



AGENDA

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025 at 7:00 PM

Jeffrey S. Braiman Council Chambers, Village Hall
50 Raupp Blvd, Buffalo Grove, IL 60089

1. Call to Order

- a. Pledge of Allegiance
- b. Roll Call

2. Approval of Minutes

- a. Draft Minutes of the January 6, 2025 Village Board Regular Meeting

3. Approval of Warrant

- a. Approval of Warrant #1377 (Trustee Bocek, Chris Black)

4. Village President's Report

5. Village Manager's Report

- a. Oath of Office and Badge Presentation to new Police Officer Christian Reyes (Trustee Cesario, Brian Budds)

6. Special Business

7. Reports from Trustees

8. Consent Agenda

All items listed on the Consent Agenda, which are available in this room this evening, are considered to be routine by the Village Board and will be enacted by one motion. There will be no separate discussion of these items unless a Board member or citizen so requests, in which event, the item will be removed from the General Order of Business and considered after all other items of business on the Regular Agenda under New Business.

- a. Proclamation for International Holocaust Day (President Smith, Christopher Stilling)
- b. O-2025-10 Ordinance Authorizing the Granting of an Easement to Lake County Public Works at 851 Krause Drive (Trustee Stein, Kyle Johnson)
- c. O-2025-11 Ordinance Authorizing the Granting of an Easement to Commonwealth Edison at 851 Krause Drive (Trustee Stein, Kyle Johnson)
- d. O-2025-12 Ordinance Authorizing an Amendment to the Master Traffic Signal Agreements with the Lake County Division of Transportation (Trustee Stein, Kyle Johnson)

- e. R-2025-9 Resolution expressing official intent regarding certain capital expenditures to be reimbursed from proceeds of one or more obligations to be issued by the Village of Buffalo Grove, Lake and Cook Counties, Illinois. (Trustee Bocek, Chris Black)
- f. O-2025-13 Ordinance Authorizing the Purchase of One Department of Public Works Fleet Vehicle from Currie Motors (Trustee Bocek, James Warnstedt)
- g. O-2025-14 Ordinance Authorizing the Purchase of 3 Police Department Fleet Vehicles from Currie Motors (Trustee Bocek, James Warnstedt)
- h. O-2025-15 Ordinance Approving a Letter of Agreement Between the Village of Buffalo Grove and the Metropolitan Alliance of Police (MAP), Buffalo Grove Police Patrol Officer Chapter #672 (Trustee Ottenheimer, Kathryn Golbach)
- i. R-2025-10 Resolution Approving the Revised 2025 Pay Ranges for the Village of Buffalo Grove Employees (Trustee Ottenheimer, Kathryn Golbach)
- j. O-2025-16 Ordinance Approving an Amendment to an Intergovernmental Agreement with Vernon Township (Trustee Stein, Kyle Johnson)

9. Ordinances and Resolutions

- a. O-2025-17 Ordinance Authorizing a Contract with Builders Paving for the 2025 Street Resurfacing Project (Trustee Stein, Kyle Johnson)
- b. O-2025-18 Ordinance Authorizing a Contract with Bolder Contractors for the 2025 Mill Creek Street & Utility Project (Trustee Stein, Kyle Johnson)
- c. O-2025-19 Ordinance Authorizing a Contract with Berger Contracting for the 2025 Northwood Street & Utility Improvement Project (Trustee Stein, Kyle Johnson)
- d. O-2025-20 Ordinance Approving a Post-Award Intergovernmental Agreement with the Lake County Stormwater Management Commission Relating to a \$5,500,000.00 Grant for Capital Improvements to Northwood Subdivision and Horatio Gardens (Trustee Stein, Kyle Johnson)

10. Unfinished Business

11. New Business

12. Public Comment

Public Comment is limited to items that are not on the regular agenda. In accordance with Section 2.02.070 of the Municipal Code, discussion on questions from the audience will be limited to 5 minutes and should be limited to concerns or comments regarding issues that are relevant to Village Board business. All members of the public addressing the Village Board shall maintain proper decorum and refrain from making disrespectful remarks or comments relating to individuals. Speakers shall use every attempt to not be repetitive of points that have been made by others. The Village Board may refer any matter of public comment to the Village Manager, Village staff or an appropriate agency for review.

13. Executive Session

14. Adjournment

*The Village Board will make every effort to accommodate all items on the agenda by 10:30 p.m.
The Board does, however, reserve the right to defer consideration of matters to another meeting should the discussion run past 10:30 p.m.*

The Village of Buffalo Grove, in compliance with the Americans with Disabilities Act, requests that persons with disabilities who require certain accommodations to allow them to observe and/or participate in this meeting or have questions about the accessibility of the meeting or facilities, contact the ADA Coordinator at 847-459-2500 to allow the Village to make reasonable accommodations for those persons.





AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 2.a.

Draft Minutes of the January 6, 2025 Village Board Regular Meeting

Contacts

Liaison: Clerk Sirabian

Staff: Samina Shaikh

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve the minutes of the January 6, 2025 Village Board Regular Meeting.

Summary

N/A

Strategic Alignment

Guiding Principle

Principle 2: Outstanding Village Services

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

1. Draft Minutes - 01/06/2025 Regular Meeting



**MINUTES OF THE REGULAR MEETING OF THE VILLAGE PRESIDENT & BOARD OF
TRUSTEES OF THE VILLAGE OF BUFFALO GROVE HELD IN THE JEFFREY S. BRAIMAN
COUNCIL CHAMBERS, 50 RAUPP BOULEVARD, BUFFALO GROVE, ILLINOIS
MONDAY, JANUARY 6, 2025**

CALL TO ORDER

President Smith called the meeting to order at 7:00 P.M. Those present stood and pledged allegiance to the Flag.

ROLL CALL

Roll call indicated the following present: President Smith; Trustees Johnson, Cesario, Stein, Bocek, and Weidenfeld. Trustee Ottenheimer was absent.

Also present were: Dane Bragg, Village Manager; Patrick Brankin, Village Attorney; Chris Stilling, Deputy Village Manager; Mike Skibbe, Deputy Village Manager/Director of Public Works; Jim Warnstedt, Deputy Director of Public Works; Kyle Johnson, Deputy Public Works Director/Village Engineer; Tom Wisniewski, Buyer; Katie Golbach, Director of Human Resources; Tyler Grace, Assistant Village Manager/Administrative Services; Nicole Woods, Director of Community Development; Chris Black, Director of Finance; Molly Gillespie, Communications Director; Fire Chief Kane; and Police Chief Budds.

APPROVAL OF MINUTES

Moved by Weidenfeld, seconded by Johnson, to approve the minutes of the December 2, 2024, Regular Meeting. Upon roll call, Trustees voted as follows:

AYES: 5 – Johnson, Cesario, Stein, Bocek, Weidenfeld
NAYS: 0 – None
ABSENT: 1 – Ottenheimer
Motion declared carried.

WARRANT #1376

Mr. Black read Warrant #1376. Moved by Bocek, seconded by Johnson, to approve Warrant #1376 in the amount of \$7,030,450.58 authorizing payment of bills listed. Upon roll call, Trustees voted as follows:

AYES: 5 – Johnson, Cesario, Stein, Bocek, Weidenfeld
NAYS: 0 – None
ABSENT: 1 – Ottenheimer
Motion declared carried.

VILLAGE PRESIDENT'S REPORT

President Smith congratulated Buffalo Grove High School Principal Jeff Wardle on being named the **North Cook Region High School Principal of the Year** by the Illinois Principals Association. This award highlights Principal Wardle's accomplishments at the local level and positions him as a contender for the state-level recognition.

VILLAGE MANAGER'S REPORT

There is no Village Manager's Report tonight.

TRUSTEE REPORTS

There are no Trustee Reports tonight.

CONSENT AGENDA

President Smith explained the Consent Agenda, stating that any member of the audience or the Board could request that an item be removed for full discussion; there were no such requests. The Village Clerk read a brief synopsis of each of the items on the Consent Agenda.

Ordinance No. 2025-1 - Link Crossing Phase 3

Motion to pass Ordinance No. 2025-1 authorizing Certificate of Initial Acceptance for Link Crossing Phase 3.

Ordinance No. 2025-2 -Aptakisic Junior High School

Motion to pass Ordinance No. 2025-2 authorizing a Development Improvement Agreement with D102 for Aptakisic Junior High School.

Ordinance No. 2025-3 - Mike Rylko Park

Motion to pass Ordinance No. 2025-3 authorizing a Development Improvement Agreement with the Buffalo Grove Park District for the Pump Track at Mike Rylko Park.

Resolution No. 2025-1- IDOT Bi-Annual Permit

Motion to pass Resolution No. 2025-1- IDOT Bi-Annual Permit.

Ordinance No. 2025-4 - Christopher B. Burke Engineering

Motion to pass Ordinance No. 2025-4 authorizing an Amendment to a General Engineering Services Agreement with Christopher B. Burke Engineering Ltd.

Resolution No. 2025-2 – IDOT

Motion to pass Resolution No. 2025-2 authorizing a MFT Fund Utilization with IDOT.

Ordinance No. 2025-5 - Christopher B. Burke Engineering

Motion to pass Ordinance No. 2025-5 authorizing an amendment to a Development Engineering Services Agreement with Christopher B. Burke Engineering Ltd.

Resolution No. 2025-3 - IDOT – Aptakisic Road

Motion to pass Resolution No. 2025-3 authorizing a Rebuild Illinois Funds (RBI) Utilization with IDOT – Aptakisic Road.

Resolution No. 2025-4 - IDOT – Arlington Heights Road

Motion to pass Resolution No. 2025-4 authorizing a Rebuild Illinois Funds (RBI) Utilization with IDOT – Arlington Heights Road.

Resolution No. 2025-5 - IDOT – Buffalo Grove Road

Motion to pass Resolution No. 2025-5 authorizing a Rebuild Illinois Funds (RBI) Utilization with IDOT – Buffalo Grove Road.

Resolution No. 2025-6 – IDOT – Lake Cook Road

Motion to pass Resolution No. 2025-6 authorizing a Rebuild Illinois Funds (RBI) Utilization with IDOT – Lake Cook Road.

Resolution No. 2025-7 - IDOT – Weiland Road

Motion to pass Resolution No. 2025-7 authorizing a Rebuild Illinois Funds (RBI) Utilization with IDOT – Weiland Road.

Moved by Johnson, seconded by Bocek, to approve the Consent Agenda as presented. Upon roll call, Trustees voted as follows:

AYES: 5 – Johnson, Cesario, Stein, Bocek, Weidenfeld
NAYS: 0 – None
ABSENT: 1 – Ottenheimer
Motion declared carried.

ORDINANCE NO. 2025-6 – ADVANCED TREE CARE

Moved by Bocek, seconded by Weidenfeld, to pass Ordinance No. 2025-6 authorizing the purchase of Tree Trimming, Tree Removal and Stump Removal Services from Advanced Tree Care in an amount not to exceed \$269,849.70 per year.

Mr. Warnstedt reviewed the proposed ordinance, details of which are contained in the Agenda Item Summary that he prepared.

Upon roll call, Trustees voted as follows:

AYES: 5 – Johnson, Cesario, Stein, Bocek, Weidenfeld
NAYS: 0 – None
ABSENT: 1 – Ottenheimer
Motion declared carried.

ORDINANCE NO. 2025-7 – SEWER TELEVISIONING

Moved by Stein, seconded by Cesario, to pass Ordinance No. 2025-7 approving an ordinance authorizing the execution of a contract with National Power Rodding Corporation for the 2025 Sewer Televisioning Project in an amount not to exceed \$129,695.28, which includes a 10% Village-controlled contingency, in accordance with materials contained in Board packets and pending final review and approval by the Village Attorney

Mr. Johnson reviewed the proposed ordinance, details of which are contained in the Agenda Item Summary that he prepared.

Upon roll call, Trustees voted as follows:

AYES: 5 – Johnson, Cesario, Stein, Bocek, Weidenfeld
NAYS: 0 – None
ABSENT: 1 – Ottenheimer
Motion declared carried.

ORDINANCE NO. 2025-8 – SEWER LINING

Moved by Stein, seconded by Johnson, to pass Ordinance No. 2025-8 approving an ordinance authorizing the execution of a contract with Visu-Sewer for the 2025 Sewer Lining Project in an amount not to exceed \$186,030.13, which includes a 10% Village-controlled contingency, in accordance with materials contained in Board packets and pending final review and approval by the Village Attorney

Mr. Johnson reviewed the proposed ordinance, details of which are contained in the Agenda Item Summary that he prepared, after which he answered questions from the Board.

Upon roll call, Trustees voted as follows:

AYES: 5 – Johnson, Cesario, Stein, Bocek, Weidenfeld
NAYS: 0 – None
ABSENT: 1 – Ottenheimer
Motion declared carried.

ORDINANCE NO. 2025-9 – CHECKER DRIVE PHASE I

Moved by Stein, seconded by Cesario, to pass Ordinance No. 2025-9 approving an ordinance authorizing the execution of an Engineering Services Agreement with Civiltech Engineering, Inc. for a Checker Drive Phase I Engineering Study in an amount not to exceed \$525,119.00, in accordance with materials contained in Board packets and pending final review and approval by the Village Attorney

Mr. Johnson reviewed the proposed ordinance, details of which are contained in the Agenda Item Summary that he prepared, after which he answered questions from the Board.

Upon roll call, Trustees voted as follows:

AYES: 5 – Johnson, Cesario, Stein, Bocek, Weidenfeld
NAYS: 0 – None
ABSENT: 1 – Ottenheimer
Motion declared carried.

RESOLUTION NO. 2025-8 – 1650 LEIDER LANE

Moved by Johnson, seconded by Weidenfeld, to pass Resolution No. 2025-8 authorizing the Village Manager to execute a Use Agreement and License with Aptakisic-Tripp School District 102 for the Village-owned property at 1650 Leider Lane, subject to final review and approval by the Village Attorney.

Mr. Stilling reviewed the proposed resolution, details of which are contained in his memo to Mr. Bragg dated January 2, 2025, after which he answered questions from the Board.

Board members commented that this agreement is a great arrangement for the Village, for School District 102 and for our residents and is what was anticipated when the building was purchased. This is a perfect example of how separate entities can benefit themselves and their residents when working together.

Mr. Bragg also recognized and thanked District 102 representatives for their support and their relationship with the Village.

Upon roll call, Trustees voted as follows:

AYES: 5 – Johnson, Cesario, Stein, Bocek, Weidenfeld
NAYS: 0 – None
ABSENT: 1 – Ottenheimer
Motion declared carried.

PUBLIC COMMENT

President Smith reviewed the parameters to be followed by speakers and asked if there were any questions from the audience on items not on tonight's agenda; there were no such questions.

ADJOURNMENT

Moved by Cesario, seconded by Johnson, to adjourn the meeting. Upon roll call, Trustees voted as follows:

AYES: 5 – Johnson, Cesario, Stein, Bocek, Weidenfeld

NAYS: 0 – None

ABSENT: 1 – Ottenheimer

Motion declared carried.

The meeting was adjourned at 7:27 P.M.

Janet M. Sirabian, Village Clerk

APPROVED BY ME THIS 21st DAY OF January 2025

Village President



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 3.a.

Approval of Warrant #1377

Contacts

Liaison: Trustee Bocek

Staff: Chris Black

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve Approval of Warrant #1377 in the amount of \$2,493,098.73

Summary

Warrant #1377 in the amount of \$2,493,206.98

Strategic Alignment

Guiding Principle

N/A

Goal

N/A

File Attachments

1. Summary Warrant 1377



VILLAGE OF BUFFALO GROVE WARRANT #1377
21-Jan-25

General Fund:	138,425.46
Parking Lot Fund:	6,573.34
Motor Fuel Tax Fund:	0.00
Debt Service Fund:	0.00
School & Park Donations:	0.00
Lake Cook Rd TIF Fund:	0.00
Capital Projects-Facilities:	510,732.69
Capital Projects-Vehicles/Equipment:	25,116.61
Capital Projects-Streets:	25,723.16
Retiree Health Savings (RHS):	0.00
Water Fund:	166,364.27
Buffalo Grove Golf Fund:	490.63
Arboretum Golf Fund:	114.00
Refuse Service Fund:	57,918.00
Information Technology Internal Service Fund:	208,455.14
Central Garage Internal Service Fund:	35,742.00
Building Maintenance Internal Service Fund:	68,236.45
	<u>1,243,891.75</u>
PAYROLL PERIOD ENDING 1/12/2025	1,249,206.98

TOTAL WARRANT #1377	<u><u>2,493,098.73</u></u>
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APPROVED FOR PAYMENT BY THE PRESIDENT AND BOARD OF TRUSTEES OF
THE VILLAGE OF BUFFALO GROVE, ILLINOIS

Village Clerk

Village President



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 5.a.

Oath of Office and Badge Presentation to new Police Officer Christian Reyes

Contacts

Liaison: Trustee Cesario

Staff: Brian Budds

Staff Recommendation

Staff recommends approval.

Recommended Motion

N/A

Summary

Officer Christian Reyes will receive his Oath of Office and will be presented with his badge.

Strategic Alignment

Guiding Principle

Principle 2: Outstanding Village Services

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

None



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 8.a.

Proclamation for International Holocaust Day

Contacts

Liaison: President Smith

Staff: Christopher Stilling

Staff Recommendation

Staff recommends proclamation.

Recommended Motion

N/A

Summary

Proclamation for International Holocaust Day on January 27, 2025

Strategic Alignment

Guiding Principle

Principle 6: Engages Our Residents

Goal

Goal 3: Strengthened Buffalo Grove community identity and pride

File Attachments

1. Holocaust Remembrance Day Proclamation 2025



BUFFALO GROVE

PROCLAMATION

INTERNATIONAL HOLOCAUST REMEMBRANCE DAY

WHEREAS, in 2005, the United Nations General Assembly designated January 27—the anniversary of the liberation of Auschwitz-Birkenau—as **International Holocaust Remembrance Day**, a time to remember the six million Jewish victims of the Holocaust and the millions of other victims of Nazi persecution.

WHEREAS, when we are witnessing an alarming rise of antisemitism around the globe, it is more important than ever for us to recognize the critical lessons of Holocaust history as we commemorate the victims and honor the survivors.

WHEREAS, the Holocaust stands as a harrowing reminder of what happens when hatred, dehumanization, and apathy prevail. Remembering the Holocaust safeguards the voices and memories of survivors—their vibrant communities, cherished traditions, hopes, dreams and their loved ones who did not survive.

WHEREAS, preserving this history not only honors the dignity of those whom the Nazis and their collaborators sought to destroy, but also serves as a powerful victory against hatred, Holocaust distortion and denial. By remembering, we confront those who seek to perpetuate the legacy of hatred into the 21st century.

WHEREAS, we encourage the residents of Buffalo Grove to come together to remember Holocaust victims by reading their names, by lighting candles and by learning about the Holocaust. All of us can mark International Holocaust Remembrance Day by sharing the truth of the Holocaust and by confronting antisemitism and hate in our daily lives.

NOW THEREFORE, I, Eric Smith, Village President of the Village of Buffalo Grove, do hereby proclaim **January 27, 2025** as **Holocaust Remembrance Day** in the Village of Buffalo Grove.

Proclaimed this 21st day of January, 2025.

Eric N. Smith
Village President



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 8.b. O-2025-10

Ordinance Authorizing the Granting of an Easement to Lake County Public Works at 851 Krause Drive

Contacts

Liaison: Trustee Stein

Staff: Kyle Johnson

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve an Ordinance authorizing the the granting of an Easement to Lake County Public Works at 851 Krause Drive, pending final review by the Village Attorney.

Summary

Background

In conjunction with the Sale of Water Agreement with Lake County Public Works (LCPW) for the Pekera Area agreed to in 2022, staff has been working to design and facilitate the project with LCPW's team. The point of connection between the two systems is approximately 300' south of Deerfield Road along Krause Drive within the Village's parcel at 851 Krause Drive, commonly known as the Combined Area Training Facility (CAFT). This point was chosen for connection as it could adequately hold the large vault that houses the connection components while also being easily accessible to both parties. However, given it is not at the property line approximately 100' of easement is needed for the Lake County Public Works water main. Lake County is responsible for the operation and maintenance south of the point of connection. The attached easement agreement and plat of easement are what Lake County requires for the recording of such an easement.

Strategic Alignment

Guiding Principle

Principle 5: Partnership with Local Districts

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

1. Draft Ordinance - LCPW Easement
2. Easement Agreement LCPW 05-13-2024
3. Plat of Easement LCPW 1-8-2025





ORDINANCE 2025-xxx

AN ORDINANCE AUTHORIZING AN EASEMENT
WITH LAKE COUNTY PUBLIC WORKS FOR
WATERMAIN AT 851 KRAUSE DRIVE

WHEREAS the Village of Buffalo Grove is a home rule unit pursuant to the Illinois Constitution of 1970; and

WHEREAS the Village seeks to authorize an easement with Lake County Public Works for watermain at 851 Krause Drive,

NOW THEREFORE BE IT ORDAINED by the President and Board of Trustees of the Village of Buffalo Grove, Cook and Lake Counties, Illinois, as follows:

SECTION 1. The foregoing recitals are hereby adopted and incorporated and made a part of this Ordinance as if fully set forth herein.

SECTION 2. The Village President is authorized to execute an easement agreement and associated documents with Lake County Public Works for an easement at 851 Krause Drive for watermain, pending attorney review.

SECTION 3. If any section, paragraph, clause or provision of this Ordinance shall be held invalid, the invalidity thereof shall not affect any other provision of this Ordinance.

SECTION 4. This Ordinance shall be in full force and effect from and after its passage and approval and shall not be codified.

AYES: _____
NAYES: _____
ABSENT: _____
PASSED: _____, 2025
APPROVED: _____, 2025
PUBLISHED: _____, 2025

ATTEST:

APPROVED:

Janet M. Sirabian, Village Clerk

Eric N. Smith, Village President

**WATERMAIN EASEMENT
PIN 15-34-205-001**

Prepared by and after recording return to:
Lake County Department of Public Works
650 W. Winchester Road
Libertyville IL 60048

Owner: Village of Buffalo Grove
County: Lake
Project: PW 2019.023
PIN: 15-34-205-001

PERMANENT EASEMENT (WATERMAIN)

Village of Buffalo Grove (Grantor), for an in consideration of Ten Dollars (\$10.00), receipt of which is hereby acknowledged, grants, reserves and conveys to the County of Lake, Department of Public Works (Grantee), its respective successors and assigns, jointly and severally, a permanent and perpetual, non-exclusive easement to install, renew, extend, operate, survey, maintain, repair, replace, and remove from time to time, facilities used in connection with the underground transmission, distribution, and/or collection of water. This easement shall extend in, under, across, along and upon the surface of the following described real estate and as labeled watermain easement on the Plat of Easement exhibit.

See attached Plat of Easement exhibit
Address: Krause Drive, Buffalo Grove IL 60089

Situated in the County of Lake, State of Illinois. The above-described real estate and improvements located thereon are herein referred to as the "premises".

This easement shall grant the right of unobstructed access for ingress and egress to the watermain easement area described herein, the right to excavate, the right to bore or drill, the right to cut, trim or remove landscaping, trees, bushes and roots as may be reasonably required incident to the right herein given, the right to have above grade facilities as reasonably required, and the right to enter upon the property for all these purposes.

No permanent structures, other obstructions or other utilities shall be placed over Grantee's facilities or in, upon or over the easement without written consent of Grantee.

The location of the facilities by Grantee shall not conflict or interfere with other previously installed public improvements and any conflicts in subsequent use shall be subject to formal resolution and approval by Grantee.

In the event the Grantee enters upon the watermain easement for purposes herein stated, said Grantee shall be responsible only for restoring the grade of the property, any removed pavements and re-establishing grass in affected grassy areas.

PLAT OF EASEMENT

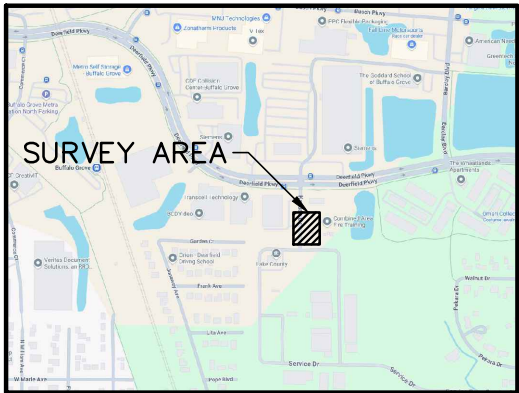
FOR WATERMAIN PURPOSES OF

PART OF BUFFALO GROVE CONSOLIDATION OF LOTS 11 THROUGH 18 RECORDED DECEMBER 20, 2024 AS DOCUMENT 8073704 IN COVINGTON CORPORATE CENTER UNIT 1, BEING A SUBDIVISION IN THE SOUTH HALF OF SECTION 27 AND THE NORTH HALF OF SECTION 34, TOWNSHIP 43 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JUNE 24, 1987 AS DOCUMENT 2582920, IN LAKE COUNTY, ILLINOIS, DESCRIBED AS FOLLOWS:

THE WEST 25.00 FEET OF THE SOUTH 85.00 FEET OF SAID LOT 18, IN LAKE COUNTY, ILLINOIS SAID PARCEL CONTAINING 2121 SQ.FT. / 0.048 ACRES, MORE OR LESS.

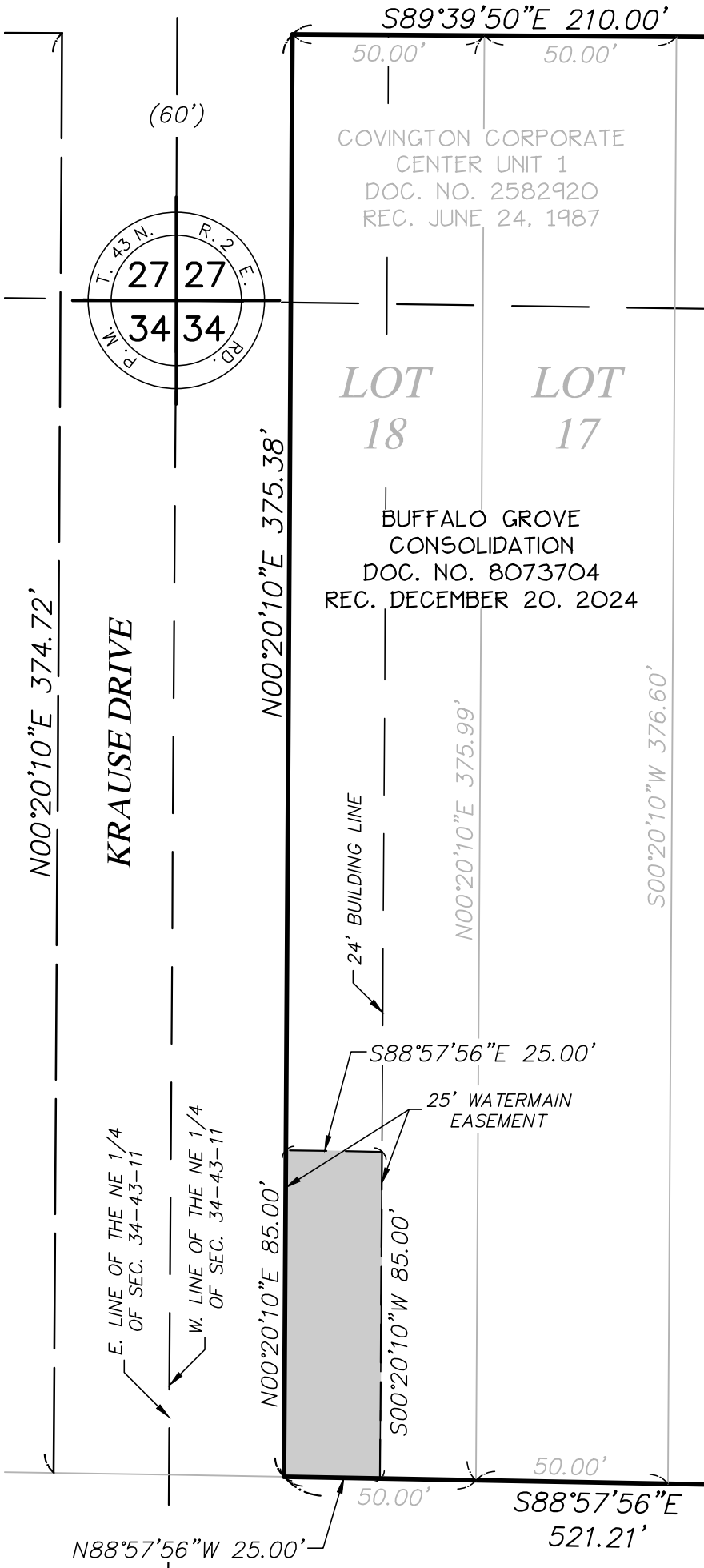
DEERFIELD PKWY

LOCATION MAP

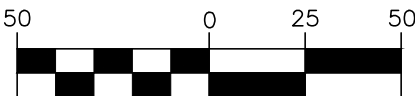


ABBREVIATIONS

N NORTH
S SOUTH
E EAST
W WEST
100.00 N00°00'00"E MEASURED DATUM
(100.00 N00°00'00"E) RECORD DATUM



GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.

BEARINGS ARE BASED UPON THE ILLINOIS STATE PLANE COORDINATE SYSTEM OF 1983, EAST ZONE-2011 ADJUSTMENT, ADJUSTED TO GROUND VALUES ESTABLISHED BY GPS METHODS FROM THE TRIMBLE VIRTUAL REFERENCE NETWORK.

SURVEY PREPARED FOR:

LAKE COUNTY PUBLIC WORKS
650 W. WINCHESTER ROAD
LIBERTYVILLE, IL 60048

SURVEYOR'S NOTES

- DISTANCES ARE MARKED IN FEET AND DECIMAL PARTS THEREOF. DO NOT SCALE DIMENSION FROM THIS PLAT
- A TITLE COMMITMENT WAS NOT PROVIDED FOR SURVEYORS USE.
- CONTACT J.U.L.I.E. BEFORE DIGGING. J.U.L.I.E. MAY BE REACHED AT 811.
- REFER TO EASEMENT AGREEMENT FOR FURTHER DETAILS

STATE OF ILLINOIS) SS.
COUNTY OF LAKE)

WE GEWALT HAMILTON ASSOCIATES, INC. DO HEREBY CERTIFY THAT WE HAVE PREPARED THIS PLAT OF EASEMENT, AND THAT IT IS A TRUE AND CORRECT REPRESENTATION OF SAID EASEMENT. ALL DISTANCES SHOWN HEREON ARE IN FEET AND DECIMAL PARTS THEREOF.

DATED THIS 8TH DAY OF JANUARY, 2025 AD.

GEWALT HAMILTON ASSOCIATES, INC.
PROFESSIONAL DESIGN FIRM LICENSE NO. 184-000922

MARK M. HAMILTON
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 4038
MY LICENSE EXPIRES NOVEMBER 30, 2026



GHA GEWALT HAMILTON ASSOCIATES, INC.

625 Forest Edge Drive ■ Vernon Hills, IL. 60061
Tel.: 847.478.9700 ■ Fax.: 847.478.9701

FILE: 5600.350-PLD.dwg

DRAWN BY:	MAG	GHA PROJECT #
DATE:	042624	5600.350
CHECKED BY:	MMH	SCALE 1"=50'



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 8.c. O-2025-11

Ordinance Authorizing the Granting of an Easement to Commonwealth Edison at 851 Krause Drive

Contacts

Liaison: Trustee Stein

Staff: Kyle Johnson

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve an Ordinance authorizing the the granting of an Easement to Commonwealth Edison at 851 Krause Drive, pending final review by the Village Attorney.

Summary

Background

In conjunction with the Sale of Water Agreement with Lake County Public Works (LCPW) for the Pekera Area agreed to in 2022, staff has been working to design and facilitate the project with LCPW's team. At the point of connection between the two systems is a series of components that regulate and monitor the flow of water. This equipment requires a point source of electricity from Commonwealth Edison (ComEd) through a new service connection. The electrical feed starts near Deerfield Road and runs underground to the point of connection. This supplemental line requires an easement for ComEd to own and operate the line from the service drop (power pole) to the transformer (ground mounted system). The Grant of Easement included in this item is all that Lake County requires for recording that easement.

Strategic Alignment

Guiding Principle

Principle 5: Partnership with Local Districts

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

1. Draft Ordinance - ComEd Easement
2. Grant of Easement ComEd 1-7-25





ORDINANCE 2025-xxx

AN ORDINANCE AUTHORIZING AN EASEMENT WITH COMMONWEALTH EDISON COMPANY FOR AN ELECTRICAL SERVICE AT 851 KRAUSE DRIVE

WHEREAS the Village of Buffalo Grove is a home rule unit pursuant to the Illinois Constitution of 1970; and

WHEREAS the Village seeks to authorize an easement with Commonwealth Edison Company for an electrical service at 851 Krause Drive,

NOW THEREFORE BE IT ORDAINED by the President and Board of Trustees of the Village of Buffalo Grove, Cook and Lake Counties, Illinois, as follows:

SECTION 1. The foregoing recitals are hereby adopted and incorporated and made a part of this Ordinance as if fully set forth herein.

SECTION 2. The Village President is authorized to execute an easement agreement and associated documents with Commonwealth Edison Company for an easement at 851 Krause Drive for an electrical service, pending attorney review.

SECTION 3. If any section, paragraph, clause or provision of this Ordinance shall be held invalid, the invalidity thereof shall not affect any other provision of this Ordinance.

SECTION 4. This Ordinance shall be in full force and effect from and after its passage and approval and shall not be codified.

AYES: _____
NAYES: _____
ABSENT: _____
PASSED: _____, 2025
APPROVED: _____, 2025
PUBLISHED: _____, 2025

ATTEST:

APPROVED:

Janet M. Sirabian, Village Clerk

Eric N. Smith, Village President

GRANT OF NON-EXCLUSIVE EASEMENT

VILLAGE OF BUFFALO GROVE ("Grantor")

in consideration of the sum of One Dollar and other valuable consideration, receipt of which is hereby acknowledged, hereby grant(s) and conveys to **COMMONWEALTH EDISON COMPANY**, an Illinois Corporation, (together with its licensees, successors and assigns, collectively, "Grantee"), a non-exclusive easement to construct, operate, repair, maintain, modify, reconstruct, replace, supplement, relocate and

remove, from time to time, poles, guys, anchors, wires, cables, fiber, conduits, manholes, transformers, pedestals, splice boxes, or other facilities used in connection with overhead and underground transmission and distribution of electricity, communications, sounds and signals (collectively, the "Facilities"), together with right of access to the same and the right, from time to time, to trim or remove trees, bushes, roots and saplings and to clear obstructions from the surface and subsurface as may be reasonably required incident to the grant herein given, in, over, under, across, along and upon the surface of property situated in Section 27 & 34, Township 43 North, Range 11, East of the Third Principal Meridian in LAKE County, Illinois (the "Property"), further described below:

A NON-EXCLUSIVE EASEMENT AS DEPICTED ON THE EXHIBIT "A" ATTACHED HERETO AND MADE APART HEREOF THE PROPERTY OF THE GRANTOR LEGALLY DESCRIBED AS FOLLOWS:

LOTS 11 THROUGH 18, BOTH INCLUSIVE, IN COVINGTON CORPORATE CENTER UNIT 1, BEING A SUBDIVISION IN THE SOUTH 1/2 OF SECTION 27 AND THE NORTH 1/2 OF SECTION 34, TOWNSHIP 43 NORTH, RANGE 11, EAST OF THE THIRD PRINCIPAL MERIDIAN, ACCORDING TO THE PLAT THEREOF RECORDED JUNE 24, 1987 AS DOCUMENT 2582920, IN LAKE COUNTY, ILLINOIS.

**PROPERTY ADDRESS: 0 DEERFIELD PKWY, BUFFALO GROVE, IL 60089
P.I.N.: 15-34-205-001**

Obstructions shall not be placed over the Facilities or in, upon or over the Easement Area without prior written consent of Grantee. After installation of any Facilities, the grade of the Property shall not be altered in a manner so as to interfere with the operation and maintenance thereof.

After Recording Please Return To:

This instrument prepared by Katie Bengson, 3 Lincoln Center, 4th Floor, Oakbrook Terrace, Illinois 60181, on behalf of Commonwealth Edison Company.

The Grantor represents and warrants to the Grantees that Grantor is the true and lawful owner of the Property and has full right and power to grant and convey the rights conveyed herein.

The non-exclusive Easement is binding upon and shall inure to the benefits of the heirs, successors, assigns, and licensees of the parties hereto.

For Corporate or Trust Signature

IN WITNESS WHEREOF, the Grantor _____ has caused this instrument to be executed on its behalf and its corporate seal to be affixed hereto this _____ day of _____, 2025.

By: _____ (_____ President) (Trust Officer)
_____ (_____ President) (Trust Officer)

ATTEST: _____

TITLE: _____

Notary Public to complete the following:

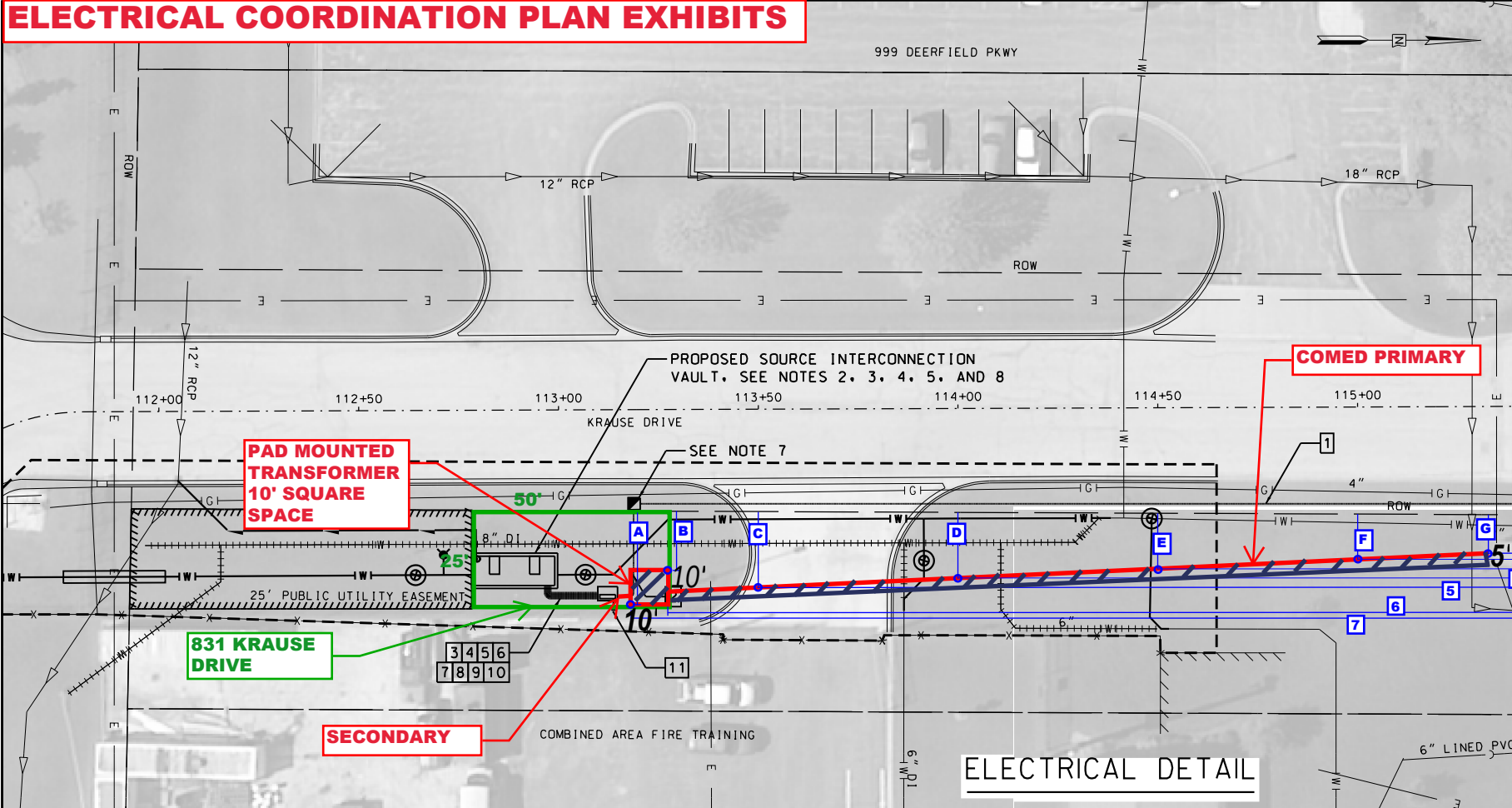
State Of _____
County Of _____

I, _____ the undersigned, a Notary Public in and for the said County and State aforesaid, do hereby certify that _____, (_____ President) (Trust Officer) of the _____, and _____, _____ Secretary of said corporation, personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and acknowledged that they signed and delivered said instrument as their own free and voluntary act and as the free and voluntary act of said corporation for the uses and purposes therein set forth; and the said _____ Secretary then and there acknowledged that he/she, as custodian of the seal of said corporation, did affix the seal to the foregoing instrument as his/her free and voluntary act and the free and voluntary act of said corporation, for the uses and purposes therein set forth.

GIVEN under my hand and NOTARIAL SEAL this _____ day of _____, 2025.

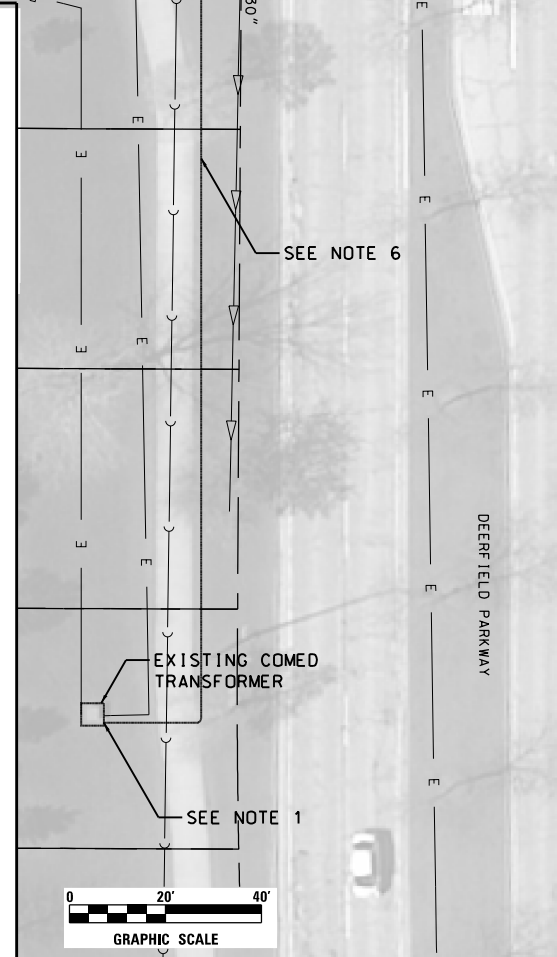
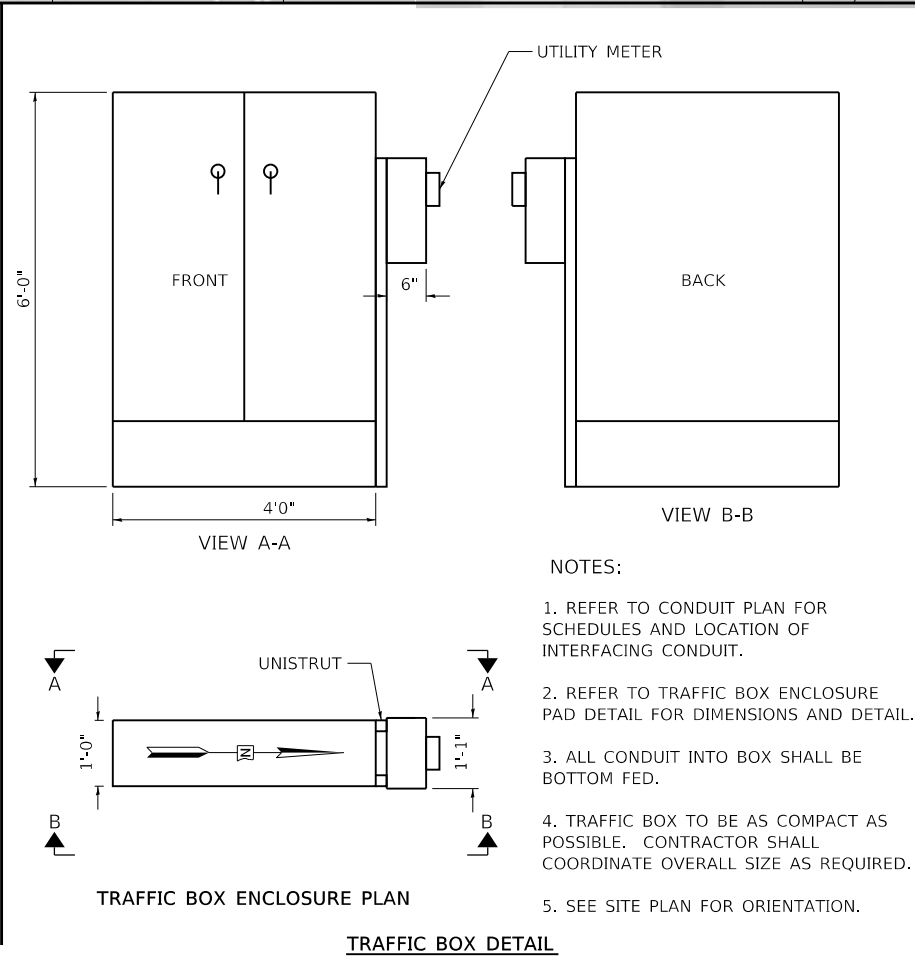
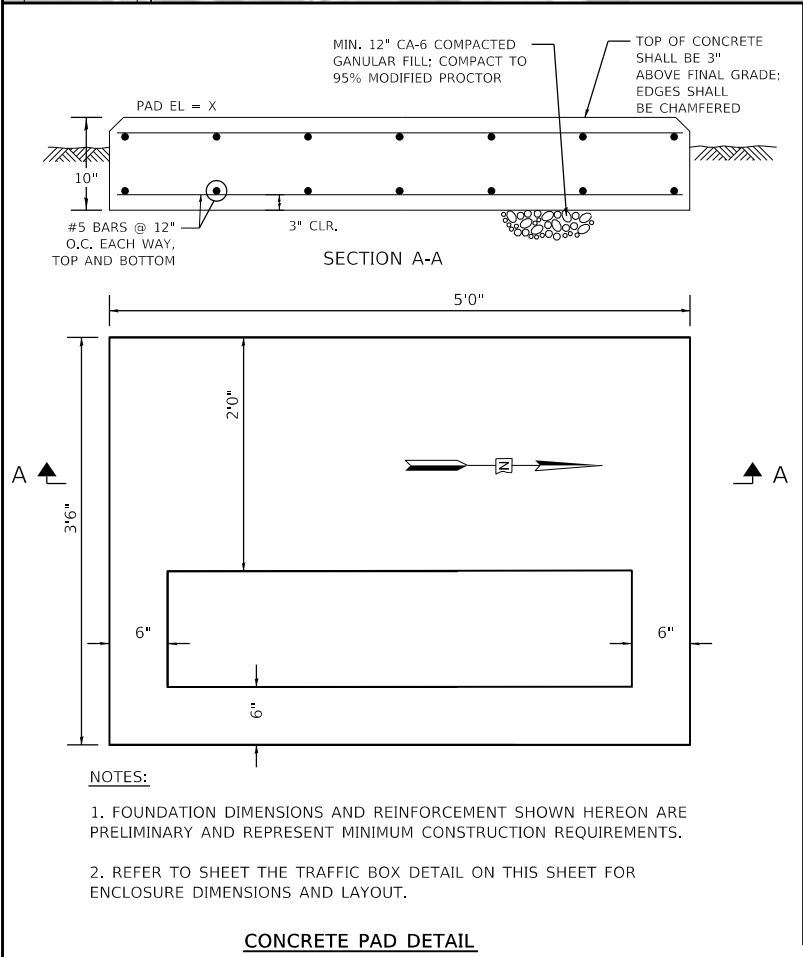
Notary Public

ELECTRICAL COORDINATION PLAN EXHIBITS



TAG	FROM	TO	CONDUIT			POWER (P) CONTROLS (C)	CABLE
			QTY	SIZE	MATL.		
1	COMED TRANSFORMER	METER	1	2-1/2"	RGS	P	3/C #2/0
2	METER	CONTROL PANEL	1	2-1/2"	RGS	P	3/C #2/0
3	CONTROL PANEL	HEATER	1	1"	RGS	P	1/C #10, 1/C #10 NEUTRAL & 1/C #10 GND
4	CONTROL PANEL	RECEPTACLE / SUMP PUMP	1	1"	RGS	P	1/C #10, 1/C #10 NEUTRAL & 1/C #10 GND
5	CONTROL PANEL	LIGHT	1	1"	RGS	P	1/C #10, 1/C #10 NEUTRAL & 1/C #10 GND
6	CONTROL PANEL	INLET PRESSURE TRANSMITTER	1	1"	RGS	P / C	CABLE PER MANUFACTURER
7	CONTROL PANEL	OUTLET PRESSURE TRANSMITTER	1	1"	RGS	P / C	CABLE PER MANUFACTURER
8	CONTROL PANEL	FLOW METER	1	1"	RGS	P	CABLE PER MANUFACTURER
9	CONTROL PANEL	FLOW METER	1	1"	RGS	C	CABLE PER MANUFACTURER
10	CONTROL PANEL	FLOOD SWITCH	1	1"	RGS	C	CABLE PER MANUFACTURER
11	PUMP PANEL	SITE GROUND ELECTRODE SYSTEM	1	1"	PVC	P	1/C #6 INSULATED GROUND

DIMENSION FROM NORTH PROPERTY LINE	
1:	35.7'
2:	68.4'
3:	118.4'
4:	168.4'
5:	218.4'
6:	240.6'
7:	750.6'
DIMENSION FROM WEST PROPERTY LINE	
A:	24.8'
B:	14.8'
C:	19.0'
D:	16.4'
E:	14.0'
F:	11.3'
G:	9.6'



- NOTES:
- 1) THE CONTRACTOR SHALL PROVIDE AND COIL 15' OF SLACK AT THE TRANSFORMER FOR CONNECTION BY COMED PERSONNEL.
 - 2) PROVIDE A DUPLEX RECEPTACLE WITHIN THE VALVE VAULT. EACH RECEPTACLE SHALL BE ON A SEPARATE CIRCUIT. RECEPTACLES SHALL BE MOUNTED IN A BOX WITH A GASKETED AND WEATHERPROOF CAST METAL COVER PLATE AND CAP OVER EACH RECEPTACLE OPENING. CAPS SHALL BE PERMANENTLY ATTACHED TO THE COVER PLATE BY MEANS OF A SPRING HINGED CAP.
 - 3) VALVE VAULT LUMINAIRE SHALL BE A LED TYPE, CORROSION RESISTANT, EXPLOSION PROOF AND SHALL BE WALL OR CEILING MOUNTED. LUMINAIRE SHALL BE CONTROLLED BY AN EXPLOSION PROOF, WALL MOUNTED TOGGLE SWITCH.
 - 4) JUNCTION BOX SHALL BE 316 STAINLESS STEEL WATERTIGHT, 20"x16"x8", N.E.M.A. 4X.
 - 5) CONDUIT ENTRIES INTO JUNCTION BOX SHALL BE FILLED WITH DUCT PUTTY.
 - 6) SERVICE DUCT SHALL HAVE A MINIMUM OF 36" COVER.
 - 7) SUPPLY AND INSTALL HANDHOLE PER IDOT STANDARD DETAIL 801001.
 - 8) CONDUIT SHALL ENTER VAULT INTO THE JUNCTION BOX SPECIFIED IN NOTE 4. CONDUIT SHALL BE ROUTED AROUND SIDE WALLS AS MUCH AS POSSIBLE.

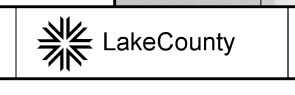
REVISIONS / REMARKS						
NO.	DESCRIPTION	DATE	BY	SURVEYOR	CLG	LAM
1	LCSMC	02/02/24	LAM	DSGMR/LIAISON	CLG	LAM
2	ISSUED FOR CONSTRUCTION	06/25/24		PLOTTED BY:	cbenton	3/5/2024

FILE NAME: N:\PROJ\0021557.02\CADD\Sh+Details\0021557.02-SIDE T02.dgn

LEGEND

COMED EASEMENT =

PEKARA-BUFFALO GROVE LAKE
MICHIGAN WATER INTERCONNECT



SOURCE INTERCONNECTION DETAILS



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 8.d. O-2025-12

Ordinance Authorizing an Amendment to the Master Traffic Signal Agreements with the Lake County Division of Transportation

Contacts

Liaison: Trustee Stein

Staff: Kyle Johnson

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve an Ordinance authorizing an amendment to the Master Traffic Signal Agreement with the Lake County Division of Transportation, pending final review by the Village Attorney.

Summary

Background

The Lake County Division of Transportation (LCDOT) is seeking the additional of a traffic signal at the intersection of Deerfield Road and Barclay Boulevard. LCDOT has been studying the intersection since 2021 and recently determined a signal was warranted based upon the existing conditions. LCDOT will be covering 100% of the design and installation costs. As a condition of this endeavor, the Lake County Department of Transportation requires an amendment to the Master Agreement relating to traffic signals on County Roads. This Amendment will add a new row on Exhibit A of the Master Agreement for the new signal on Deerfield Road. The village will not be charged for the monthly maintenance on the signal until it is built.

Additionally the Amendment also updates records for several other intersections in town. These other intersections and devices were either part of a previous project (Weiland Road for instance) where the effective date was previously a footnote as the project was planned and not constructed at the time of amendment or items that were requested for addition to the signal equipment by the Village for Village uses.

Strategic Alignment

Guiding Principle

Principle 3: Plan and Invest in the Future

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

1. Draft Ordinance - TS Amendment
2. Amendment to the Existing Traffic Signal Agreement 1.6.25
3. Master Agreement - County Owned
4. Master Agreement - Village Owned





ORDINANCE 2025-xxx

AN ORDINANCE AUTHORIZING AN AMENDMENT TO THE MASTER TRAFFIC SIGNAL AGREEMENTS WITH THE LAKE COUNTY DIVISION OF TRANSPORTATION

WHEREAS the Village of Buffalo Grove is a home rule unit pursuant to the Illinois Constitution of 1970; and

WHEREAS the Village seeks to amend the Master Traffic Signal Agreements with the Lake County Division of Transportation,

NOW THEREFORE BE IT ORDAINED by the President and Board of Trustees of the Village of Buffalo Grove, Cook and Lake Counties, Illinois, as follows:

SECTION 1. The foregoing recitals are hereby adopted and incorporated and made a part of this Ordinance as if fully set forth herein.

SECTION 2. The Village President is authorized to execute an amendment to the Master Traffic Signal Agreements with the Lake County Division of Transportation, pending attorney review.

SECTION 3. If any section, paragraph, clause or provision of this Ordinance shall be held invalid, the invalidity thereof shall not affect any other provision of this Ordinance.

SECTION 4. This Ordinance shall be in full force and effect from and after its passage and approval and shall not be codified.

AYES: _____
NAYES: _____
ABSENT: _____
PASSED: _____, 2025
APPROVED: _____, 2025
PUBLISHED: _____, 2025

ATTEST:

APPROVED:

Janet M. Sirabian, Village Clerk

Eric N. Smith, Village President

LETTER OF INTENT AND CONCURRENCE
Master Agreement County-Owned Traffic Control Devices
Amendment #3 to Exhibit A
Master Agreement Village-Owned Traffic Control Devices
Amendment #1 to Exhibit A

January 6, 2025

The Hon. Eric Smith
Village of Buffalo Grove
50 Raupp Boulevard
Buffalo Grove, IL 60089

Dear President Smith:

The County is requesting a revision to Exhibit A of the *Master Agreement between the County of Lake and the Village of Buffalo Grove for Energy Costs, Maintenance Costs and Future Costs Associated with County-Owned Traffic Control Devices (executed January 21, 2009)* and to Exhibit A of the *Master Agreement between the County of Lake and the Village of Buffalo Grove for Energy Costs, Maintenance Costs and Future Costs Associated with Village-Owned Traffic Control Devices (executed December 14, 2021)*.

The County is in the engineering design stage of a project at the intersection of Deerfield Parkway (County Highway 11) at Barclay Boulevard that will replace the existing 2-way stop with a new traffic signal (referred to as County Section # 22-00248-04-TL). The County will pay 100% of the engineering and construction costs for the project and is requesting the Village pay for its share of the maintenance, future costs and energy costs. As Barclay Boulevard is under Village jurisdiction, the County proposes that the Village be responsible for 50% of maintenance and future signal costs and for 100% of the energy costs of the signal.

Pursuant to Section II, item 7, of the above-referenced County-owned Master Agreement between the County and the Village, Exhibit A of said agreement may be amended by a Letter of Concurrence signed by the County Engineer and the Chief Elected Official on behalf of the Village. Exhibit A of said agreement is recommended to be amended to include the new traffic signal at Deerfield Parkway and Barclay Boulevard.

The Village has also requested an additional connection to the County's PASSAGE system for the Village's Emergency Operations Center in the new public works facility on Lieder Lane. The County and the Village previously entered into an *Agreement between the County of Lake and the Village of Buffalo Grove for the sharing of computer-aided dispatch (CAD) and video along various county highways, state roads, and toll roads in and about Lake County, Illinois (executed January 14, 2011)*, which sets terms and conditions for the County and Village to share video and CAD to enhance their effectiveness and efficiency. In discussions between Village and County staff, it has been determined that installing wireless communication equipment on the County owned traffic signal at Aptakisic Road and Leider Lane is the best way to accommodate the request.

The County agrees to the installation of the wireless equipment on the County owned signal in accordance with the following terms:

- The Village will purchase the required wireless communication equipment at no cost to the County.
- The County will utilize its Traffic Signal Maintenance contractor to install the wireless communication equipment on the County owned traffic signal at no cost to the Village.
- The Village shall be responsible for 100% of the future maintenance and equipment costs of the wireless communication equipment through the County's Traffic Signal Maintenance contract.

Pursuant to Section II, item 12, of the above-referenced Village-owned Master Agreement between the County and the Village, Exhibit A of said agreement may be amended by a letter of concurrence signed by the County Engineer and the Chief Elected Official on behalf of the Village. Exhibit A of said agreement is recommended to be amended to include the proposed village wireless equipment to be installed at Aptakisic Road and Leider Lane.

If agreeable to the changes summarized above, please countersign below and return and executed copy to our office for our records. If you have any questions regarding this matter, please contact Kevin Carrier, P.E., Assistant County Engineer at (847) 377-7448.

Sincerely,

Shane E. Schneider, P.E.
Director of Transportation/County Engineer

Please check the box indicating the Village's disposition in this matter.

- ☐ **CONCUR** The Village of Buffalo Grove concurs with the proposal contained herein.
- ☐ **NOT CONCUR** The Village of Buffalo Grove does not concur with the proposal contained herein.

ATTEST:

VILLAGE OF BUFFALO GROVE

Village Clerk
Village of Buffalo Grove

Village President
Village of Buffalo Grove

(seal)

Date

Amendment #3 to EXHIBIT A
County-Owned Traffic Control Devices
DIVISION OF COSTS
December 19, 2024
Page 1 of 2

Intersection	Effective Date	MAINTENANCE COSTS		FUTURE COSTS		ENERGY
		VILLAGE %	COUNTY %	VILLAGE %	COUNTY %	
Aptakisic Rd. (County Hwy. 33) at Barclay Blvd. ¹	2/1/2009	25	50	25	50	Lincolnshire
Aptakisic Rd. (County Hwy. 33) at Brandywyn Ln.	6/23/2009	50	50	50	50	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Buffalo Grove Rd. (County Hwy. 16)	2/1/2009	0	100	0	100	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Leider Ln. ¹	5/7/2010	25	50	25	50	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Prairie Rd. (County Hwy. 59) ²	9/1/2018 ²	0 ²	100 ²	0 ²	100 ²	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Weiland Rd. (County Hwy. 73)	1/1/2022	33.3	66.7	33.3	66.7	Buffalo Grove
Arlington Heights Rd. (County Hwy. 79) at Checker Rd. ³	2/1/2009	25	50	25	50	Buffalo Grove
Buffalo Grove Rd. (County Hwy. 16) at Old Checker Rd.	2/1/2009	50	50	50	50	Buffalo Grove
Buffalo Grove Rd. (County Hwy. 16) at Port Clinton Rd.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Buffalo Grove Rd. (County Hwy. 16) at Thompson Blvd.	2/1/2009	50	50	50	50	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Barclay Blvd.	5	50	50	50	50	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Buffalo Grove Rd. (County Hwy. 16)	2/1/2009	0	100	0	100	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Busch Pkwy.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Commercial Access 700' West of IL Route 21.	4/26/2019	100	0	100	0	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Commerce Ct. ⁴	3/1/2018	50	50	50	50	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Fire Station No. 26	2/1/2009	100	0	100	0	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Highland Grove Dr.	2/1/2009	50	50	50	50	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Weiland Rd. ⁴	1/1/2022	50	50	50	50	Buffalo Grove

Amendment #3 to EXHIBIT A
County-Owned Traffic Control Devices
DIVISION OF COSTS
January 6, 2025
Page 2 of 2

¹ The remaining 25% of Maintenance and Future Costs at this signal are the responsibility of the Village of Lincolnshire.

² The Maintenance and Future costs at this signal location shall be changed to be apportioned as 33.3% Village / 66.7% County effective upon the first day of the month which follows the effective date of the jurisdictional transfer of Prairie Road from the County to the Village.

³ The remaining 25% of Maintenance and Future Costs at this signal are the responsibility of the Village of Long Grove.

⁴ At these intersections the Village owns and maintains street lights that are affixed to County owned and maintained traffic signals.

⁵ Effective upon the construction of the TRAFFIC SIGNALS via New Traffic Signals (Sec. 22-00248-04-TL) and the acceptance of the TRAFFIC SIGNALS at the intersection by the COUNTY ENGINEER.

**Amendment #1 to Exhibit A
Village Owned Traffic Control Devices
Division of Costs
January 6, 2025**

Location of VILLAGE-owned Traffic Signals	Effective Date	MAINTENANCE and FUTURE COSTS		ENERGY COSTS	
		VILLAGE %	COUNTY %	VILLAGE %	COUNTY %
Weiland Road at Thompson Boulevard	12/01/2021	100	0	100	0
Weiland Road at Aptakisic-Tripp School District	12/01/2021	100	0	100	0
Weiland Road at Pauline Avenue	12/012021	100	0	100	0

Location of VILLAGE-owned Rectangular Rapid Flashing Beacons	Effective Date	MAINTENANCE and FUTURE COSTS		ENERGY COSTS	
		VILLAGE %	COUNTY %	VILLAGE %	COUNTY %
RRFB on Weiland Road North of Woodbine Drive	12/01/2021	100	0	100	0
RRFB on Weiland Road South of Marvins Way	12/01/2021	100	0	100	0
RRFB on Buffalo Grove Road South of Brandywyn	12/01/2021	100	0	100	0

Location of VILLAGE-Owned Wireless Communication Equipment on COUNTY-Owned Traffic Signals	Effective Date	MAINTENANCE and FUTURE COSTS		ENERGY COSTS	
		VILLAGE %	COUNTY %	VILLAGE %	COUNTY %
Village Owned Communication Equipment on Aptakisic Road (County Highway 33) at Leider Ln ¹	2	100	0	100	0

¹ This agreement only covers the Village owned wireless communication equipment at this location. Maintenance and Future costs of the Traffic Signal Equipment responsibilities for this location are included in Exhibit A of the Master Agreement between the County of Lake and the Village of Buffalo Grove for Energy Costs, Maintenance Costs and Future Costs Associated with County-Owned Traffic Control Devices (executed January 21, 2009)

² Effective the first day of the first month after the installation of the Village Owned Video Equipment by the County's Traffic Signal Maintenance Contractor.

MASTER AGREEMENT
BETWEEN THE COUNTY OF LAKE AND THE VILLAGE OF BUFFALO GROVE
FOR ENERGY COSTS, MAINTENANCE COSTS AND FUTURE COSTS
ASSOCIATED WITH COUNTY-OWNED TRAFFIC CONTROL DEVICES

THIS MASTER AGREEMENT is entered into this 21ST day of January, A.D. 2009, by and between the COUNTY OF LAKE, Illinois, an Illinois body politic and corporate, acting by and through its Chair and County Board, hereinafter referred to as the COUNTY, and the Village of Buffalo Grove, an Illinois Municipal Corporation, acting by and through its President and Village Board, hereinafter referred to as the VILLAGE. The COUNTY and the VILLAGE are hereinafter referred to collectively as "parties" to THIS MASTER AGREEMENT, and either one is referred to individually as a "party" to THIS MASTER AGREEMENT.

WITNESSETH

WHEREAS, THIS MASTER AGREEMENT defines responsibilities for the energy, maintenance and future costs of the traffic control signal devices with equipment, which may or may not contain street lights, emergency vehicle pre-emption system(s) (EVPS) and Lake County PASSAGE, which is the County's system of interconnected traffic signals, cameras and network equipment (hereinafter TRAFFIC SIGNALS) for the COUNTY-owned TRAFFIC SIGNALS (hereinafter COUNTY SIGNALS) located at intersections as listed in EXHIBIT A of THIS MASTER AGREEMENT; and,

WHEREAS, THIS MASTER AGREEMENT hereby terminates any and all prior agreements between the COUNTY and the VILLAGE relating to the subject matter hereof (hereinafter PRIOR AGREEMENTS). Said PRIOR AGREEMENTS include, but are not limited to: the agreement regarding roadway improvements and associated work to be performed on TRAFFIC SIGNALS along Deerfield Parkway (County Highway 11), between Illinois Route 83 and Weiland Road (County Highway 73) (executed July 25, 2005), the MASTER AGREEMENT regarding the maintenance costs, construction installation costs and future costs associated with EVPS (executed March 1, 2003), and the individual traffic signal maintenance agreements for the intersections of (1) Aptakisic Road (County Highway 33) at Barclay Boulevard (executed February 9, 1988), (2) Aptakisic Road (County Highway 33) at Buffalo Grove Road (County Highway 16) (executed September 11, 1989), (3) Buffalo Grove Road (County Highway 16) at Checker Road (executed March 20, 1995), (4) Buffalo Grove Road (County Highway 16) at Thompson Boulevard (executed May 3, 2000), (5) Weiland Road (County Highway 73) at Busch Parkway/Road (executed August 12, 1986) and (6) Weiland Road (County Highway 73) at Pauline Avenue (executed October 15, 1998);

NOW, THEREFORE, for and in consideration of the mutual covenants contained herein, made pursuant to all applicable statutes, local ordinances and authority, the COUNTY and the VILLAGE do hereby enter into the following:

SECTION I.
Recitals/Headings

1. It is mutually agreed by and between the parties hereto that the foregoing preambles are hereby incorporated herein as though fully set forth.
2. It is mutually agreed by and between the parties hereto that the "headings" as contained in THIS MASTER AGREEMENT are for reference only and the actual written provisions, paragraphs and words of THIS MASTER AGREEMENT shall control.

SECTION II.
Energy Costs, Maintenance Costs and Future Costs for COUNTY SIGNALS

1. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT hereby terminates any and all prior agreements between the COUNTY and the VILLAGE relating to the subject matter hereof (hereinafter PRIOR AGREEMENTS). Said PRIOR AGREEMENTS include, but are not limited to: the agreement regarding roadway improvements and associated work to be performed on TRAFFIC SIGNALS along Deerfield Parkway (County Highway 11), between Illinois Route 83 and Weiland Road (County Highway 73) (executed July 25, 2005), the MASTER AGREEMENT regarding the maintenance costs, construction installation costs and future costs associated with EVPS (executed March 1, 2003), and the individual traffic signal maintenance agreements for the intersections of (1) Aptakisic Road (County Highway 33) at Barclay Boulevard (executed February 9, 1988), (2) Aptakisic Road (County Highway 33) at Buffalo Grove Road (County Highway 16) (executed September 11, 1989), (3) Buffalo Grove Road (County Highway 16) at Checker Road (executed March 20, 1995), (4) Buffalo Grove Road (County Highway 16) at Thompson Boulevard (executed May 3, 2000), (5) Weiland Road (County Highway 73) at Busch Parkway/Road (executed August 12, 1986) and (6) Weiland Road (County Highway 73) at Pauline Avenue (executed October 15, 1998).
2. The VILLAGE agrees to pay one-hundred percent (100%) of all energy costs required for the operation of all COUNTY SIGNALS located at any of the intersections as listed in the attached EXHIBIT A, except as otherwise noted. Said energy costs shall be paid directly to the utility company providing the energy for the operation of said COUNTY SIGNALS.
3. It is mutually agreed by and between the parties hereto that MAINTENANCE, as it applies to any of the COUNTY SIGNALS located at any of the intersections as listed in the attached EXHIBIT A shall be understood to mean that as defined under the COUNTY's then current Traffic Signal Maintenance Contract, which, by reference herein, is hereby made a part hereof.

4. The COUNTY agrees to perform MAINTENANCE for the COUNTY SIGNALS with reimbursement from the VILLAGE per the cost-sharing schedule detailed in the attached EXHIBIT A.
5. It is mutually agreed by and between the parties hereto that from time to time that the COUNTY SIGNALS may require modernization, improvement, revision, replacement, major repairs, upgrading and/or interconnection with Lake County PASSAGE, hereinafter referred to as FUTURE WORK, having associated FUTURE COSTS.
6. The VILLAGE agrees to reimburse the COUNTY for all FUTURE COSTS of said FUTURE WORK performed by the COUNTY per the cost-sharing schedule detailed in the attached EXHIBIT A.
7. It is mutually agreed by and between the parties hereto that EXHIBIT A of THIS MASTER AGREEMENT may be amended by letter of concurrence signed by both parties to add or delete intersections with TRAFFIC SIGNALS. Said additions or deletions may result in changes to the respective cost-sharing responsibilities of the parties hereto, as these relate to maintenance costs and FUTURE COSTS and will be reflected in said EXHIBIT A. The COUNTY's County Engineer (hereinafter the COUNTY ENGINEER) shall act on behalf of the COUNTY as said actions relate to changes to EXHIBIT A, and the chief elected official shall act on behalf of the VILLAGE as said actions relate to changes to EXHIBIT A.
8. The VILLAGE agrees that, by executing THIS MASTER AGREEMENT, the VILLAGE concurs in the COUNTY award of the COUNTY's traffic signal maintenance contract in accordance with the standard policies and procedures as adopted and used by the COUNTY.

The VILLAGE further agrees that the COUNTY's electrical maintenance contractor, as well as any maintenance prices, may change at any time without prior written notice to the VILLAGE.

9. The VILLAGE shall monitor the operation of the EVPS located at all of the intersections listed in the attached EXHIBIT A, and, if any portion of the EVPS is not functioning as designed or as intended for the VILLAGE, it is the responsibility of the VILLAGE to make prompt notification to the COUNTY of the operational problems of said EVPS.
10. The VILLAGE agrees that the COUNTY shall have the sole and exclusive right to control and regulate the sequence and all other aspects of phasing and timing of all COUNTY SIGNALS.

SECTION III.
General Provisions

1. It is mutually agreed by and between the parties hereto that payments due to the COUNTY by the VILLAGE in accordance with the provisions of THIS MASTER AGREEMENT shall be made in a lump sum amount for the full amount of any invoice billings within thirty (30) days of the receipt of invoice billings from the COUNTY.
2. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT shall not be construed, in any manner or form, to limit the power or authority of the COUNTY or the COUNTY ENGINEER to maintain, operate, improve, manage, construct, reconstruct, repair, widen or expand COUNTY Highways as best determined, as provided by law.
3. It is mutually agreed by and between the parties hereto that nothing contained in THIS MASTER AGREEMENT is intended or shall be construed as in any manner or form creating or establishing a relationship of co-partners between the parties hereto, or as constituting the VILLAGE (including its elected officials, duly appointed officials, officers, employees and agents), the agent, representative or employee of the COUNTY for any purpose or in any manner, whatsoever. The VILLAGE is to be and shall remain independent of the COUNTY with respect to all services performed under THIS MASTER AGREEMENT.
4. It is mutually agreed by and between the parties hereto that each party warrants and represents to the other party and agrees that (1) THIS MASTER AGREEMENT is executed by duly authorized agents or officers of such party and that all such agents and officers have executed the same in accordance with the lawful authority vested in them, pursuant to all applicable and substantive requirements; (2) THIS MASTER AGREEMENT is binding and valid and will be specifically enforceable against each party; and (3) THIS MASTER AGREEMENT does not violate any presently existing provision of law nor any applicable order, writ, injunction or decree of any court or government department, commission, board, bureau, agency or instrumentality applicable to such party.
5. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT shall be deemed to take effect on **February 1, 2009**, provided the duly authorized agents of the parties hereto duly execute THIS MASTER AGREEMENT by affixing their signatures prior to February 1, 2009. In the event the date that the last authorized agent of the parties hereto affix their signature to THIS MASTER AGREEMENT is subsequent to February 1, 2009, the effective date of THIS MASTER AGREEMENT shall then be the first day of the month which follows the date that the last authorized agent of the parties hereto affixes their signature.

6. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT shall be enforceable in any court of competent jurisdiction by each of the parties hereto by any appropriate action at law or in equity, including any action to secure the performance of the representations, promises, covenants, agreements and obligations contained herein.
7. It is mutually agreed by and between the parties hereto that the provisions of THIS MASTER AGREEMENT are severable. If any provision, paragraph, section, subdivision, clause, phrase or word of THIS MASTER AGREEMENT is for any reason held to be contrary to law, or contrary to any rule or regulation having the force and effect of law, such decision shall not affect the remaining portions of THIS MASTER AGREEMENT.
8. It is mutually agreed by and between the parties hereto that the agreement of the parties hereto is contained herein and that THIS MASTER AGREEMENT supersedes all oral agreements and negotiations between the parties hereto relating to the subject matter hereof. Any prior agreements between the parties hereto shall remain in full force and effect except as modified by THIS MASTER AGREEMENT.
9. It is mutually agreed by and between the parties hereto that any alterations, amendments, deletions or waivers of any provision of THIS MASTER AGREEMENT shall be valid only when expressed in writing and duly executed by the parties hereto.
10. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT shall be binding upon and inure to the benefit of the parties hereto, their successors and assigns. Either of the parties hereto may terminate THIS MASTER AGREEMENT by giving thirty (30) days written notice.
11. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT may be executed in multiple identical counterparts, and all of said counterparts shall, individually and taken together, constitute THIS MASTER AGREEMENT.

12. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT shall remain in full force and effect for such a period of time as any of the COUNTY SIGNALS located at any of the intersections listed in the attached EXHIBIT A remain in place, in use and in operation.

ATTEST:

James L. Olson
Village Clerk, Deputy

VILLAGE OF BUFFALO GROVE

By: Elliot G. Huestes
President

Date: 12/1/08

RECOMMENDED FOR EXECUTION

Martin G. Buehler
Martin G. Buehler, P.E.
Director of Transportation / County Engineer
Lake County

ATTEST:

William R. Hander
County Clerk
Lake County

COUNTY OF LAKE

By: Jim Helms
Chair
Lake County Board

Date: 1-21-09

**EXHIBIT A
DIVISION OF COSTS**

Intersection	Effective Date	MAINTENANCE COSTS		FUTURE COSTS		ENERGY
		VILLAGE %	COUNTY %	VILLAGE %	COUNTY %	
Aptakisic Rd. (County Hwy. 33) at Barclay Blvd.	2/1/2009	25	50	25	50	Lincolnshire
Aptakisic Rd. (County Hwy. 33) at Brandywyn Ln.	-- (*) --	50	50	50	50	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Buffalo Grove Rd. (County Hwy. 16)	2/1/2009	0	100	0	100	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Leider Ln.	-- (*) --	25	50	25	50	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Prairie Rd.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Weiland Rd.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Arlington Heights Rd. (County Hwy. 79) at Checker Rd.	2/1/2009	25	50	25	50	Buffalo Grove
Buffalo Grove Rd. (County Hwy. 16) at Old Checker Rd.	2/1/2009	50	50	50	50	Buffalo Grove
Buffalo Grove Rd. (County Hwy. 16) at Port Clinton Rd.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Buffalo Grove Rd. (County Hwy. 16) at Thompson Blvd.	2/1/2009	50	50	50	50	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Buffalo Grove Rd. (County Hwy. 16)	2/1/2009	0	100	0	100	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Busch Pkwy.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Commerce Ct.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Fire Station No. 26	2/1/2009	100	0	100	0	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Highland Grove Dr.	2/1/2009	50	50	50	50	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Weiland Rd.	2/1/2009	50	50	50	50	Buffalo Grove
Weiland Rd. (County Hwy. 73) at Aptakisic-Tripp School Entrance	2/1/2009	100	0	100	0	Buffalo Grove
Weiland Rd. (County Hwy. 73) at Pauline Ave.	2/1/2009	100	0	100	0	Buffalo Grove

* Effective upon the completion of construction activity and the acceptance of the TRAFFIC SIGNALS at the intersection by the COUNTY ENGINEER



Shane E. Schneider, P.E.
Director of Transportation/County Engineer

600 West Winchester Road
Libertyville, Illinois 60048-1381
Phone: 847.377.7400
Fax: 847.984.5888

LETTER OF INTENT AND CONCURRENCE
Master Agreement County-Owned Traffic Control Devices
Amendment #1 to Exhibit A

December 20, 2017

The Hon. Beverly Sussman
Village of Buffalo Grove
50 Raupp Boulevard
Buffalo Grove, IL 60089

Dear President Sussman:

As a result of the new traffic signal that will be added to Deerfield Parkway by the proposed development on the northwest and southwest corners of Deerfield Parkway and IL Route 21, a revision to Exhibit A of the Master Agreement between the County of Lake and the Village of Buffalo Grove for Energy Costs, Maintenance Costs and Future Costs Associated with County-Owned Traffic Control Devices (executed January 21, 2009) is necessary. The proposed traffic signal is considered a private benefit signal, which will exist solely due to the commercial development proposed along Deerfield Parkway immediately west of IL Route 21. It is the County's policy to not enter into signal agreements directly with a development, as ownership of commercial properties often changes without notice to the County's Division of Transportation. The County respectfully requests that the traffic signal maintenance costs, future costs, and energy costs for the proposed private benefit signal on Deerfield Parkway be apportioned to the Village of Buffalo Grove. In turn, the Village may enter into an agreement with the developer as a part of the development approval process to transfer traffic signal maintenance costs, future costs, and energy costs for this proposed signal on Deerfield Parkway to the developer. It has also come to our attention that the cost-sharing arrangement for the traffic signal at Deerfield Parkway and Commerce Court and at Weiland Road and Pauline Avenue should be adjusted to re-apportion signal costs among our agencies and that the County should now be responsible for 50% of maintenance and future signal costs. Additionally, the traffic signal at Deerfield Parkway and Weiland Road should be adjusted to re-apportion signal costs so that the County should now be responsible for 100% of maintenance and future signal costs of this signal.

Pursuant to Section II, item 7, of the above-referenced Master Agreement between the County and the Village, Exhibit A of said agreement may be amended by a letter of concurrence signed by the County Engineer and the Chief Elected Official on behalf of the Village. Exhibit A of said agreement is recommended to be amended to include the proposed traffic signal to be installed along Deerfield Parkway at the proposed commercial access approximately 700' west of IL Route 21 (to be constructed via LCDOT Permit No. MAJACC-006567-2017) and to re-apportion signal maintenance and future cost sharing of the signals at Deerfield Parkway and Commerce Court, Weiland Road and Pauline Avenue, and Deerfield Parkway and Weiland Road.

Please find enclosed two (2) original copies of this LETTER OF INTENT AND CONCURRENCE, each containing the revised EXHIBIT A, reflecting the changes summarized above related to County-owned traffic signals. Please countersign below and return one original signed copy to us. If you have any questions regarding this matter, please contact Kevin Carrier, LCDOT Director of Planning & Programming at (847) 377-7448.

Very truly yours,



Shane E. Schneider, P.E.
Director of Transportation/
County Engineer

Please check the box indicating the Village's disposition in this matter.

☒ **CONCUR** The Village of Buffalo Grove concurs with the proposal contained herein.

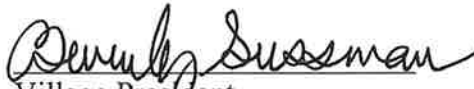
☐ **NOT CONCUR** The Village of Buffalo Grove does not concur with the proposal contained herein.

ATTEST:

VILLAGE OF BUFFALO GROVE



Village Clerk
Village of Buffalo Grove



Village President
Village of Buffalo Grove

(seal)

2-27-18

Date

EXHIBIT A
DIVISION OF COSTS
December 20, 2017

Intersection	Effective Date	MAINTENANCE COSTS		FUTURE COSTS		ENERGY
		VILLAGE %	COUNTY %	VILLAGE %	COUNTY %	
Aptakisic Rd. (County Hwy. 33) at Barclay Blvd. ¹	2/1/2009	25	50	25	50	Lincolnshire
Aptakisic Rd. (County Hwy. 33) at Brandywyn Ln.	6/23/2009	50	50	50	50	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Buffalo Grove Rd. (County Hwy. 16)	2/1/2009	0	100	0	100	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Leider Ln. ¹	5/7/2010	25	50	25	50	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Prairie Rd.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Weiland Rd.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Arlington Heights Rd. (County Hwy. 79) at Checker Rd. ²	2/1/2009	25	50	25	50	Buffalo Grove
Buffalo Grove Rd. (County Hwy. 16) at Old Checker Rd.	2/1/2009	50	50	50	50	Buffalo Grove
Buffalo Grove Rd. (County Hwy. 16) at Port Clinton Rd.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Buffalo Grove Rd. (County Hwy. 16) at Thompson Blvd.	2/1/2009	50	50	50	50	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Buffalo Grove Rd. (County Hwy. 16)	2/1/2009	0	100	0	100	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Busch Pkwy.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Commercial Access 700' West of IL Route 21.	3	100	0	100	0	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Commerce Ct. ⁴	5	50	50	50	50	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Fire Station No. 26	2/1/2009	100	0	100	0	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Highland Grove Dr.	2/1/2009	50	50	50	50	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Weiland Rd. ⁴	5	0	100	0	100	Buffalo Grove
Weiland Rd. (County Hwy. 73) at Aptakisic-Tripp School Entrance	2/1/2009	100	0	100	0	Buffalo Grove
Weiland Rd. (County Hwy. 73) at Pauline Ave.	5	50	50	50	50	Buffalo Grove

¹ The remaining 25% of Maintenance and Future Costs at this signal are the responsibility of the Village of Lincolnshire.

² The remaining 25% of Maintenance and Future Costs at this signal are the responsibility of the Village of Long Grove.

³ Effective upon the completion of construction activity and the acceptance of the TRAFFIC SIGNALS at the intersection by the COUNTY ENGINEER (construction via LCDOT permit no. MAJACC-006567-2017).

⁴ At these intersections the Village owns and maintains street lights that are affixed to County owned and maintained mastarm traffic signals.

⁵ The effective date for the revised cost sharing at this signal shall be the latter of 1/1/2018 or the first day of the month which follows the date that this Letter of Intent and Concurrence is signed by the Village.



LETTER OF INTENT AND CONCURRENCE
Master Agreement County-Owned Traffic Control Devices
Amendment #2 to Exhibit A

July 25, 2018

The Hon. Beverly Sussman
Village of Buffalo Grove
50 Raupp Boulevard
Buffalo Grove, IL 60089

Dear President Sussman:

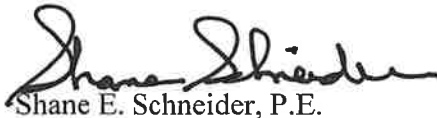
It has come to our attention that the cost-sharing arrangement for the existing traffic signals at Weiland Road and Aptakisic Road and at Aptakisic Road and Prairie Road should be adjusted to re-apportion signal costs among our agencies based on the County's existing jurisdiction of the roadways involved and that the County should now be responsible for 100% of the maintenance and future signal costs for such time as Weiland Road and Prairie Road are County highways. As such, a revision to the Exhibit A of the Master Agreement between the County of Lake and the Village of Buffalo Grove for Energy Costs, Maintenance Costs and Future Costs Associated with County-Owned Traffic Control Devices (executed January 21, 2009) is necessary.

Additionally, as a result of the planned improvements to Weiland Road and the future jurisdictional transfer of Weiland Road from Lake Cook Road to Aptakisic Road and Prairie Road from Aptakisic Road to IL Route 22 from the County of Lake to the Village of Buffalo Grove, a revision to Exhibit A of the Master Agreement between the County of Lake and the Village of Buffalo Grove is also necessary. Upon completion of the improvement and the jurisdictional transfer of Weiland Road from Lake Cook Road to Aptakisic Road from the County to the Village, the ownership, operation and maintenance responsibilities of the permanent Traffic Control Signals at Weiland Road and Pauline Avenue and at Weiland Road and Aptakisic Tripp School shall be transferred from the County to the Village and the proposed Traffic Control Signal at Weiland Road and Thompson Boulevard shall become a Village of Buffalo Grove Traffic Control Signal. Additionally, the maintenance and future costs for the Traffic Control Signals at Deerfield Parkway and Weiland Road shall be re-apportioned to be 50% Village/50% County and at Weiland Road and Aptakisic Road shall be re-apportioned to be 33.3% Village/66.7% County following the jurisdictional transfer of Weiland Road from the County to the Village. The maintenance and future costs for the Traffic Control Signals at Aptakisic Road and Prairie Road shall be re-apportioned to be 33.3% Village/66.7% County following the jurisdictional transfer of Prairie Road from the County to the Village.

Pursuant to Section II, item 7, of the above-referenced Master Agreement between the County and the Village, Exhibit A of said agreement may be amended by a letter of intent and concurrence signed by the County Engineer and the Chief Elected Official on behalf of the Village. Exhibit A of said agreement is recommended to be amended to address the changes described above.

Please find enclosed two (2) original copies of this LETTER OF INTENT AND CONCURRENCE, each containing the revised EXHIBIT A, reflecting the changes summarized above related to County-owned Traffic Control Devices. Please countersign below and return one original signed copy to us. If you have any questions regarding this matter, please contact Kevin Carrier, LCDOT Director of Planning & Programming at (847) 377-7448.

Sincerely,



Shane E. Schneider, P.E.
Director of Transportation/
County Engineer

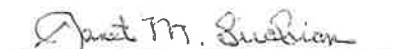
Please check the box indicating the Village's disposition in this matter.

☒ **CONCUR** The Village of Buffalo Grove concurs with the proposal contained herein.

☐ **NOT CONCUR** The Village of Buffalo Grove does not concur with the proposal contained herein.

ATTEST:

VILLAGE OF BUFFALO GROVE


Village Clerk
Village of Buffalo Grove


Village President
Village of Buffalo Grove

August 21, 2018
Date



EXHIBIT A
County-Owned Traffic Control Devices
DIVISION OF COSTS
July 25, 2018
Page 1 of 2

Intersection	Effective Date	MAINTENANCE COSTS		FUTURE COSTS		ENERGY
		VILLAGE %	COUNTY %	VILLAGE %	COUNTY %	
Aptakisic Rd. (County Hwy. 33) at Barclay Blvd. ¹	2/1/2009	25	50	25	50	Lincolnshire
Aptakisic Rd. (County Hwy. 33) at Brandywyn Ln.	6/23/2009	50	50	50	50	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Buffalo Grove Rd. (County Hwy. 16)	2/1/2009	0	100	0	100	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Leider Ln. ¹	5/7/2010	25	50	25	50	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Prairie Rd. (County Hwy. 59) ³	2 ³	0 ³	100 ³	0 ³	100 ³	Buffalo Grove
Aptakisic Rd. (County Hwy. 33) at Weiland Rd. (County Hwy. 73) ⁴	2 ⁴	0 ⁴	100 ⁴	0 ⁴	100 ⁴	Buffalo Grove
Arlington Heights Rd. (County Hwy. 79) at Checker Rd. ⁵	2/1/2009	25	50	25	50	Buffalo Grove
Buffalo Grove Rd. (County Hwy. 16) at Old Checker Rd.	2/1/2009	50	50	50	50	Buffalo Grove
Buffalo Grove Rd. (County Hwy. 16) at Port Clinton Rd.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Buffalo Grove Rd. (County Hwy. 16) at Thompson Blvd.	2/1/2009	50	50	50	50	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Buffalo Grove Rd. (County Hwy. 16)	2/1/2009	0	100	0	100	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Busch Pkwy.	2/1/2009	33.3	66.7	33.3	66.7	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Commercial Access 700' West of IL Route 21.	6	100	0	100	0	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Commerce Ct. ⁷	3/1/2018	50	50	50	50	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Fire Station No. 26	2/1/2009	100	0	100	0	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Highland Grove Dr.	2/1/2009	50	50	50	50	Buffalo Grove
Deerfield Pkwy. (County Hwy. 11) at Weiland Rd. ^{7,8}	3/1/2018 ⁸	0 ⁸	100 ⁸	0 ⁸	100 ⁸	Buffalo Grove
Weiland Rd. (County Hwy. 73) at Thompson Boulevard/Abbott Court ¹⁰	9	50	50	100	0	Buffalo Grove
Weiland Rd. (County Hwy. 73) at Aptakisic-Tripp School Entrance ¹⁰	2/1/2009	100	0	100	0	Buffalo Grove
Weiland Rd. (County Hwy. 73) at Pauline Ave. ¹⁰	3/1/2018	50	50	50	50	Buffalo Grove

EXHIBIT A Continued
County-Owned Traffic Control Devices
DIVISION OF COSTS
July 25, 2018
Page 2 of 2

¹ The remaining 25% of Maintenance and Future Costs at this signal are the responsibility of the Village of Lincolnshire.

² The effective date for the revised cost sharing at this signal shall be the first day of the month which follows the date that this Letter of Intent and Concurrence is signed by the Village.

³ The Maintenance and Future costs at this signal location shall be changed to be apportioned as 33.3% Village / 66.7% County effective upon the first day of the month which follows the effective date of the jurisdictional transfer of Prairie Road from the County to the Village.

⁴ The Maintenance and Future costs at this signal location shall be changed to be apportioned as 33.3% Village / 66.7% County effective upon the first day of the month which follows the effective date of the jurisdictional transfer of Weiland Road from the County to the Village.

⁵ The remaining 25% of Maintenance and Future Costs at this signal are the responsibility of the Village of Long Grove.

⁶ Effective upon the completion of construction activity and the acceptance of the TRAFFIC SIGNALS at the intersection by the COUNTY ENGINEER (construction via LCDOT permit no. MAJACC-006567-2017).

⁷ At these intersections the Village owns and maintains street lights that are affixed to County owned and maintained mastarm traffic signals.

⁸ The Maintenance and Future costs at this signal location shall be changed to be apportioned as 50% Village / 50% County effective upon the first day of the month which follows the effective date of the jurisdictional transfer of Weiland Road from the County to the Village.

⁹ Effective upon the construction of the TRAFFIC SIGNALS via Weiland Road (Sec. 18-00158-13-WR) and the acceptance of the TRAFFIC SIGNALS at the intersection by the COUNTY ENGINEER.

¹⁰ The effective date for removal of these signals from the list of County-Owned Traffic Control Devices shall be the first day of the month which follows the effective date of the jurisdictional transfer of Weiland Road from the County to the Village.

**MASTER AGREEMENT
BETWEEN THE COUNTY OF LAKE AND THE VILLAGE OF BUFFALO GROVE
FOR ENERGY COSTS, MAINTENANCE COSTS AND FUTURE COSTS
ASSOCIATED WITH VILLAGE-OWNED TRAFFIC CONTROL SIGNAL DEVICES**

THIS MASTER AGREEMENT is entered into this 14th day of December, A.D. 2021, by and between the COUNTY OF LAKE, Illinois, an Illinois body politic and corporate, acting by and through its Chair and County Board, hereinafter referred to as the COUNTY, and the VILLAGE OF BUFFALO GROVE, an Illinois Municipal Corporation, acting by and through its Village President and Village Board, hereinafter referred to as the VILLAGE. The COUNTY and the VILLAGE are hereinafter referred to collectively as “parties” to THIS MASTER AGREEMENT, and either one is referred to individually as a “party” to THIS MASTER AGREEMENT.

WITNESSETH

WHEREAS, THIS MASTER AGREEMENT defines responsibilities for the energy, maintenance and future costs of the traffic control signal devices with equipment, which may or may not include street lights, lighted cross walks, pedestrian flashing beacons, emergency vehicle pre-emption system(s) (hereinafter EVPS), and Lake County PASSAGE, which is the County’s system of interconnected traffic signals, cameras and network equipment, (hereinafter TRAFFIC SIGNALS), for the VILLAGE-owned TRAFFIC SIGNALS (hereinafter VILLAGE SIGNALS), all located within the VILLAGE limits and under the jurisdiction of the VILLAGE at the locations listed on EXHIBIT A of THIS MASTER AGREEMENT, which is attached hereto and hereby made a part hereof; and,

WHEREAS, the COUNTY maintains its COUNTY-owned TRAFFIC SIGNALS by way of a traffic signal maintenance contract (hereinafter SIGNAL MAINTENANCE CONTRACT) which is intended to (1) assure that all components of the TRAFFIC SIGNALS operate as originally installed, or as subsequently modified, (2) guard against and prevent equipment failures due to mechanical or electrical defects, and (3) in the event equipment failures do occur, due to unforeseen events, knockdowns, inclement weather, or from any cause whatsoever, insure that corrective measures are taken to maintain the continuous and uninterrupted operation of equipment; and,

WHEREAS, the VILLAGE is desirous of entering into an agreement with the COUNTY, specifically addressing the COUNTY including maintenance of the VILLAGE SIGNALS as part of the SIGNAL MAINTENANCE CONTRACT, at the sole expense of the VILLAGE, beginning the first day of the first month after the jurisdictional transfer of Weiland Road from the COUNTY to the VILLAGE; and,

WHEREAS, maintenance, as it applies to any of the VILLAGE SIGNALS located at the locations as listed on EXHIBIT A, shall be understood to mean that as defined under the COUNTY's then current SIGNAL MAINTENANCE CONTRACT, which, by reference herein, is hereby made a part hereof; and,

WHEREAS, EXHIBIT A of THIS MASTER AGREEMENT may be amended by Letter of Concurrence signed by both parties to add, delete or modify the TRAFFIC SIGNALS; and,

WHEREAS, by executing THIS MASTER AGREEMENT, the VILLAGE concurs in the COUNTY award of the COUNTY's SIGNAL MAINTENANCE CONTRACT in accordance with the standard policies and procedures as adopted and used by the COUNTY; and,

WHEREAS, the COUNTY lets the SIGNAL MAINTENANCE CONTRACT to be in compliance with the Illinois Prevailing Wage Act; and,

WHEREAS, the VILLAGE and the COUNTY have the right to terminate their obligation under THIS MASTER AGREEMENT, at will and without cause, upon sixty (60) days prior written notice to one another before the next programmed letting of the SIGNAL MAINTENANCE CONTRACT; and,

NOW, THEREFORE, for and in consideration of the mutual covenants contained herein, made pursuant to all applicable statutes, local ordinances and authority, the COUNTY and the VILLAGE do hereby enter into the following:

SECTION I.

Recitals/Headings

1. It is mutually agreed by and between the parties hereto that the foregoing preambles are hereby incorporated herein as though fully set forth.
2. It is mutually agreed by and between the parties hereto that the "headings" as contained in THIS MASTER AGREEMENT are for reference only and the actual written provisions, paragraphs and words of THIS MASTER AGREEMENT shall control.

SECTION II.

Energy Costs, Maintenance Costs, Extra Work, Extra Work Costs, Future Work and Future Costs for VILLAGE SIGNALS

1. It is mutually agreed by and between the parties hereto that the COUNTY administers a county-wide SIGNAL MAINTENANCE CONTRACT which is based on an annual letting cycle to be let and awarded by the COUNTY at its sole discretion. It is further mutually agreed by the

parties hereto that the contract has an initial term, typically one or two years, which may be extended by the COUNTY in accordance with the terms and conditions in the SIGNAL MAINTENANCE CONTRACT, and that the COUNTY also reserves the right to let and award the SIGNAL MAINTENANCE CONTRACT in perpetuity.

2. It is mutually agreed that the COUNTY, at the request of the VILLAGE, agrees to perform, or to have performed, maintenance for the VILLAGE SIGNALS with reimbursement from the VILLAGE per the cost-sharing schedule detailed on EXHIBIT A.
3. The VILLAGE agrees to pay one hundred percent (100%) of all energy costs required for the operation of all VILLAGE SIGNALS at the locations as listed on EXHIBIT A, except as otherwise noted. Said energy costs shall be paid directly to the utility company providing the energy for the operation of said VILLAGE SIGNALS.
4. It is mutually agreed by and between the parties hereto that maintenance, as it applies to any of the VILLAGE SIGNALS at any of the locations as listed on EXHIBIT A shall be understood to mean that as defined under the COUNTY's then current SIGNAL MAINTENANCE CONTRACT.

It is further mutually agreed by and between the parties hereto that the COUNTY shall provide the VILLAGE with a copy of said SIGNAL MAINTENANCE CONTRACT.

5. It is mutually agreed that maintenance of the VILLAGE SIGNALS shall include maintenance of the street lighting that is attached to the signal poles and/or mast arm poles. All other street lighting not attached to the VILLAGE SIGNALS shall remain the maintenance responsibility of the VILLAGE.
6. It is mutually agreed that any and all communications and requests regarding maintenance of or work to be performed on the VILLAGE SIGNALS shall be from the VILLAGE to the COUNTY and not from the VILLAGE directly to the COUNTY's SIGNAL MAINTENANCE CONTRACT contractor (hereinafter COUNTY's CONTRACTOR).
7. It is mutually agreed that all VILLAGE SIGNALS listed on EXHIBIT A shall be inspected by the VILLAGE, COUNTY, and the COUNTY's CONTRACTOR and any deficiencies shall be corrected by the VILLAGE at the VILLAGE's cost prior to the COUNTY's CONTRACTOR beginning maintenance of the VILLAGE SIGNALS.
8. It is mutually agreed that the VILLAGE shall notify the COUNTY's Traffic Department of any planned, upcoming, or active construction projects that may affect the VILLAGE SIGNALS so that the VILLAGE, the COUNTY and the COUNTY's CONTRACTOR can inspect the appropriate VILLAGE SIGNALS prior to transferring maintenance of the signals to the VILLAGE's construction contractor.

9. It is mutually agreed by and between the parties hereto that extra work outside of the scope of the TRAFFIC SIGNAL MAINTENANCE CONTRACT (hereinafter EXTRA WORK) may be required and/or requested by the VILLAGE for any of the VILLAGE SIGNALS at any of the locations as listed on EXHIBIT A. Said EXTRA WORK may result in extra cost, which are solely the responsibility of the VILLAGE (hereinafter EXTRA COST). It is further mutually agreed by and between the parties that the VILLAGE shall determine the extent of any EXTRA WORK for VILLAGE SIGNALS and that a notice of no less than thirty (30) days for any EXTRA WORK shall be provided in writing by the VILLAGE to the COUNTY regarding the request for said EXTRA WORK. The VILLAGE further agrees to pay one hundred percent (100%) of all EXTRA COSTS in the full amount within thirty (30) days of the receipt of invoice billings from the COUNTY.
10. It is mutually agreed by and between the parties hereto that repairs of motorist caused damage or “knockdowns” of traffic signal heads and posts, mast arm assemblies, cabinets or any other piece of equipment (hereinafter KNOCKDOWNS) at any of the locations listed on EXHIBIT A will be repaired by the COUNTY’s CONTRACTOR. Repair shall include replacing or making temporary and/or permanent repairs to equipment which is damaged by vehicular traffic. Repair of said KNOCKDOWNS will result in additional costs that shall be the responsibility of the VILLAGE and shall be paid by the VILLAGE to the COUNTY in the full amount within thirty (30) days of the receipt of invoice billings from the COUNTY. The VILLAGE is solely responsible for all costs associated with KNOCKDOWNS regardless of whether the VILLAGE is able to recover these costs from motorist insurance or not.
11. It is mutually agreed by and between the parties hereto that, from time to time, the VILLAGE SIGNALS may require more extensive capital improvements including but not limited to modernization, major repairs, and/or replacement (hereinafter FUTURE WORK). It is further mutually agreed by and between the parties hereto that all FUTURE WORK will remain the responsibility of the VILLAGE, to be performed as a separate VILLAGE project outside of the of the SIGNAL MAINTENANCE CONTRACT, and that any costs related to FUTURE WORK on VILLAGE SIGNALS shall be entirely the responsibility of the VILLAGE, as detailed on EXHIBIT A.
12. It is mutually agreed by and between the parties hereto that EXHIBIT A of THIS MASTER AGREEMENT may be amended by Letter of Concurrence signed by both parties to add, delete or modify TRAFFIC SIGNALS. Said additions, deletions or modifications may result in changes to the respective cost-sharing responsibilities of the parties hereto, as these relate to maintenance costs and future costs and will be reflected in said EXHIBIT A. The COUNTY ENGINEER shall act on behalf of the COUNTY as said actions relate to changes to EXHIBIT A, and the chief elected official shall act on behalf of the VILLAGE as said actions relate to changes to EXHIBIT A.
13. The VILLAGE agrees that, by executing THIS MASTER AGREEMENT, the VILLAGE concurs with the terms and conditions of the COUNTY’s SIGNAL MAINTENANCE

CONTRACT in accordance with the standard policies and procedures as adopted and used by the COUNTY.

The VILLAGE further agrees that the COUNTY's CONTRACTOR, as well as any maintenance prices, may change at any time without prior written notice to the VILLAGE.

14. It is mutually agreed that the VILLAGE shall have the sole and exclusive right to control and regulate the sequence and all other aspects of phasing and timing of the VILLAGE SIGNALS.
15. It is mutually agreed that the COUNTY's CONTRACTOR will respond on behalf of the VILLAGE to all JULIE requests received related to the VILLAGE SIGNALS, requesting information regarding the location of underground cable for VILLAGE SIGNALS and associated interconnect equipment.

It is further mutually agreed that the VILLAGE shall be responsible for all fees associated with JULIE membership and JULIE locate tickets related to the VILLAGE SIGNALS.

16. The VILLAGE agrees to exercise extreme caution when performing any work in the vicinity of VILLAGE SIGNALS and along the interconnect route so as not to damage, destroy or disconnect the fiber optic infrastructure or otherwise diminish the capabilities of the Lake County PASSAGE system. Should the VILLAGE cause such damage to occur, the VILLAGE shall immediately notify the COUNTY ENGINEER and a repair strategy will be determined in consultation with the VILLAGE. The VILLAGE shall be responsible for one hundred percent (100%) of all costs necessary to repair said damage. This provision of THIS MASTER AGREEMENT applies to VILLAGE officials, officers, employees, agents, representatives, permittees and/or contractors.
17. It is mutually agreed by and between the parties hereto that the COUNTY, in consultation with the VILLAGE, will have the right to place the standard Lake County PASSAGE sticker/emblem onto the exterior of the traffic signal controller cabinets in conjunction with any VILLAGE stickers, emblems or other identifying markings.
18. The VILLAGE agrees that the COUNTY and its authorized agents, including the COUNTY's CONTRACTOR, shall enjoy the right of entry onto the VILLAGE's rights-of-way, or other real estate onto which the VILLAGE has been granted the right of entry, to inspect, maintain, install, repair, update, modernize, reconstruct, and/or perform any work that is necessary for the maintenance of the VILLAGE SIGNALS. Said right of entry shall remain in full force and effect for such a period of time as the VILLAGE SIGNALS, or any part thereof, are listed on EXHIBIT A.

The VILLAGE further agrees that the COUNTY and its authorized agents, including the COUNTY's CONTRACTOR, shall enjoy the right of entry onto the VILLAGE's rights-of-way, or other real estate onto which the VILLAGE has been granted the right of entry, to perform any work deemed necessary, in the sole judgment of the COUNTY ENGINEER, in support of the Lake County PASSAGE program, including, but not limited to: the installation of the necessary

conduits, cables and fiber optics to connect the COUNTY's equipment within the VILLAGE to the COUNTY's Transportation Management Center, located at the Division of Transportation Office in Libertyville, Illinois. Said right of entry shall continue in perpetuity.

19. The VILLAGE and the COUNTY have the right to terminate their obligation under THIS MASTER AGREEMENT, at will and without cause, upon sixty (60) days prior written notice to one another before the next programmed letting of the SIGNAL MAINTENANCE CONTRACT.

SECTION III. Treatment of VILLAGE-Owned EMITTERS

1. If the VILLAGE's emergency vehicles are equipped with apparatuses that broadcast a visible light or invisible infrared signal in order to allow priority access through signalized intersections (hereinafter EMITTERS) which communicate with EVPS equipment, , the VILLAGE shall monitor the operation of the EVPS located at those intersections listed in the attached EXHIBIT A, and, if any portion of the EVPS is not functioning as designed, it is the responsibility of the VILLAGE to make prompt notification to the COUNTY of the operational problems of said EVPS at said intersections so that the COUNTY can communicate operational problems to the COUNTY's CONTRACTOR.
2. The VILLAGE agrees that, should there exist or arise issues of compatibility between the VILLAGE's EVPS and the VILLAGE's EMITTERS, the VILLAGE shall be responsible for one-hundred percent (100%) of all costs (including equipment costs and/or repair costs) necessary to remedy said issues of compatibility.

SECTION IV. General Provisions

1. It is mutually agreed by and between the parties hereto that payments due to the COUNTY by the VILLAGE in accordance with the provisions of THIS MASTER AGREEMENT shall be made in a lump sum amount for the full amount within thirty (30) days of the receipt of invoice billings from the COUNTY.
2. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT shall not be construed, in any manner or form, to limit the power or authority of the COUNTY or the COUNTY ENGINEER to maintain, operate, improve, manage, construct, reconstruct, repair, widen or expand COUNTY Highways as best determined, and provided by law.

3. It is mutually agreed by and between the parties hereto that nothing contained in THIS MASTER AGREEMENT is intended or shall be construed as in any manner or form creating or establishing a relationship of co-partners between the parties hereto, or as constituting the VILLAGE (including its elected officials, duly appointed officials, officers, employees and agents), the agent, representative or employee of the COUNTY for any purpose or in any manner, whatsoever. The VILLAGE is to be and shall remain independent of the COUNTY with respect to all services performed under THIS MASTER AGREEMENT.
4. It is mutually agreed by and between the parties hereto that each party warrants and represents to the other party and agrees that (1) THIS MASTER AGREEMENT is executed by duly authorized agents or officers of such party and that all such agents and officers have executed the same in accordance with the lawful authority vested in them, pursuant to all applicable and substantive requirements; (2) THIS MASTER AGREEMENT is binding and valid and will be specifically enforceable against each party; and (3) THIS MASTER AGREEMENT does not violate any presently existing provisions of law nor any applicable order, writ, injunction or decree of any court or government department, commission, board, bureau, agency or instrumentality applicable to such party.
5. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT shall be deemed to take effect on January 1, 2022, provided the duly authorized agents of the Parties hereto duly execute THIS MASTER AGREEMENT by affixing their signatures prior to January 1, 2022. In the event the date that the last authorized agent of the Parties hereto affix their signature to THIS MASTER AGREEMENT is subsequent to January 1, 2022, the effective date of THIS MASTER AGREEMENT shall then be the first day of the month which follows the date that the last authorized agent of the Parties hereto affixes their signature.
6. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT shall be enforceable in any court of competent jurisdiction by each of the parties hereto by any appropriate action at law or in equity, including any action to secure the performance of the representations, promises, covenants, agreements and obligations contained herein.
7. It is mutually agreed by and between the parties hereto that the provisions of THIS MASTER AGREEMENT are severable. If any provision, paragraph, section, subdivision, clause, phrase or word of THIS MASTER AGREEMENT is for any reason held to be contrary to law, or contrary to any rule or regulation having the force and effect of law, such decision shall not affect the remaining portions of THIS MASTER AGREEMENT.
8. It is mutually agreed by and between the parties hereto that the agreement of the parties hereto is contained herein and that THIS MASTER AGREEMENT supersedes all oral agreements and negotiations between the parties hereto relating to the subject matter hereof. Any prior agreements between the parties hereto shall remain in full force and effect except as modified by THIS MASTER AGREEMENT.

9. It is mutually agreed by and between the parties hereto that any alterations, amendments, deletions or waivers of any provision of THIS MASTER AGREEMENT shall be valid only when expressed in writing and duly executed by the parties hereto.
10. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT shall be binding upon and inure to the benefit of the parties hereto, their successors and assigns.
11. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT may be executed in multiple identical counterparts, and all of said counterparts shall, individually and taken together, constitute THIS MASTER AGREEMENT.
12. It is mutually agreed by and between the parties hereto that the COUNTY shall require its contractor to provide insurance coverage to indemnify, save harmless and defend the VILLAGE against, and hold it harmless from, any and all lawsuits, claims, demands, liabilities, losses and expenses, including court costs and attorney's fees, for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to property, which may arise or which may be alleged to have arisen out of or in connection with the work performed on the VILLAGE SIGNALS covered by the COUNTY's SIGNAL MAINTENANCE CONTRACT. The foregoing indemnity shall apply except if such injury, death or damage is caused directly by the willful and wanton conduct of the VILLAGE, its agents, representatives, servants or employees.
13. It is mutually agreed by and between the parties hereto that THIS MASTER AGREEMENT shall remain in full force and effect for such a period of time as any of the VILLAGE SIGNALS located at any of the intersections listed in the attached EXHIBIT A remain in place, in use and in operation.

ATTEST:


James M. Sussman
VILLAGE Clerk

VILLAGE OF BUFFALO GROVE

By: Beverly Sussman
Village President

Date: December 12, 2021

RECOMMENDED FOR EXECUTION

Shane E. Schneider
Shane E. Schneider, P.E.
Director of Transportation / County Engineer
Lake County

ATTEST:


Robert M. O'Connor
County Clerk
Lake County

COUNTY OF LAKE

By: Shane Schneider
Chair
Lake County Board

Date: 1/3/21

VILLAGE SIGNALS - EXHIBIT A
DIVISION OF COSTS
11/04/2021

Location of VILLAGE-owned Traffic Signals	Effective Date	MAINTENANCE and FUTURE COSTS		ENERGY COSTS	
		VILLAGE %	COUNTY %	VILLAGE %	COUNTY %
Weiland Road at Thompson Boulevard	1	100	0	100	0
Weiland Road at Aptakisic-Tripp School District	1	100	0	100	0
Weiland Road at Pauline Avenue	1	100	0	100	0

¹ Effective the first day of the first month after the jurisdictional transfer of Weiland Road from the COUNTY to the VILLAGE (effective date is currently estimated to be 1/1/2022).

Location of VILLAGE-owned Rectangular Rapid Flashing Beacons	Effective Date	MAINTENANCE and FUTURE COSTS		ENERGY COSTS	
		VILLAGE %	COUNTY %	VILLAGE %	COUNTY %
RRFB on Weiland Road North of Woodbine Drive	1	100	0	100	0
RRFB on Weiland Road South of Marvins Way	1	100	0	100	0
RRFB on Buffalo Grove Road South of Brandywyn	1	100	0	100	0

¹ Effective the first day of the first month after the jurisdictional transfer of Weiland Road from the COUNTY to the VILLAGE (effective date is currently estimated to be 1/1/2022)



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 8.e. R-2025-9

Resolution expressing official intent regarding certain capital expenditures to be reimbursed from proceeds of one or more obligations to be issued by the Village of Buffalo Grove, Lake and Cook Counties, Illinois.

Contacts

Liaison: Trustee Bocek

Staff: Chris Black

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve a Resolution expressing official intent regarding certain capital expenditures to be reimbursed from proceeds of one or more obligations to be issued by the Village of Buffalo Grove, Lake and Cook Counties, Illinois.

Summary

See attached memorandum

Strategic Alignment

Guiding Principle

Principle 1: Financially Responsible and Sound

Principle 3: Plan and Invest in the Future

Principle 7: Builds Our Community

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

Goal 2: Enhanced, beautiful, safe and sustainable neighborhoods

File Attachments

1. BOT 2025 Bonds Reimbursement Resolution Memo 1202025
2. BOT 01.21.2025 2025 Bonds Reimbursement Resolution



MEMORANDUM

DATE: January 20, 2025
TO: Village Manager Dane Bragg
FROM: Chris Black, Finance Director
SUBJECT: Reimbursement Resolution – 2025 Bonds

RECOMMENDATION

Staff recommends the Village Board approve the attached Reimbursement Resolution to allow expenditures to be incurred prior to the bond issuance.

BACKGROUND

The Village plans to issue bonds in an amount not to exceed \$27 million in March 2025. The purpose of the bonds is for street repairs (\$8 million) and construction of Fire Station #25 and Fire Station #26 (\$17.4 million). Cash reserves may be used to fund a portion of the project. The use of debt-financing for this project has been incorporated into the Village's long-term debt plan to minimize the future impact on the property tax levy.

The Village may expend funds related to the project prior to the issuance of bonds. These expenditures could include cost for the work of the temporary Station #25, as well as site preparation and other similar costs for the permanent Station #25. For these expenditures to be eligible for reimbursement from bond proceeds, the Village is required to approve a reimbursement resolution, which covers both all eligible expenses up to 60 days prior to approval and all expenses thereafter.



RESOLUTION 2025-xx

A RESOLUTION EXPRESSING OFFICIAL INTENT REGARDING CERTAIN CAPITAL EXPENDITURES TO BE REIMBURSED FROM PROCEEDS OF ONE OR MORE OBLIGATIONS TO BE ISSUED BY THE VILLAGE OF BUFFALO GROVE, LAKE AND COOK COUNTIES

WHEREAS, the President and the Board of Trustees (the “Board”) of the Village of Buffalo Grove, Lake and Cook Counties, Illinois (the “Village”), has determined that it is necessary and in the best interests of the Village to finance construction of a new fire station and street improvements (the “Project”); and

WHEREAS, all or a portion of the expenditures relating to the Project (the “Expenditures”) (i) have been paid within the 60 days prior to the passage of this Resolution or (ii) will be paid on or after the passage of this Resolution; and

WHEREAS, the Village reasonably expects to reimburse itself for the Expenditures with the proceeds of one or more obligations:

NOW, THEREFORE, Be It and It Is Hereby Resolved by the President and the Board of Trustees of the Village of Buffalo Grove, Lake and Cook Counties, Illinois, as follows:

Section 1. Incorporation of Preambles. The Board hereby finds that all of the recitals contained in the preambles to this Resolution are full, true and correct and do incorporate them into this Resolution by this reference.

Section 2. Intent to Reimburse. The Village reasonably expects to reimburse the Expenditures with proceeds of one or more obligations.

Section 3. Maximum Amount. The maximum aggregate principal amount of the obligations expected to be issued for the Project is \$27,000,000.

Section 4. Separate Action Required to Pursue Project and Expend Funds. This Resolution does not and shall not be construed to obligate the Village in any manner to pursue any identified Project or expend any funds for the completion of any identified Project, and the Board shall retain full discretion

to approve such Project and any expenditure of funds relating thereto, and such approval shall be by separate action of the Board.

Section 5. Ratification. All actions of the officers, agents and employees of the Village that are in conformity with the purposes and intent of this Resolution, whether taken before or after the adoption hereof, are hereby ratified, confirmed and approved.

Section 6. Severability. If any section, paragraph, clause or provision of this Resolution shall be held to be invalid or unenforceable for any reason, the invalidity or unenforceability of such section, paragraph, clause or provision shall not affect any of the remaining provisions of this Resolution.

Section 7. Repeal. All resolutions or parts thereof in conflict herewith be and the same are hereby repealed and this Resolution shall be in full force and effect forthwith upon its adoption.

ADOPTED by the Board on January 21, 2025.

AYES: _____

NAYS: _____

ABSENT: _____

APPROVED on January 21, 2025.

President, Village of Buffalo Grove, Lake and Cook
Counties, Illinois

RECORDED in the Village Records on January 21, 2025.

Attest:

Village Clerk, Village of Buffalo Grove,
Lake and Cook Counties, Illinois



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 8.f. O-2025-13

Ordinance Authorizing the Purchase of One Department of Public Works Fleet Vehicle from Currie Motors

Contacts

Liaison: Trustee Bocek
Staff: James Warnstedt

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve an ordinance authorizing the purchase of one 2025 Ford E-Transit Van from Currie Motors, in an amount not to exceed \$58,627.00, subject to final review and approval by the Village Attorney.

Summary

Please see attached memorandum.

Strategic Alignment

Guiding Principle

Principle 1: Financially Responsible and Sound

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

1. 2025 Ford E-Transit Memo
2. Public Works Fleet Replacement Ordinance 2025
3. 2025-Transit-Electric-207



MEMORANDUM

DATE: January 10, 2025
TO: Dane Bragg, Village Manager
FROM: Josh Wallace, Fleet Manager
SUBJECT: Department of Public Works Fleet Replacement

Recommendation

Staff recommends the Village Board authorize the Village Manager to purchase one 2025 Ford E-Transit Van from Currie Motors, through the Suburban Purchasing Cooperative/Northwest Municipal Conference in accordance with the Illinois Joint Purchasing Act (30 ILCS 525/0.01 et seq.), for a total not to exceed amount of \$58,627.00, subject to final review and approval by the Village Attorney.

Background Information

Staff request authorization to purchase one 2025 Ford E-Transit Van to replace unit 451, a 2016 Ram ProMaster 2500 Van, with 51,586 miles currently on the odometer. This unit is due to be replaced in Fiscal Year 2025, at an approved budgeted amount of \$64,000.00, as it is no longer in a condition that makes it wise to continue its service with the Water Department. This unit will be procured through the Suburban Purchasing Cooperative/Northwest Municipal Conference. The unit is fully funded in the capital reserve and the old unit will be sold for asset recovery.

Over the past eleven months, the Village piloted an F-150 Lightning EV which has demonstrated operational efficiencies and cost savings within our fleet. The EV has also proved versatile, as it has been used as a rolling generator for Buffalo Grove Days and Open House events. The Public Works Department believes that EV units have a future within our fleet, as we have identified 5 additional vehicles that are well-suited to transition to EV's, further reducing our carbon footprint. Staff will continue to evaluate future units on a case-by-case basis.

As with the F-150 Lightning EV, staff will continue to investigate and pursue any available incentives and/or rebates offered for electric vehicles to recoup a portion of the purchase expense.

The electrical infrastructure at the new Public Works Facility is more than sufficient to support current and future EV charging stations. Installation for the charging stations will be performed by in-house staff, and all necessary materials will be procured through the general operating budget.

By replacing the current vehicle with an EV, we anticipate that over the vehicle service life, 4,417 gallons of fuel will be reduced, at a cost savings of \$14,313 based on today's fuel price of \$3.24 per gallon.

The new 2025 Ford E-Transit Van has a base cost of \$58,627.00 and will require approximately \$5,373.00 of additional upfitting costs for a total budgeted amount of \$64,000.00.



ORDINANCE 2025-xxx

AN ORDINANCE AUTHORIZING THE PURCHASE OF 1 DEPARTMENT OF PUBLIC WORKS FLEET VEHICLE FROM CURRIE MOTORS

WHEREAS, the Village of Buffalo Grove is a home rule unit pursuant to the Illinois Constitution of 1970; and

WHEREAS, the Village is a member of the Northwest Municipal Conference and the Suburban Purchasing Cooperative and

WHEREAS, the Village may make purchases in accordance with Illinois Governmental Joint Purchasing Act (30 ILCS 525/0.01 et seq.)

WHEREAS, the Suburban Purchasing Cooperative engaged in a competitive procurement process to obtain the best value for money.

NOW THEREFORE BE IT ORDAINED by the President and Board of Trustees of the Village of Buffalo Grove, Cook and Lake Counties, Illinois, as follows:

SECTION 1. The foregoing recitals are hereby adopted and incorporated and made a part of this Ordinance as if fully set forth herein.

SECTION 2. The Village Board has authorized the Village Manager to purchase one (1) Department of Public Works Fleet Vehicle from Currie Motors, in an amount not to exceed \$58,627.00, subject to final review and approval by the Village Attorney.

SECTION 3. If any section, paragraph, clause or provision of this Ordinance shall be held invalid, the invalidity thereof shall not affect any other provision of this Ordinance.

SECTION 4. This Ordinance shall be in full force and effect from and after its passage and approval and shall not be codified.

AYES: _____
NAYES: _____
ABSENT: _____
PASSED: _____, 2025
APPROVED: _____, 2025
PUBLISHED: _____, 2025

ATTEST:

APPROVED:

Janet M. Sirabian, Village Clerk

Eric N. Smith, Village President



2025 Ford E-Transit Van

Contract# 207



CURRIE MOTORS FLEET

Nice People to do Business with

Good Thru

09/14/25

Purchase Orders

Required



Currie Motors Frankfort
SPC Contract Winner
Contract #207

2025 Ford Transit Full Sized E-Transit

Standard Package: **\$53,095.00**

POWERTRAIN

- 266hp engine
- Recommended fuel : electric
- ZEV
- 1 speed automatic transmission
- Rear-wheel drive
- Fuel Economy Cty: N/A
- Fuel Economy Highway: N/A

SUSPENSION/HANDLING

- Front independent strut suspension with anti-roll bar
- Rear independent trailing arm suspension with anti-roll bar, regular shocks
- Electric power-assist rack-pinion Steering
- Front and rear 16 x 6.5 argent steel wheels
- LT235/65SR16 CBSW AS front and rear tires

BODY EXTERIOR

- 3 doors
- Sliding right rear passenger
- Driver and passenger power remote, manual folding door mirrors

- Black door mirrors
- Black bumpers
- Clearcoat paint
- Front and rear 16 x 6.5 wheels
- 1 rear tow hook(s)

CONVENIENCE

- Automatic air conditioning
- Power front windows
- Driver 1-touch down
- Remote power door locks with 2 stage unlock and illuminated entry
- Manual tilt steering wheel
- Manual telescopic steering wheel
- FordPass Connect 4G internet access
- Emergency SOS
- Wireless phone connectivity
- [SYNC 4 Applink smart device integration](#)
- Integrated navigation system
- 1 1st row LCD monitor
- Front cupholders
- Driver and passenger door bins

Contract #207



SEATS AND TRIM

- Seating capacity of 2
- Front bucket seats
- 4-way driver seat adjustment
- 4-way passenger seat adjustment
- Driver armrest
- Metal-look instrument panel insert

ENTERTAINMENT FEATURES

- AM/FM stereo radio
- SYNC 4 external memory control
- Steering wheel mounted radio controls
- 4 speakers
- Streaming audio
- Fixed antenna

WARRANTY

- Basic warranty: 36 months/36000 miles
- Powertrain warranty: 60 months/60000 miles
- Corrosion perforation warranty: 60 months/unlimited miles
- Roadside assistance warranty: 60 months/60000 miles
- Traction battery warranty: 96 months/100000 miles

LIGHTING, VISIBILITY AND INSTRUMENTATION

- Halogen aero-composite headlights
- Delay-off headlights
- Auto on/off headlights

- Variable intermittent front windshield wipers
- Rain sensing wipers
- Light tinted windows
- Front reading lights
- Camera(s) - rear
- Low tire pressure warning
- Trip odometer
- Lane departure
- Traction battery level gauge
- Power/regen gauge

SAFETY AND SECURITY

- 4-wheel ABS brakes
- Brake assist with hill hold control
- Electric parking brake
- 4-wheel disc brakes
- Ford Co-Pilot360 w/Side Wind Stabilization Electronic stability control
- ABS and driveline traction control
- Dual front impact airbag supplemental restraint system with passenger cancel
- Dual seat mounted side impact airbag supplemental restraint system
- Safety Canopy System curtain 1st row overhead airbag supplemental restraint system
- Airbag supplemental restraint system occupancy sensor
- Power remote door locks with 2 stage unlock and panic alarm
- SecuriLock immobilizer

Contract #207

TRANSIT CARGO VAN

Low Roof

☐ W1Y-Transit 350 Cargo Van Low Roof 148" WB RWD BEV	53,095.00
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Med Roof

☐ W9C-Transit 350 Cargo Van Medium Roof 148" WB RWD BEV	54,095.00
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High Roof

☒ W1X-Transit 350 Cargo Van High Roof 148" WB RWD BEV	55,095.00
☐ W3X-Transit 350 Cargo Van High Roof 148" WB EL RWD BEV	56,295.00

Cutaway

☐ W5P-Transit 350 Cutaway SRW-178" WB BEV	47,795.00
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Chassis Cab

☐ W5Z-Transit 350 Cab SRW-178" WB BEV	48,295.00
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Engine

☒ 99M-Electric Extended Range Motor Package	STANDARD
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Tires

☒ 64H-Full Silver Wheel Cover	Standard
☐ 51A-Delete Full-size Spare and Wheel	-115.00
☐ 647-16" Alum. Alloy Wheels	466.00

Other Options

☐ 87E-Auxiliary Fuse Panel	345.00
☐ 63E-Dual AGM Batteries	275.00
☐ 94B-Enhanced Active Park Assist-Includes 94A,43R NA w/ EXT Configs	797.00
☐ 98A-Mobile Charger	576.00

☐	541-Short Arm-Power, Manual Folding-Cutaway	259.00
☐	543-Long Arm Non- Telescoping Power Glass Mirrors	57.00
☐	543-Long Arm Non- Telescoping Power Glass Mirrors-CA/CC	265.00
☐	544-Long Arm Non- Telescopic Power Glass Heated Mirrors w/Turn Signal	205.00
☐	544-Long Arm Non- Telescopic Power Glass Heated Mirrors w/Turn Signal CA/CC	355.00
☐	545-Short Arm Manual Folding Heated Mirrors w/Turn Signal	144.00
☐	545-Short Arm Manual Folding Heated Mirrors w/Turn Signal-CA/CC	297.00
☐	94A- Side Sensing System-Requires 58B,58A, and 65B	427.00
☒	43R-Reverse Sensing System	265.00
☒	68H-Running Board-Cargo Van	279.00
☐	17A-Fixed Rear Glass Incl Rear Window Defrost	226.00
☐	17B-Fixed Rear Door Glass w/Fixed Passenger Side Door Glass	379.00
☐	17F-Windows All-Around	557.00
☐	92E- Privacy Tint w/17A	110.00
☐	92E-Privacy Tint w/17B	201.00
☐	92E-Privacy Tint w/17F	446.00
☐	60D-Adaptive Cruise Control w/ASLD	533.00
☐	16E-Vinyl Floor Covering Front/Rear	221.00
☐	96D-Load Area Protection –RWB	NA
☐	96D-Load Area Protection-LWB	432.00
☐	96D-Load Area Protection-EL-LWB	514.00
☐	85C-Vinyl Sunvisors w/Illuminated Vanity Mirror	67.00
☒	86F-Keys 2 Additional w/Fobs	67.00
☐	90E-Pro Power On Board-120v/2.4kw	1,214.00
☐	47T-Bulk Head with Lockable Door-High Roof	1,675.00
☐	47T-Bulk Head with Lockable Door-Medium Roof	1,584.00
☐	47U- Bulk Head with Window-Medium Roof	1,117.00
☐	47U-Bulk Head with Window-Low Roof	1,056.00
☒	90C-Rearview Camera and Mirror Monitor-NA w/Low Roof	571.00
☐	90B-Rear View Mirror for Cutaway	48.00



☐	61A-Rear View Camera and Prep Kit CA/CC	201.00
☐	65A-Blind Spot Assist 1.0-Inc Blis w/CTA & TC, Short Arm Power Mirror & 43R	711.00
☐	91B-Wiper Activated Headlamps	30.00
☐	55D-Front Fog Lamps	96.00
☐	52C-Keyless Entry Key Pad	87.00
☒	43B-Back Up Alarm	178.00
☐	66C-D-Pillar Assist Handle	53.00
☐	85B-HD Rear Scuff Plate Kit-Includes Side Door Scuff Plate	336.00
☐	60B-Heavy Duty Cargo Flooring-Includes 85B-RWB	NA
☐	60B-Heavy Duty Cargo Flooring-Includes 85B-LWB	1,056.00
☐	60B-Heavy Duty Cargo Flooring-Includes 85B-LWB EL	1,152.00
☐	61D-360-Degree Camera w/Split-View & Front Washer inc. Front Fog Lamps	629.00
☒	15F-Full Rear Compartment Lighting	67.00
☐	17P- Cargo Tie-Down Hooks	25.00
☒	66D-Front Overhead Shelf-NA Low Roof	67.00
☐	43S-Reverse Brake Assist Package-Includes 360 Camera- Req.65A	869.00
☐	58B-SYNC 4 with 12" Display AM/FM, Bluetooth	Standard
☐	58C-SYNC 4 with Sirius XM, HD Radio, Subscription Navigation / 12" Display	211.00
☐	58E-SYNC 4 with Sirius XM, HD Radio, Navigation, IACC, and 12" Display	759.00
☐	58F-SYNC 4 w/Sirius XM,HD Radio, Navigation, TSR, ISA, iACC, EATC	1,033.00
☐	91L- 6 Speakers-4 Front-2 Rear	25.00



☒ 942-Daytime Running Lights	45.00
☐ 52H- Speed Limitation_____Top Speed	75.00

Misc. Options

☒ Rustproofing	395.00
☒ 4 Corner LED Strokes	1,395.00
☐ Thumb Drive Service Manual	450.00
☐ Delivery greater than 50 miles of dealership	160.00
☒ License & Title Municipal____Municipal Police ____	203.00
☒ Certificate of Origin – Customer will complete license/title application	N/C

COLOR AND TRIM

Exterior

☒ YZ-Oxford White	N/C
☐ PQ-Race Red	N/C
☐ BY-School Bus Yellow	N/C
☐ Agate Black Metallic	185.00
☐ Ingot Silver	185.00
☐ Carbonized Gray Metallic	185.00
☐ Blue Metallic	185.00
☐ Avalanche Gray Metallic	185.00
☐ Abyss Gray Metallic	185.00

Interior

☐ Dark Palazzo Grey Cloth	110.00
☒ Dark Palazzo Grey Vinyl	N/C



Title Name	Village of Buffalo Grove
Title Address	1650 Leider In
Title City	Buffalo Grove
Title Zip Code	60089
Contact Name	Josh Wallace
Phone Number	
P.O. Number	
Fleet Identification Number	
Tax Exempt Number	
Total Dollar Amount	58,627
Total Number of Units	1
Delivery Address	1627 Leider In
	Buffalo Grove, IL 60089

***Orders Require Signed Original Purchase Order Submitted to:**

*Currie Motors Fleet
10125W Laraway
Frankfort, IL 60423
PHONE: (815)464-9200
Nic Cortellini ncortellini@curriemotors.com
Tom Sullivan tsullivan@curriemotors.com*

Gasoline Chassis/Cutaways Available

Contract #207



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 8.g. O-2025-14

Ordinance Authorizing the Purchase of 3 Police Department Fleet Vehicles from Currie Motors

Contacts

Liaison: Trustee Bocek
Staff: James Warnstedt

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve an ordinance authorizing the purchase of 3 Police Department Fleet Vehicles from Currie Motors in an amount not to exceed \$126,635.00, subject to final review and approval by the Village Attorney.

Summary

Please see attached memorandum.

Strategic Alignment

Guiding Principle

Principle 1: Financially Responsible and Sound

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

1. Police Department Fleet Replacement 2025
2. Police Department Fleet Replacement Ordinance 2025
3. 2025-Escape-Contract-206-Order-Form
4. 713 717 2025-Ford-Utility-Contract-204



MEMORANDUM

DATE: January 10, 2025
TO: Dane Bragg, Village Manager
FROM: Josh Wallace, Fleet Manager
SUBJECT: Police Department Fleet Replacement 2025

Recommendation

Staff recommends the Village Board authorize the Village Manager to purchase three (3) Police Department fleet replacement vehicles from Curie Motors, through the Suburban Purchasing Cooperative/Northwest Municipal Conference in accordance with the Illinois Joint Purchasing Act (30 ILCS 525/0.01 et seq.), in a total not to exceed amount of \$126,635.00, subject to final review and approval by the Village Attorney.

Background Information

Staff request authorization to purchase two (2) 2025 Ford Police Interceptor Utility Vehicles and one (1) 2025 Ford Escape. These units are scheduled replacements in Fiscal Year 2025. These units will be procured through the Suburban Purchasing Cooperative/Northwest Municipal Conference. All units are fully funded in the Fiscal Year 2025 capital reserve budget in the total amount of \$145,000.00. Police Vehicle up-fitting for the new 2025 Ford vehicles will be performed under a separate contract. These costs will be expensed from the Police Court Supervision Fund and have no direct impact on the Capital Budget.

The following Police Department units are scheduled for replacement:

Unit 708 - 2014 Ford Police Utility Interceptor with 97,940 miles currently on the odometer. This unit is due to be replaced as it is no longer in a condition that makes it wise to continue its service with the Police Department. The unit will be sold for asset recovery. This vehicle will be replaced with a 2025 Ford Escape at a cost of \$30,117.00, with a budgeted amount of \$35,000. This vehicle will be used as an administration vehicle replacement.

Unit 713 - 2020 Ford Police Utility Interceptor with 77,555 miles currently on the odometer. This unit is due to be replaced as it is no longer in a condition that makes it wise to continue its service with the Police Department. The unit will be sold for asset recovery. This vehicle will be replaced with a 2025 Ford Police Utility Interceptor Vehicle at a cost of \$48,259.00, with a budgeted amount of \$55,000.

Unit 717 - 2020 Ford Police Utility Interceptor with 88,712 miles currently on the odometer. This unit is due to be replaced as it is no longer in a condition that makes it wise to continue its service with the Police Department. The unit will be sold for asset recovery. This vehicle will be replaced with a 2025 Ford Police Utility Interceptor Vehicle at a cost of \$48,259.00, with a budgeted amount of \$55,000.



ORDINANCE 2025-xxx

AN ORDINANCE AUTHORIZING THE PURCHASE OF 3 POLICE DEPARTMENT FLEET VEHICLES FROM CURRIE MOTORS

WHEREAS, the Village of Buffalo Grove is a home rule unit pursuant to the Illinois Constitution of 1970; and

WHEREAS, the Village is a member of the Northwest Municipal Conference and the Suburban Purchasing Cooperative and

WHEREAS, the Village may make purchases in accordance with Illinois Governmental Joint Purchasing Act (30 ILCS 525/0.01 et seq.)

WHEREAS, the Suburban Purchasing Cooperative engaged in a competitive procurement process to obtain the best value for money.

NOW THEREFORE BE IT ORDAINED by the President and Board of Trustees of the Village of Buffalo Grove, Cook and Lake Counties, Illinois, as follows:

SECTION 1. The foregoing recitals are hereby adopted and incorporated and made a part of this Ordinance as if fully set forth herein.

SECTION 2. The Village Board has authorized the Village Manager to purchase three (3) 2025 Ford Police Department Fleet Vehicles from Currie Motors, in an amount not to exceed \$126,635.00, subject to final review and approval by the Village Attorney.

SECTION 3. If any section, paragraph, clause or provision of this Ordinance shall be held invalid, the invalidity thereof shall not affect any other provision of this Ordinance.

SECTION 4. This Ordinance shall be in full force and effect from and after its passage and approval and shall not be codified.

AYES: _____
NAYES: _____
ABSENT: _____
PASSED: _____, 2025
APPROVED: _____, 2025
PUBLISHED: _____, 2025

ATTEST:

APPROVED:

Janet M. Sirabian, Village Clerk

Eric N. Smith, Village President



2025 Ford Escape Active All- Wheel Drive Contract# 206



Currie Motors Fleet

"Nice People to Do Business With"

Good Thru Order Cut- Off



Currie Motors Frankfort

SPC Contract Winner

2025 Ford Escape Active All Wheel Drive

Contract #206

Call Tom Sullivan (815) 464-9200

Standard Package: \$29,028.00

Warranty: 3 Years 36, 000 miles Bumper to Bumper/ 5 Years 60,000 Power train

17 x 7-inch front and rear silver
aluminum wheels P225/65RH17 AS
BSW front and rear tires Overdrive
transmission
Lock-up transmission
Transmission electronic control
Stainless steel quasi-dual exhaust with
chrome tailpipe finisher
All-speed ABS and driveline traction
control Lead acid battery
Battery run down protection
Auto stop-start engine
Driver selectable drivetrain mode
Fuel tank capacity: 15.69 gal.
8 inch primary LCD display
Steering wheel mounted audio controls
Wireless audio streaming
SiriusXM AM/FM/Satellite radio Seek
scan Radio data system (RDS)
SYNC 4 external memory control
Internet radio capability
3 month satellite trial subscription
Vehicle body length: 181.2"
Wheelbase: 106.7"
Interior cargo length: 68.5 "
Standard ride suspension

DRL preference setting
LED daytime running lights
Trip computer
Rear window defroster
Power door mirrors
Heated driver and passenger side door
mirrors Manual folding door mirrors
LED brake lights
Deep tinted windows
Variable intermittent front windshield
wipers Speed sensitive wipers
AdvanceTrac w/Roll Stability Control
electronic stability control system with
anti-roll
Manual rear child safety door locks
Driver front impact airbag
Seat mounted side impact driver airbag
Passenger front impact airbag
Seat mounted side impact front passenger
airbag Personal Safety System airbag
occupancy sensor 7 airbags
SecuriLock immobilizer
Automatic climate control
Dual-zone front climate control
Rear under seat climate control ducts

Fixed rear seats
60-40 folding rear seats
Manual reclining rear seats
Split-bench rear seat
Front facing rear seat
Fold forward rear seatback
Rear seats with manual fore and aft
Height adjustable rear seat head restraints
Manual rear seat head restraint control
3 rear seat head restraints
Rear seat center armrest
Bucket front seats
Driver seat with 6-way directional controls
Front passenger seat with 4-way directional controls
Height adjustable front seat head restraints
Manual front seat head restraint control
Front seat center armrest
Power reclining driver seat
Power height adjustable driver seat
Power driver seat fore/aft control
Manual reclining passenger seat
Manual passenger seat fore/aft control
Cloth front seat upholstery
Cloth front seatback upholstery
Driver seat with 2-way power lumbar
Heated driver and front passenger seats
4-wheel disc brakes
4-wheel antilock (ABS) brakes
Electronic parking brake
Brake assist system
Hill start assist

Equipment Group 200A
Engine: 1.5L EcoBoost
Transmission: 8-Speed Automatic
3.81 Axle Ratio
Tires: 225/65R17 AS BSW
Wheels: 17" Shadow Silver-Painted Aluminum Unique
Cloth Front Bucket Seats
Monotone Paint Application
106" Wheelbase
Radio: AM/FM Stereo
50-State Emissions System
SYNC 4
Ford Pass Connect
Remote Start



Models

☒ Escape Active AWD	29,028.00
☐ Escape Active FWD	-1387.00
☐ Escape ST Select AWD (2.5L Hybrid)	34,677.00
☐ Escape PHEV FWD	38,518.00

Equipment Groups

☐ 68B-Tech Package #1-Call For Details	935.00
☐ 68C-Technology Package #2-Call For Details	1499.00
☒ 19H Cold Weather Package	308.00
☒ 60S-Reverse Parking System	141.00
☐ Trailer Tow Package-ST Select Only	465.00

Other Options

☐ 47B-Easy Access Cargo Shade	127.00
☐ 50B-Floor Liners with Carpet Mats	188.00
☐ 50C-Floor Liners without Carpet Mats	150.00
☐ 50Q-Cargo Mat	94.00
☐ 63E-Remote Starter System	465.00
☒ 942-Day Time Running Lights	42.00
☐ 43M-Panoramic Vista Roof	1,499.00
☐ 51U-Mini Spare-Active Model Only	324.00
☐ 41H-Block Heater	179.00

Misc. Options

☒ Rustproofing	395.00
☐ 4-Corner LED Strobes	1,495.00
☐ CD-ROM Service Manual	395.00
☐ Delivery Greater than 50 miles of Dealership	185.00
☒ License & Title Municipal Municipal Police	203.00
☐ Passenger Plates	326.00
☒ Certificate of Origin-Customer to Complete License/Title Application	N/C

Warranties

☐ 3 Year/100,000 Miles Premium Care	1,950.00
☐ 5 Year/100,000 Miles Premium Care	2,060.00
☐ 3 Year/100,000 Miles Extra Care	1,635.00
☐ 5 Year/100,000 Miles Extra Care	1,715.00
☐ 5 Year/125,000 Miles Power Train Care	1,730.00
☐ 6 Year/125,000 Miles Power Train Care	1,800.00

Exterior Colors

☐ K1-Vapor Blue Metallic	935.00
☐ A3-Space Silver Metallic	
☐ M7-Carbonized Gray Metallic	
☒ UM-Agate Black Metallic	
☐ YZ-Oxford White-Active Model Only	
☐ PQ-Race Red	
☐ Rapid Red C/C	465.00

Interior Colors

- ☐ Space Grey-Active Model Only
- ☐ Ebony-Active Model Only
- ☒ Ebony w/Red Stitching -standard ST



Title Name	<u>Village of Buffalo Grove</u>
Title Address	<u>1650 Leider In</u>
Title City	<u>Buffalo Grove</u>
Title Zip Code	<u>60089</u>
Contact Name	<u>Josh Wallace</u>
Phone Number	<u></u>
Purchase Order Number	<u></u>
Fleet Id Number	<u></u>
Tax Exempt Number	<u></u>
Total Dollar Amount	<u>30,117</u>
Total Number of Units	<u>1</u>
Delivery Address	<u>1650 Leider In</u>
	<u>Buffalo Grove, IL 60089</u>

***Orders Require Signed Original Purchase Order and Tax- Exempt Letter Submitted to:**

*Currie Motors Fleet
10125W Laraway
Frankfort, IL 60423
PHONE: (815)464-9200
Tom Sullivan
tsullivan@curriemotors.com*

Production is not Guaranteed Due to Supply Chain Shortages and Constraints and is Subject to Plant Cancellation



2025 Ford Utility Interceptor Contract #204

\$47,615.00



Currie Motors Fleet

Nice People to do Business With!

Production Begins May 2024

Hybrid Motors are Late Availability

2025 Model Year is Allocation Based upon Sales History and Subject to Commodity Restrictions



2025 Ford Utility Interceptor

\$47,615.00

Standard Features

MECHANICAL ● 3.3L Police-Calibrated V6 Direct-Injection Hybrid Engine System –Standard ● AWD Drivetrain Transmission – 10-speed automatic, police calibrated ● Lithium-Ion Battery Pack ● Brakes – Police calibrated high-performance regenerative braking system (Hybrid Only) ● 4-Wheel heavy-duty disc w/heavy-duty front and rear calipers ● Brake Rotors – large mass for high thermal capacity and calipers with large swept area. ● Electric Power-Assist Steering (EPAS) – Heavy-Duty ● DC/DC converter – 220-Amp ● Cooling System – Heavy-duty, Engine oil cooler and transmission oil cooler ● Engine Idle Hour Meter ● Powertrain mounts – Heavy-Duty ● Class III Trailer Hitch Receiver and (2) recovery hooks ● Class III Trailer Tow Lighting Package ● Wheels— Heavy-duty steel, vented with center cap— Full size spare tire w/TPMS ● 50-State Emissions System ● H8 AGM Battery ● **Engine Idle Control** ● Manual Police Pursuit Mode

EXTERIOR ● Antenna, Roof-mounted ● Cladding – Lower body-side cladding ● Door Handles – Black ● Exhaust, True Dual ● **Daytime Running Lamps – Configurable ON/OFF through instrument cluster** ● Door-Lock Cylinders (Front Driver / Passenger / Lift-gate) ● Glass – 2nd Row, Rear Quarter and Lift-gate Privacy Glass ● Grille – Black ● Headlamps – Automatic, LED Low-and-High-Beam ● Lift-gate – Manual 1-Piece – Fixed Glass w/Door-Lock Cylinder ● Mirrors – **Black Caps** **Power Electric Remote Heated Manual Folding with Integrated Spotter** ● Spare – Full size 18" Tire w/TPMS ● Spoiler – Painted Black ● Lift-gate Handle ● Tail lamps – LED ● Tires – 255/60R18 A/S BSW ● Wheel-Lip Molding – Black ● Wheels – 18" x 8.0 painted black steel with polished stainless steel hub cover ● Windshield – Acoustic Laminated ● **Unity LED Drivers Spot Light** ● **Rear Tail Light Housing**

INTERIOR/COMFORT ● Cargo Hooks in cargo area ● Climate Control – Dual-Zone Electronic Automatic Temperature Control ● Door-Locks— Power ● **Rear-Door Handles and Locks In-Operable** ● Fixed Pedals (Driver Dead Pedal) ● Floor – Heavy-Duty Thermoplastic Elastomer ● Glove Box – Locking/non-illuminated ● Grab Handles ● Heated Sanitization Solution ● **Lift gate Release Switch located in overhead console (45 second timeout feature)** ● Lighting— Overhead Console— Red/White Task Lighting in Overhead Console— 3rd row overhead map light ● Mirror – Day/night Rear View ● Particulate Air Filter ● Power points – (1) First Row ● Rear-door closeout panels ● Rear-window Defrost ● Scuff Plates – Front & Rear ● Seats— 1st Row Police Grade Cloth Trim, Dual Front Buckets with reduced bolsters — 1st Row – Driver 6-way lower track (fore/aft. Up/down, tilt with manual recline, 2-way manual lumbar) — 1st Row – passenger 2-way manual track (fore/aft. with manual recline) — Built-in steel intrusion plates in both driver/passenger seatbacks — 2nd Row Vinyl, 35/30/35 Split Bench Seat (manual fold-flat, no tumble) ● Speed (Cruise) Control ● Speedometer –

Calibrated (includes digital readout) •Steering Wheel – Manual / Tilt / Telescoping, Speed Controls and 4 user – configurable latching switches Sun visors, color-keyed, non-illuminated •Universal Top Tray – Center of I/P for mounting aftermarket equipment •Windows, Power, 1-touch Up/Down Front Driver/Passenger-Side with disable feature • **Power Passenger Seat** • **Courtesy Lights Disabled** • **Rear Dome Light** •**Aux. Rear A/C**

SAFETY/SECURITY •Advance Trac® w/RSC® •Airbags, dual-stage driver & front-passenger, side seat, passenger-side knee, Roll Curtain Airbags and Safety Canopy®•Anti-Lock Brakes (ABS) with Traction Control • Brakes – Police calibrated high-performance regenerative braking system •Belt-Minder® (Front Driver / Passenger)•Child-Safety Locks •Individual Tire Pressure Monitoring System (TPMS)•LATCH (Lower Anchors and Tethers for Children) system on rear outboard seat locations •**Rearview Camera viewable on 8"Center Stack** • Seat Belts, Pretensioner /Energy-Management System w/adjustable height in 1st Row •SOS Post-Crash Alert System™• Perimeter Alert • **Remote Keyless Fob** •**BLIS** •**Cross Traffic Brake Assist** •**Pre-Collision Mitigation System** •**Reverse Sensing System**

Police Up-fit Friendly •Consistent 11-inch space between driver and passenger seats for aftermarket consoles (9-inch center console mounting plate)•Console mounting plate •Dash pass-thru opening for aftermarket wiring •Headliner- easy to service •Two (2) 50 amp battery ground circuits – power distribution junction block (repositioned behind 2nd row seat floorboard). • **Grill Wiring** •**100 Watt siren/Speaker Prep Kit**

Functional •Audio— AM/FM / MP3 Capable / Clock / 4-speakers— SYNC® interface — Includes hands-free voice command support — USB Port — (1) — 8" Color LCD Screen Center- Stack "Smart Display"• Easy Fuel® Capless Fuel-Filler •Fleet Telematics Modem to support Ford Pro™ Telematics •Front door tether straps (driver/passenger)•Power pigtail harness •Simple Fleet Key; 4-keys•Two-way radio pre-wire •Two (2) 50 amp battery power circuits – power distribution junction block (behind 2nd row passenger seat floorboard)•Wipers – Front Speed- Sensitive Intermittent; Rear Dual Speed Wiper •Up fitter Interface System •PAITRO output tied to lift gate release switch •3 Year 36,000 Mile Warranty-5 Year 100,000 mile Powertrain Warranty •Delivery under 75 miles



Models

☒	K8A	2025 Utility Interceptor Hybrid-Late Availability	47,615.00
☐			
☐			
☐			
☐			
☐			
☐			
☐			
☐			
☐			

OPTIONS-Mechanical/Functional

☐	99B-3.3L V-6 TI-VCT Motor NA with 99C Motor	-2661.00
☐	99C-3.0L Eco boost	893.00
☐	76D-Deflector Plate (engine and transmission shield)	320.00
☐	41H-Block Heater	179.00
☐	18X-100 Watt Siren Speaker (includes bracket and pig tail)	329.00
☐	60R-Noise Suppression	94.00
☐	67U-Ultimate Wiring Kit	602.00
☐	67V-Connector Kit	188.00
☐	85D-Front Console Mounting Plate Delete (NA with 67H, 67U, 85R)	NC
☐	85R-Rear Mounting Plate (NA with 65U, 85D)	56.00
☐	67H Ready For the Road Package-OEM Lighting and Wiring Package	3,532.00
☐	18D-Global Lock/Unlock- Deletes 45 second Lift Gate Lock Release	N/C

Options-Exterior

☐	16P Rear Bumper Step Pad	94.00
☐	65L 18" Wheel Covers	65.00
☒	Keyed Alike CODE _____	47.00
☐	942-Daytime Running Light-Cannot be Reprogrammed	47.00
☐	68G- Rear Door Locks Inoperable	STD
☐	52P-Hidden Door Lock Plunger Includes 68G	150.00
☐	43A-Rear Auxiliary Lights	376.00
☐	96T-Rear Spoiler Traffic Light-Compatible with Interior Upgrade Package	1,410.00
☐	51P-Drivers Side Spot Light Prep	132.00
☐	51S-Dual Spot Lights-Unity	582.00
☒	51T-Drivers Spot Light-Whelen	394.00
☐	51V-Dual Spot Lights-Whelen	629.00
☐	51W-Dual Spot Prep	264.00
☐	Spot Light Delete	-376.00
☐	63B-Side Marker Lights	320.00
☐	63L-Quarter Glass Lights	546.00
☐	66A-Front Headlamp Package	846.00
☐	66B-Tail Lamp Package	405.00
☐	66C-Rear Light Package	432.00
☐	16D-Badge Delete	N/C
☐	21L Front Auxiliary Light	546.00

Options-Interior

☐	47E 12.1" Integrated Computer Screen	3,478.00
☐	63V Cargo Vault (Lockable Small Compartment)	253.00
☐	65U Interior Upgrade Package	367.00
☐	92R Solar Tint 2 nd Row (Deletes Privacy Glass)	85.00
☐	92G Solar Tint 2 nd Row and Cargo Area (Deletes Privacy Glass)	112.00
☐	87M 4" Rear Camera (1/4 size Picture in Picture in Upper Left Quadrant of Display)	N/C
☐		

☐	16C Carpet Floor Covering	141.00
☐	F6 Ebony Cloth Seating	51.00
☐	90D Ballistic Door Panels (Level III +)-Driver Front Door Only	1495.00
☐	90E Ballistic Door Panels (Level III+)- Driver and Passenger Front Doors Only	2979.00
☐	90F Ballistic Door Panels (Level IV+)- Driver Front Door Only	2274.00
☐	90G Ballistic Door Panels (Level IV +)- Driver and Passenger Front Doors Only	4541.00
☐		
☐		

Exterior Colors

☐	E4-Vermillion Red	
☐	JS-Iconic Silver	
☐	LK-Dark Blue	
☐	LM-Royal Blue	
☐	M7-Carbonized Gray	
☐	TN-Silver Grey Metallic	
☐	UJ-Sterling Gray	
☐	UM-Agate Black	
☒	YZ-Oxford White	
☐		

Miscellaneous Options

☐	4-Corner LED Amber Strobes	1,395.00
☐	Rustproofing (Does Not Include Undercoating)	395.00
☐	Delivery Over 75 Miles	250.00
☐	Certificate of Origin (Customer to Complete Licensing)	N/C
☒	License and Title- Municipal Municipal Police	203.00
☐	Passenger Title and Plates	351.00
☐		

Title Name	Village of Buffalo Grove
Title Address	1650 Leider In
Title City	Buffalo Grove
Title Zip Code	60089
Contact Name	Josh Wallace
Phone Number	
PO Number	
FIN CODE	
Tax Exempt Number	
Total Dollar Amount	48,259
Delivery Address	1650 Leider In
	Buffalo Grove, IL 60089

***Orders Require Signed Original Purchase Order and Tax Exempt Letter Submitted to:**

Currie Motors Commercial Center

10125 W Laraway

Frankfort IL 60423

PHONE: (815) 412-3227

Tom Sullivan

tsullivan@curriemotors.com

Phone: (815)464-9200

Nic Cortellini

ncortellini@curriemotors.com

Production is based upon Plant Scheduling and Commodity Restrictions Subject to Cancellation

Payment Due at Time of Delivery



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 8.h. O-2025-15

Ordinance Approving a Letter of Agreement Between the Village of Buffalo Grove and the Metropolitan Alliance of Police (MAP), Buffalo Grove Police Patrol Officer Chapter #672

Contacts

Liaison: Trustee Ottenheimer

Staff: Kathryn Golbach

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve an Ordinance authorizing the Village Manager to sign a letter of agreement between the Village of Buffalo Grove and the Metropolitan Alliance of Police (MAP), Buffalo Grove Police Patrol Officer Chapter #672.

Summary

Background

As part of the current 2024-2026 Collective Bargaining Agreement with Metropolitan Alliance of Police (MAP), both the Village and the Union agreed to compute the 2025 general wage increase based on our established wage formula as done in prior years. As anticipated, the 2025 general wage increase for MAP has been calculated at three percent (3%), consistent with the budget allocation for FY2025. On January 7, 2025, the Union ratified the 2025 wages, agreeing to the three percent (3%) general wage increase.

Strategic Alignment

Guiding Principle

Principle 1: Financially Responsible and Sound

Principle 3: Plan and Invest in the Future

Principle 4: High Performing Village Team

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

1. Ordinance 2025 Side Letter Wages
2. 2025 Side Letter Wages 1.2.25





ORDINANCE 2025-xxx

AN ORDINANCE APPROVING A LETTER OF AGREEMENT BETWEEN THE VILLAGE OF BUFFALO GROVE AND THE METROPOLITAN ALLIANCE OF POLICE (MAP), BUFFALO GROVE POLICE PATROL OFFICER CHAPTER #672

WHEREAS the Village of Buffalo Grove is a home rule unit pursuant to the Illinois Constitution of 1970; and

WHEREAS in accordance with the Illinois Public Labor Relations Act, the Village of Buffalo Grove entered into good faith collective bargaining and has thus reached an agreement with the Metropolitan Alliance of Police (MAP), Buffalo Grove Police Patrol Officer Chapter #672 concerning wages for January 1, 2025 through December 31, 2025, as reflected within the Collective Bargaining Agreement in effect from January 1, 2024 through December 31, 2026; and

NOW THEREFORE BE IT ORDAINED by the President and Board of Trustees of the Village of Buffalo Grove, Cook and Lake Counties, Illinois, as follows:

SECTION 1. The foregoing recitals are hereby adopted and incorporated and made a part of this Ordinance as if fully set forth herein.

SECTION 2. The Village Manager is authorized to enter into the Letter of Agreement with the Metropolitan Alliance of Police (MAP), Buffalo Grove Police Patrol Officer Chapter #672.

SECTION 3. If any section, paragraph, clause or provision of this Ordinance shall be held invalid, the invalidity thereof shall not affect any other provision of this Ordinance.

SECTION 4. This Ordinance shall be in full force and effect from and after its passage and approval and shall not be codified.

AYES: _____
NAYES: _____
ABSENT: _____
PASSED: _____, 2025
APPROVED: _____, 2025
PUBLISHED: _____, 2025

ATTEST:

APPROVED:

Janet M. Sirabian, Village Clerk

Eric N. Smith, Village President

Side Letter of Agreement
Between
The Village of Buffalo Grove
And
The Metropolitan Alliance of Police (MAP), Buffalo Grove Police Patrol Officer Chapter #672

January 21, 2025

Representatives from the Village of Buffalo Grove (“Village”) and the Metropolitan Alliance of Police (MAP), Buffalo Grove Police Patrol Officer Chapter #672 (“Union”) agree to this Side Letter of Agreement to the Collective Bargaining Agreement (“CBA”) between the parties dated January 1, 2024, through December 31, 2026, which hereby establishes wages for 2025, pursuant to the formula set forth in Section 6.1 of the CBA, by adding the following salary schedule:

Article VI. Section 6.1 – Salaries

Salary Schedule – January 1, 2025, through December 31, 2025

Effective: January 1, 2025

A. Police Patrol Officer

- a. The minimum and entrance salary at step 318 as delineated in the Village of Buffalo Grove’s Municipal Classification and Pay Plan, or \$83,605.60
- b. The maximum salary, exclusive of overtime pay, shall be at step 396 or \$123,362.72

2025 Buffalo Grove Pay Step Plan		
Starting Pay:	\$ 83,605.60	318
Pay after first complete year of Employment:	\$ 88,318.88	329
Pay after second complete year of employment:	\$ 93,300.48	340
Pay after third complete year of employment:	\$ 98,562.88	351
Pay after fourth year of employment:	\$ 104,120.64	362
Pay after fifth year of employment:	\$ 109,992.48	373
Pay after sixth year of employment:	\$ 116,197.12	384
Pay after seven or more complete years of employment:	\$ 123,362.72	396

This Side Letter of Agreement is executed this _____ day of January 2025.

For the Village of Buffalo Grove:

For MAP, Buffalo Grove Police Patrol
Officer Chapter #672:

Dane C. Bragg
Village Manager

Keith R. George
President, Metropolitan Alliance of Police

Derek Hawkins
President, MAP Chapter #672



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 8.i. R-2025-10

Resolution Approving the Revised 2025 Pay Ranges for the Village of Buffalo Grove Employees

Contacts

Liaison: Trustee Ottenheimer

Staff: Kathryn Golbach

Staff Recommendation

Staff recommends approval.

Recommended Motion

I motion to approve the resolution approving the revised 2025 pay ranges for the Village of Buffalo Grove Employees.

Summary

Background

On December 2, 2024, the Village Board Approved the 2025 pay ranges for employees of the Village of Buffalo Grove with the understanding that those pay ranges may need to be revised in the future to incorporate newly negotiated salaries for our bargaining groups. At this time, staff has computed 2025 salaries for employees of the MAP bargaining unit resulting in revised pay ranges for 2025 for the position of Police Patrol Officer. The increase for Police Patrol Office is three percent (3%), which is consistent with the approved 2025 budget document.

Strategic Alignment

Guiding Principle

Principle 1: Financially Responsible and Sound

Principle 3: Plan and Invest in the Future

Principle 4: High Performing Village Team

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

1. 1.21.25 Resolution 2025 Revised Pay Ranges
2. 1.21.25 2025 Draft Pay Ranges rev.





RESOLUTION 2025-xx

A RESOLUTION APPROVING THE REVISED 2025 PAY RANGES FOR VILLAGE OF BUFFALO GROVE EMPLOYEES

WHEREAS the Village of Buffalo Grove is a home rule unit pursuant to the Illinois Constitution of 1970; and

WHEREAS on December 2, 2024, the Village President and Board of Trustees adopted the Village of Buffalo Grove's fiscal year 2025 budget, and;

WHEREAS on December 2, 2024, the Village President and Board of Trustees adopted the 2025 pay ranges, and;

WHEREAS the 2025 pay ranges have been revised so that they are more accurately aligned with both internal and external labor market.

NOW THEREFORE BE IT RESOLVED by the President and Board of Trustees of the Village of Buffalo Grove, Cook and Lake Counties, Illinois, as follows:

SECTION 1. The foregoing recitals are hereby adopted and incorporated and made a part of this Resolution as if fully set forth herein.

SECTION 2. The Village of Buffalo Grove does hereby approve the revised 2025 Pay Ranges for the Village of Buffalo Grove Employees (attached).

SECTION 3. This Resolution shall be in full force and effect from and after its passage and approval.

AYES: _____
NAYES: _____
ABSENT: _____
PASSED: _____, 2025
APPROVED: _____, 2025

ATTEST:

APPROVED:

Janet M. Sirabian, Village Clerk

Eric N. Smith, Village President

Village of Buffalo Grove

2025 Revised Pay Ranges

with a general wage increase of three percent (3%) awarded on January 1, 2025

Position	New Min	Step	New Max	Step
Pay Grade 74	\$152,871.68	439	\$227,830.72	519
Deputy Village Manager				
Pay Grade 70	\$143,990.08	427	\$214,593.60	507
Director of Finance				
Police Chief				
Fire Chief				
Director of Public Works				
Director of Community Development				
Pay Grade 66	\$123,362.72	396	\$184,772.64	477
Deputy Fire Chief				
Director of Human Resources				
Deputy Police Chief				
Deputy Public Works Director/Village Engineer				
Pay Grade 62	\$114,470.72	381	\$170,599.52	461
Communications Director				
Battalion Chief				
Deputy Director of Finance				
Administrative Services Director				
Deputy Public Works Director				
Deputy Community Development Director				
Police Commander				
Pay Grade 58	\$108,902.56	371	\$162,300.32	451
Police Lieutenant				
Building Services Manager				
Head Golf Professional BG & Arbo				
Public Works Superintendent				
Assistant Village Engineer				
Assistant to the Village Manager				
Assistant Village Manager				
Pay Grade 56	\$101,052.64	356	\$150,600.32	436
Police Sergeant				
Pay Grade 54	\$94,234.40	342	\$140,443.68	422
Civil Engineer II				
Principal Planner				
EMS Educator				
Pay Grade 50	\$126,478.56	401	\$140,443.68	422
Fire Lieutenant/ Paramedic (May 1, 2024 - April 30, 2025)				
Pay Grade 46	\$123,980.48	397	\$137,668.96	418
Fire Lieutenant/ Non-Paramedic (May 1, 2024 - April 30, 2025)				

Pay Grade 42	\$87,008.48	326	\$129,671.36	406
Public Works Manager				
Purchasing Manager				
Civil Engineer I				
Administrative Support Manager				
Human Resources Manager				
Pay Grade 34	\$81,140.80	312	\$120,927.04	392
Plan Reviewer				
Crew Leader				
Technical Services Administrator				
Pay Grade 29	\$74,543.04	295	\$121,530.24	393
Firefighter/Paramedic				
(May 1, 2024 - April 30, 2025)				
Pay Grade 25	\$83,605.60	318	\$123,362.72	396
Patrol Officer				
(January 1, 2025 - December 31, 2025)				
Pay Grade 23	\$73,072.48	291	\$119,129.92	389
Firefighter/EMT-B				
(May 1, 2024 - April 30, 2025)				
Pay Grade 21	\$75,291.84	297	\$112,209.76	377
Building Inspector				
Health Inspector				
Electrical & Mechanical Inspector				
Fire Inspector				
EMA Coordinator				
Deputy Fire Marshal				
Plumbing Inspector				
Administrative Services Manager				
Property Maintenance Inspector				
Mechanic II				
Accountant				
Associate Planner				
Human Resources Generalist				
Deputy Village Clerk				
Engineering Technician				
Management Analyst				
Head Golf Professional				
Maintenance Worker II				
Buyer				
Social Worker				
Pay Grade 17	\$64,507.04	266	\$96,135.52	346
Public Education Officer-Fire				
Permit Coordinator				
Maintenance Worker I				
Pay Grade 13	\$56,378.40	239	\$82,775.68	316
Administrative Assistant				
Utility Billing Coordinator				
Accounts Payable Coordinator				

Payroll Coordinator				
Assistant Golf Professional				
Evidence Custodian				
Communications Coordinator				
Pay Grade 9	\$51,794.08	222	\$77,192.96	302
Community Service Officer				
Desk Officer				
Clerk				
Pay Grade 5	\$29,775.20	111	\$44,374.72	191
Fleet Maintenance Shop Assistant				
Engineering Aide				
Pay Grade 1	\$28,753.92	104	\$39,763.36	169
School Crossing Guard				
Laborer				
Golf Course Attendant				



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 8.j. O-2025-16

Ordinance Approving an Amendment to an Intergovernmental Agreement with Vernon Township

Contacts

Liaison: Trustee Stein

Staff: Kyle Johnson

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve an Ordinance authorizing the Village President to execute an Amendment to the Intergovernmental Agreement with Vernon Township for stormwater and roadway improvements in Horatio Gardens, pending the final review by the Village Attorney.

Summary

Recommendation

Staff recommends that the Village Board authorize the Village President to execute an Ordinance approving an Amendment to the Intergovernmental Agreement with Vernon Township for stormwater and roadway improvements in Horatio Gardens, pending attorney review.

Background

On July 15th, 2024 the Village Board approved an Intergovernmental Agreement (IGA) with Vernon Township for work associated with the 2025 Northwood Street & Utility Project. The IGA outlined the terms, responsibilities, costs, conditions and ultimate ownership of new facilities within the project.

With design now complete and the project award also up for consideration this evening, the original IGA was revisited to determine if any items required updating. The only item in need of adjustment is outlining specifics on the final ownership of the storm sewer installations as the July 15th IGA was based upon highly conceptual information. The attached IGA amendment strikes the original schematic (Attachment D) and replaces it with plan sheets that depict which agency will ultimately own specific runs of storm sewer.

Strategic Alignment

Guiding Principle

Principle 5: Partnership with Local Districts

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

1. Draft Ordinance - Vernon Township IGA Amendment
2. Vernon Township IGA Amendment





ORDINANCE 2025-xxx

AN ORDINANCE AUTHORIZING AN AMENDMENT TO THE INTERGOVERNMENTAL AGREEMENT WITH VERNON TOWNSHIP FOR STORMWATER AND ROADWAY IMPROVEMENTS IN HORATIO GARDENS

WHEREAS the Village of Buffalo Grove is a home rule unit pursuant to the Illinois Constitution of 1970; and

WHEREAS the Village seeks to enter into an Amendment to the Intergovernmental Agreement with Vernon Township for stormwater and roadway improvements in Horatio Gardens.

NOW THEREFORE BE IT ORDAINED by the President and Board of Trustees of the Village of Buffalo Grove, Cook and Lake Counties, Illinois, as follows:

SECTION 1. The foregoing recitals are hereby adopted and incorporated and made a part of this Ordinance as if fully set forth herein.

SECTION 2. The Village President is authorized to enter into an Amendment to the Intergovernmental Agreement with Vernon Township for stormwater and roadway improvements in Horatio Gardens, pending attorney review.

SECTION 3. If any section, paragraph, clause or provision of this Ordinance shall be held invalid, the invalidity thereof shall not affect any other provision of this Ordinance.

SECTION 4. This Ordinance shall be in full force and effect from and after its passage and approval and shall not be codified.

AYES: _____
NAYES: _____
ABSENT: _____
PASSED: _____, 2025
APPROVED: _____, 2025
PUBLISHED: _____, 2025

ATTEST:

APPROVED:

Janet M. Sirabian, Village Clerk

Eric N. Smith, Village President

INTERGOVERNMENTAL AGREEMENT FOR THE STORMWATER AND ROADWAY IMPROVEMENTS IN HORATIO GARDENS WITH VERNON TOWNSHIP

This Agreement (the "Agreement") is made and entered into by and between Vernon Township ("Township"), a body politic and corporate of the State of Illinois, and the Village of Buffalo Grove ("Village"), a body politic and corporate of the State of Illinois. The Township and Buffalo Grove are sometimes collectively referred to as the "Parties."

RECITALS

WHEREAS, the Horatio Gardens, which is the area generally bounded by Weiland Road, Pauline Avenue, Newtown Drive/Marie Avenue and the ComEd right-of-way; and

WHEREAS, the objective of the project that in the subject of this Agreement will be to improve stormwater management and rehabilitate the roadways south of Pope Boulevard; and

WHEREAS, the Parties, by this Agreement, desire to memorialize their respective cost obligations and responsibilities of the project.

NOW THEREFORE, in consideration of the promises, covenants, terms and conditions set forth in this Agreement, the Parties hereto agree as follows:

SECTION 1. INCORPORATION OF RECITALS

The above recitals are incorporated into this Agreement as if fully set forth herein.

SECTION 2. TERM AND TERMINATION

This Agreement shall not become effective unless authorized by the parties' respective boards and executed by the Township Supervisor and the Buffalo Grove Village President. This Agreement is a legal, valid and binding agreement, enforceable against the Parties. This Agreement shall continue until it is terminated by Agreement of the parties.

In the event that the project is not bid and awarded by December 31st, 2025 this agreement shall be considered null and void.

SECTION 3. RESPONSIBILITIES

3.1 Throughout the project Vernon Township and the Village of Buffalo Grove shall have the following obligations:

Village

- a. The Village will contract with an engineering consultant for survey, design and construction management for the Township's stormwater and roadway improvements. This proposal is attached as Attachment A.

- b. The Village will lead the procurement process, resulting in a bid that includes the Township's stormwater improvements as part of the base bid with the Village's stormwater and roadway needs. The Township's roadway needs will be bid as an alternate allowing them to determine whether to proceed with the work prior to award.
 - c. The Village will pay the contractor according to the terms and conditions of their contract. The final costs for the overall project will be determined by the billed and agreed to contract line-item quantities.
 - d. The Village will follow the Lake County Stormwater Management Processes that keep the project eligible for Department of Commerce and Economic Opportunity grant funding. This will include review and approval of an Intergovernmental Agreement for the full \$5,500,000.00 grant funding to cover \$2,750,000.00 for each Parties participation. The Pre-Award IGA is included as Attachment C.
 - e. The Village will invoice the Township for their share of the contracted improvements as well as the contracted engineering services less the grant funding. Invoices will be sent under the following schedule:
 - a. 80% of the quantity unit pricing total upon substantial completion of the project
 - b. 10% of the final unit pricing upon completion of the project and punch list as well as agreement to quantities with the contractor
 - c. 10% of the total and final costs upon the completion of the maintenance period and all consultant related closeout activities
- Preliminary costs are included in Attachment B for budgetary purposes.
- f. The Village shall comply with any and all applicable Federal and State Laws, including but not limited to the Prevailing Wage Act and public bid procedures.
 - g. As a result of this stormwater improvement project, the Village will not pursue any implementation of a stormwater utility fee for the Horatio Gardens neighborhood that is outside of the Corporate Boundaries of Buffalo Grove.

Township

- h. The Township will inform the Village of their intent to proceed or decline the roadwork within 3 business days from the date of bid opening in writing. (But the storm water project has no such opt out, pending the fulfillment of the grant funding)
- i. The Township will make payment to Buffalo Grove within ninety (90) days of receipt of the invoice.
- j. Upon completion of the project the Township will be responsible for the ownership and maintenance of all improvements within their boundaries in addition to the storm sewer added along Pauline Avenue from Horatio Boulevard to it termini to the west as well as all pipe and connections to the Township side streets. See Attachment D.
- k. Consistent with the Pre-Award Intergovernmental Agreement that is included as Attachment C, the Township may elect to not participate in the project if the grant funding is not allocated.

Mutual

- l. The Parties agree to promote both entities in announcements, marketing materials or promotions that highlight the project and grants, its benefit to the community or financial contributions to the Project.
- m. The Parties will aim to provide general maintenance and upkeep of the infrastructure as a cooperative effort further reducing future costs collectively while also providing the highest level of workmanship.

SECTION 5. GENERAL PROVISIONS

- 5.1 Governing Law and Venue. This Agreement shall be interpreted under, and governed by, the laws of the State of Illinois, without regard to conflicts of laws principles. Any claim, suit, action, or proceeding brought in connection with this Agreement shall be in the Circuit Court of Cook County and each Party hereby irrevocably consents to the personal and subject matter jurisdiction of such court and waives any claim that such court does not constitute a convenient and appropriate venue for such claims, suits, actions, or proceedings.
- 5.2 Default. A Party shall be in default hereunder in the event of a material breach by such Party (the “Defaulting Party”) of any term or condition of this Agreement including, but not limited to, a representation or warranty, where the Defaulting Party has failed to cure such breach within thirty (30) days after written notice of breach is given by another Party (the “Non-Defaulting Party”), setting forth the nature of such breach. Failure of a Non-Defaulting Party to give written notice of breach to the Defaulting Party shall not be deemed to be a waiver of the right of such Non-Defaulting Party to assert such breach at a later time. Upon default the Non-Defaulting Party shall be entitled to exercise all available remedies at law and in equity. The Non-Defaulting Party shall be entitled to reasonable attorneys’ fees and costs relating to litigation initiated by the Non-Defaulting Party. In the event of a default by either of the Parties, the County shall be notified in writing by the Non-Defaulting Party. If the County assumes the maintenance obligation of the Defaulting Party for any period of time and incurs expenses in so doing, the County may charge the Defaulting Party for any such reasonable expense.
- 5.3 Modification. This Agreement may not be altered, modified or amended except by a written instrument signed by all Parties. Provided, however, the Parties agree that provisions required to be inserted in this Agreement by laws, ordinances, rules, regulations or executive orders are deemed inserted whether or not they appear in this Agreement and that in no event will the failure to insert such provisions prevent the enforcement of this Agreement.
- 5.4 Force Majeure. Neither the County, nor Buffalo Grove, nor Township, shall be liable for failing to fulfill any obligation under this Agreement to the extent any such failure is caused by any event beyond such Party’s control and which event is not caused by such Party’s fault or negligence. Such events shall include but not be limited to acts of God, acts of war, fires, lightning, floods, epidemics or riots.
- 5.5 Notices. Unless otherwise specified, any notice, demand or request required under this Agreement must be given in writing at the addresses set forth below by any of the following means: personal service, overnight courier or first-class mail.

TO TOWNSHIP:
Township Supervisor
Vernon Township
2900 N. Main Street
Buffalo Grove, IL 60089

TO BUFFALO GROVE:
Village Manager
Village of Buffalo Grove
50 Raupp Blvd.
Buffalo Grove, IL 60089

5.6 Entire Agreement. This Agreement constitutes the entire agreement between the Village and Township, and merges all discussion between them and supersedes and replaces any and every other prior or contemporaneous agreement, negotiation, understanding, commitment and writing with respect to such subject matter hereof.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed by their respective officials on the dates as shown.

VERNON TOWNSHIP:

Tim Kobler
Township Supervisor
Vernon Township

This 11th day of July A.D. 2024.

ATTEST: _____
Clerk

(SEAL)

VILLAGE OF BUFFALO GROVE:

Eric N. Smith
Village President
Village of Buffalo Grove

This 15th day of July A.D. 2024.

ATTEST: _____
Village Clerk

(SEAL)

Attachment A

Engineering Consultant Agreement

July 3, 2024

Mr. Kyle E Johnson, P.E., CFM
Deputy Public Works Director / Village Engineer
Village of Buffalo Grove
51 Raupp Blvd.
Buffalo Grove, IL 60089

625 Forest Edge Drive, Vernon Hills, IL 60061

TEL 847.478.9700 ■ FAX 847.478.9701

www.gha-engineers.com

Re: Professional Surveying and Engineering Services
2025 Vernon Township Horatio Gardens DCEO Project
Village of Buffalo Grove
GHA Proposal No. 2024.M027

Dear Mr. Johnson:

Thank you for considering Gewalt Hamilton Associates, Inc. (GHA) for the design engineering services for the above referenced project. Our firm is well qualified to perform this work and is eager to continue serving the Village of Buffalo Grove. We have included Engineering Resource Associates, Inc. on our team to continue their work on this subject area.

If you should have any questions or require additional information, please do not hesitate to contact me.

Sincerely,
Gewalt Hamilton Associates, Inc.



Leo X. Morand, P.E.
Director of Municipal Services
lmorand@gha-engineers.com

Encl.: GHA Proposal No. 2022.M019

Professional Surveying & Engineering Services
2025 Vernon Township Horatio Gardens DCEO Project
Village of Buffalo Grove
GHA Proposal No. 2024.M 47

625 Forest Edge Drive, Vernon Hills, IL 60061

TEL 847.478.9700 ■ FAX 847.478.9701

www.gha-engineers.com

Village of Buffalo Grove (Client), 51 Raupp Blvd., Buffalo Grove, IL 60089, and Gewalt Hamilton Associates, Inc. (GHA), 625 Forest Edge Drive, Vernon Hills, IL 60061, agree and contract as follows:

I. Project Understanding

The Village of Buffalo Grove wishes to prepare construction documents on behalf of Vernon Township for the 2025 Vernon Township Horatio Gardens DCEO Project. It is anticipated the project will be bid in December 2024. The estimated construction cost of the project, with contingency, is \$2,540,400.00. The project team consists of the Village of Buffalo Grove, Gewalt Hamilton Associates, Inc. (GHA), and Engineering Resource Associates, Inc. (ERA).

ERA will be responsible for updating the storm water model previously created for the Village to incorporate the proposed improvements associated with this project. GHA will then prepare final design and permitting for these storm water improvements.

GHA will also be responsible for the design and permitting of the roadway resurfacing at the following locations and limits:

- Celia Avenue from Pauline Avenue to W. Pope Blvd.
- Margaret Avenue from Pauline Avenue to W. Pope Blvd.
- Eugene Avenue from Pauline Avenue to W. Pope Blvd.
- Clarice Avenue from Pauline Avenue to W. Pope Blvd.
- Horatio Blvd. from Pauline Avenue to W. Pope Blvd.
- Elizabeth Avenue from Pauline Avenue to W. Pope Blvd.
- William Avenue from Pauline Avenue to W. Pope Blvd.
- Florence Avenue from Pauline Avenue to W. Pope Blvd.

It is anticipated that the plans previously prepared by BLA, Inc. will be incorporated into this project for the roadway reconstruction/resurfacing at the following locations and limits:

- Pauline Drive from Raymond Road to Carman Avenue
- Raphael Drive from Pauline Avenue to Carmen Avenue
- Carmen Avenue from Pauline Avenue to Raphael Avenue

II. Scope of Services

The scope of services is based upon our knowledge of the area, our review of the information furnished to us, and our extensive experience in preparing contract documents for water main improvement projects.

A. Existing Conditions and Topographic Survey

GHA shall provide an existing condition and topographic survey of the right-of-way (ROW). GHA will obtain benchmark data (NAVD 88) from the Village of Buffalo Grove, Lake/Cook County, or the USGS. All spot grades and contours will be referenced to NAVD88 Elevations. Our cost presumes a suitable benchmark will be located within 1,000' of the site. GHA's services for the survey will include:

1. Detailed schedule of the survey control with X, Y, and Z coordinates.
2. Locate all topographic features within the various project limits. This data will include curbs (including type of curb), pavements, driveways, sidewalks, visible property monuments, ROW line monuments and all visible utilities. The project limits will extend 25' beyond each leg of the intersecting streets. Each driveway will be surveyed with elevations provided to 10' past the sidewalk or ROW, wherever possible.
3. Location, size (diameter), direction of flow, pipe material type, rim and invert elevations of water, sanitary and storm utilities existing within the ROW, as evidenced by onsite observation. Confined space entry is not included in this scope of work.
4. Elevations will be obtained at all surveyed points. The cross-section data will include the back of sidewalk, street edge of sidewalk, top of curb, curb flow line, and centerline of pavement. Elevations will be obtained at each manhole, catch basin, and valve vault rim. At intersections, the flow line elevations for all curb returns, grade breaks, and locations 25', 50', and 100' distant will also be obtained.
5. Locate existing tree and brush lines in the ROW. Trees 6" in diameter or greater will be individually located (tagging and identification are not included).
6. Contact Joint Utility Location Information for Excavators (JULIE) to obtain copies of atlas maps identifying public utility information that may be located within the project area. This work does not include contacting JULIE for a field locate.
7. Establish the Public ROW and property lines within the limits of the survey work.

B. Final Engineering Design (Construction Documents) & Permitting Phase

Upon notice to proceed, GHA will provide the following services:

1. Meet with Village Staff to discuss the project. We anticipate up to four (4) meetings with Village staff throughout the design process. We have based our level of compensation on this number of meetings. Additional meetings requested by the Village will be billed as an additional service.
2. ERA will evaluate potential alternatives that have been identified in the Stormwater Master Plan. Working closely with Village and GHA staff ERA will evaluate alternatives and combinations of alternatives using the XPSWMM 2D modeling. Once a final design has been selected, ERA will update the model accordingly.

3. Preparation of final engineering plans to include a Title Sheet, Plans, General Notes and Details for Construction.
4. Preparation of project notes and contract specific directions for road improvements, including traffic control, working conditions, material specifications, coordination with public inspection agencies, and other coordination and construction information.
5. Preparation of a Storm Water Pollution Prevention Plan and NPDES Construction Site Activities permit application.
6. Preparation of an Engineer's Opinion of Probable Cost based on the completed final engineering plans and specifications.
7. Preparation of complete bid packages for distribution to contractors and the Village.
8. Respond to bidding questions and issue addenda as necessary.
9. Attend the bid opening, prepare a summary of the received bids, and make a recommendation for award of the contract.

C. Resident Engineering Services

Upon notice to proceed, GHA will provide the following services:

1. Preconstruction Meeting and Coordination
 - a. Prepare an agenda and lead the preconstruction meeting.
 - b. Provide meeting minutes to all attendees.
 - c. Review shop drawings (with Client input), schedule, subcontractors and all other preliminary information before starting work.
2. Construction Observation and Documentation
 - a. Full-time construction observation. The Village does not allow for Saturday work unless it creates an overall benefit to the residents. If it is permitted, then one full day is removed from the completion date.
 - b. Conduct weekly progress meetings and supply all attendees with meeting minutes.
 - c. Ensure all materials and procedures are in conformance with the contract, plans and specifications.
 - d. Maintain IDOT inspection rates.
 - e. Create a photo log of the construction process.
 - f. Communicate with all residents about their project related concerns.
 - g. Maintain daily documentation in accordance with IDOT's documentation of contract quantities and complete weekly reports for the contractor's and Village's use.
 - h. Create and agree to pay estimates with the contractor, and then provide recommendations to the Village.
 - i. If a field change or authorization is required, whether force account or agreed unit price, GHA will notify and advise the Client prior to making any decisions. In addition, our detailed documentation of the Contractor's daily activities will help provide sufficient

information to permit verification of the nature and costs of any changes in plans or authorized extra work.

- j. Other various tasks as needed to complete the project work.
- k. After the contractor has submitted notice of final completion in writing of the project the Village will walk the site with the contractor to assemble a punch list. The construction engineer will need to be present for this walk through and all of the contractor's effort in completing the punch list work. The Village will then complete the final walk through when all of the punch list work is complete. As the extent of punch list work is unknown at this time please use 160 hours of construction engineer time and 12 hours of project manager for this portion of the work.
- l. As a representative or liaison of the Village of Buffalo Grove, GHA staff understands the importance of our interface with the public, and will conduct all dealings with public officials, business owners, residents, and the traveling public with professionalism and courtesy.

D. Deliverables

The following will be delivered to the Village upon completion of the project:

- 1. Digital and paper copies of work performed by GHA.
- 2. Two copies of all engineering plan sets.
- 3. Bid specifications.

III. Additional Services, and Services not Included

We are prepared and would be pleased to provide additional assistance outside the scope described. These services may be provided at the request of the Village as an additional service.

- 1. Meetings with public officials, Village staff, agencies, homeowners, or consultants beyond those noted in the scope. Attendance at public hearings.
- 2. Performing surveying, mapping, plat and topographic work, including investigation of underground utilities and physical location of them.
- 3. Clean Construction or Demolition Debris (CCDD) testing, analysis, and certification.
- 4. Coordinating relocation of non-Village owned utilities.
- 5. Construction staking or any construction phase services.
- 6. Review fees or utility locate fees.

IV. Engineering Staff

Mr. Leo X. Morand, P.E. will function as the Project Executive. Additional professional and technical staff will provide support as needed.

V. Compensation for Services

Since a final scope of work still needs to be determined for the overall project, we have based our fee on the estimated construction cost of \$2,540,400.00 (This does not include the construction cost of the work shown on BLA's plans). GHA proposes to invoice the Village of Buffalo Grove on a not-to-exceed (NTE) fee (except as noted) as follows:

Service	NTE Fee
Existing Conditions Survey (2% of Construction Cost)	\$50,800.00
Construction Documents and Permitting (6% of Construction Cost)	\$152,400.00
Resident Engineering (12% of Construction Cost)	\$304,800.00
Estimated Reimbursable Expenses	\$5,000.00
NTE Fee + Reimbursables	\$513,000.00

Reimbursable expenses, including items such as printing, messenger service, truck usage, mileage etc., will be billed to the Client without markup. Invoices will be submitted monthly and will detail services performed.

VI. General Conditions

The delineated services provided by Gewalt Hamilton Associates, Inc., (GHA) under this Agreement will be performed as reasonably required in accordance with the generally accepted standards for civil engineering and surveying services as reflected in the contract for this project at the time when and the place where the services are performed.

Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or GHA. GHA's services under this Agreement are being performed solely for the Client's benefit, and no other party or entity shall have any claim against GHA because of this Agreement or the performance or nonperformance of services hereunder. In no event shall GHA be liable for any loss of profit or any consequential damages.

The Client and GHA agree that all disputes between them arising out of or relating to this Agreement or the Project shall be submitted to nonbinding mediation in Chicago, Illinois unless the parties mutually agree otherwise.

This Agreement, including all subparts and *Attachment A*, which is attached hereto and incorporated herein as the General Provisions of this Agreement, constitute the entire integrated agreement between the parties which may not be modified without all parties consenting thereto in writing.

By signing below you indicate your acceptance of this Agreement in its entirety.

Gewalt Hamilton Associates, Inc.

Village of Buffalo Grove



Leo X. Morand, P.E.

Name: _____

Director of Municipal Services

Title: _____

Date: _____

Encl.: Attachment A
Hourly Rates

**ATTACHMENT A TO GEWALT HAMILTON ASSOCIATES, INC.
PROFESSIONAL SERVICES AGREEMENT**

1. Standard of Care. The services provided by Gewalt Hamilton Associates, Inc., (GHA) under this Agreement will be reasonably performed consistent with the generally accepted standard of care for the Scope of Basic Services called for herein at the time when and the place where the services are provided. GHA will use reasonable care to comply with applicable codes and laws in effect at the time its services are provided.

2. Duration of Proposal. The terms of this Agreement are subject to renegotiation if not accepted within 60 calendar days of the date indicated on this Agreement. Requests for extension beyond 60 calendar days shall be made in writing prior to the expiration date. The fees and terms of this Agreement shall remain in full force and effect for one year from the date of acceptance of this Agreement, and shall be subject to revision at that time, or any time thereafter if GHA gives written notice to the other party at least 60 calendar days prior to the requested date of revision. In the event that the parties fail to agree on the new rates or other revisions, either party may terminate this Agreement as provided for herein.

3. Client Information. Client shall provide GHA with all project criteria and full information for its Scope of Basic Services. GHA may rely, without liability, on the accuracy and completeness of the information Client provides, including that of its other consultants, contractors and subcontractors, without independently verifying that information.

4. Payment. Payments are due within 30 calendar days after a statement is rendered. Statements not paid within 60 calendar days of the end of the calendar month when the statement is rendered will bear interest at the rate of one percent (1.0%) per month until paid. The provision for the payment of interest shall not be construed as authorization to pay late. Failure of the Client to make payments when due shall, in GHA's sole discretion, be cause for suspension of services without breach or termination of this agreement. Upon notification by GHA of suspension of services, Client shall pay in full all outstanding invoices within 7 calendar days. Client's failure to make such payment to GHA shall constitute a material breach of the Agreement and shall be cause for termination by GHA. GHA shall be entitled to reimbursement of all costs actually incurred by GHA in collecting overdue accounts under this Agreement, including, without limitations, attorney's fees and costs. GHA shall have no liability for any claims or damages arising from either suspension or termination of this Agreement due to Client's breach. The Client's obligation to pay for GHA's services is in no way dependent upon the Client's ability to obtain financing, rezoning, payment from a third party, approval of governmental or regulatory agencies or the Client's completion of the project.

5. Instruments of Service. The Client acknowledges GHA's plans and specifications, including field data, notes, calculations, and all documents or electronic data, are instruments of service. GHA shall retain ownership rights over all original documents and instruments of service. All instruments of service provided by GHA shall be reviewed by Client within 10 calendar days of receipt. Any deficiencies, errors, or omissions the Client discovers during this period will be reported to GHA and will be corrected as part of GHA's Basic Services. Failure to provide such notice shall constitute a waiver. The Client shall not reuse or make, or permit to be made, any modifications to the instruments of service without the prior written authorization of GHA. The Client waives all claims against GHA arising from any reuse or modification of the instruments of service not authorized by GHA. The Client agrees, to the fullest extent permitted by law, to defend and indemnify and hold GHA harmless from any liability, damage, or cost, including attorneys' fees, arising from the unauthorized reuse or modification of the instruments of service by any person or entity. The parties agree that if elements of the Scope of Basic Services identified in this Agreement are reduced and/or eliminated by Client, then Client waives, releases and holds GHA harmless from all claims and damages arising from those reduced and/or eliminated services. If GHA's Scope of Basic Services does not include construction administration phase services, Client assumes responsibility for interpretation of the instruments of service and construction observation, and waives all claims against GHA for any act, omission or event connected thereto. Unless included in GHA's Scope of Basic Services, GHA shall not be liable for coordination with of the services of Client's other design professionals.

6. Electronic Files. The Client acknowledges that differences may exist between the electronic files delivered and the printed instruments of service. In the event of a conflict between the signed / sealed printed instruments of service prepared by GHA and the electronic files, the signed / sealed instruments of service shall control. GHA's electronic files shall be prepared in the current software GHA uses and will follow GHA's standard formatting unless the Scope of Basic Services requires otherwise. Client accepts that GHA makes no warranty that its software will be compatible with other systems or software.

7. Applicable Codes. The Client acknowledges that applicable laws, codes and regulations may be subject to various, and possibly contradictory, interpretations. Client accepts that GHA does not warrant or guarantee that the Client's project will comply with interpretations of applicable laws, codes, and regulations as they may be interpreted to the project. Client agrees that GHA shall not be responsible for added project costs, delay damages, or schedule changes arising from unreasonable or unexpected interpretations of the laws, codes, or regulations applied to the project, nor for changes required by the permitting authorities due to changes in the law that became effective after completion of GHA's instruments of service. Client shall compensate GHA for additional fees required to revise the instruments of service to comply with such interpretations. Client shall also compensate GHA for additional fees required to revise the instruments of service if Client changes the project scope after GHA's completes its instruments of service.

8. Utilities and Soils. When the instruments of service include information pertaining to the location of underground utility facilities or soils, such information represents only the opinion of the engineer as to the possible locations. This information may be obtained from visible surface evidence, utility company records or soil borings performed by others, and is not represented to be the exact location or nature of these utilities or soils in the field. Client agrees that GHA may reasonably rely on the accuracy and completeness of information furnished by third parties respecting utilities, underground conditions and soils without performing any independent verification. Contractor is solely responsible for utility locations, their markings in the field and their placement on the plans based on information they provided. Client agrees GHA is not liable for damages resulting from utility conflicts, mistaken utility locates, unfavorable soils, and concealed or unforeseen conditions, including but not limited to added construction costs and/or project delays. If the Client wishes to obtain the services of a contractor to provide test holes and exact utility locations, GHA may incorporate that information into the design and reasonably rely upon it. If not included in the Scope of Basic Services, such work will be compensated as additional services.

9. Opinion of Probable Construction Costs. GHA's Scope of Basic Services may include the preparation of an opinion of probable construction costs. Client acknowledges that GHA has no control over the costs of labor, materials, or equipment, or over the contractor's methods of determining prices, or over competitive bidding or market conditions. Opinions of probable costs, shall be made on the basis of experience and qualifications applied to the project scope contemplated by this Agreement as well as information provided by Client (the accuracy and completeness of which GHA may rely upon), and represent GHA's reasonable judgment. Client accepts that GHA does not guarantee or warrant that proposals, bids, or the actual construction costs will not vary from opinions of probable cost prepared for the Client. GHA shall not be liable for cost differentials between the bid and/or actual costs and GHA's opinion of probable construction costs. Client agrees it shall employ an independent cost estimator if, based on its sole determination, it wants more certainty respecting construction costs.

10. Contractor's Work. Client agrees that GHA does not have control or charge of and is not responsible for construction means, methods, techniques, sequences or procedures, or for site or worker safety measures and programs including enforcement of Federal, State and local safety requirements, in connection with construction work performed by the Client or the Client's construction contractors. GHA is not responsible for the supervision and coordination of Client's construction contractors, subcontractors, materialmen, fabricators, erectors, operators, suppliers, or any of their employees, agents and representatives of such workers, or responsible for any machinery, construction equipment, or tools used and employed by contractors and subcontractors. GHA has no authority or right to stop the work. GHA may not direct or instruct the construction work in any regard. In no event shall GHA be liable for the acts or omissions of Client's construction contractors, subcontractors, materialmen, fabricators, erectors, operators or suppliers, or any persons or entities performing any of the work, or for failure of any of them to carry out their work as called for by the Construction Documents. The Client agrees that the Contractor is solely responsible for jobsite and worker safety and warrants that this intent shall be included in the Client's agreement with all prime contractors. The Client agrees that GHA and GHA's personnel and consultants (if any) shall be defended/indemnified by the Contractor for all claims asserted against GHA which arise out of the Contractor's or its subcontractors' negligence, errors or omissions in the performance of their work, and shall also be named as an additional insured on the Contractor's and subcontractors' general liability insurance policy. Client warrants that this intent shall be included in the Client's agreement with all prime contractors. If the responsible prime contractor's agreement fails to comply with the Client's intent, then the Client agrees to assume the duty to defend and indemnify GHA for claims arising out of the Contractor's or subcontractors' negligence, errors or omissions in the performance of their work.

11. Contractor Submittals. Shop drawing and submittal reviews by GHA shall apply only to the items in the submissions that concern GHA's scope of Basic Services and only for the purpose of assessing if, upon successful incorporation in the project, they are generally consistent with the GHA's Instruments of Service. Client agrees that the Contractor is solely responsible for the submissions and for compliance with the Instruments of Service. Owner agrees that GHA's review and action in relation to the submissions does not constitute the provision of means, methods, techniques, sequencing or procedures of construction or extend to jobsite or worker safety. GHA's consideration of a component does not constitute acceptance of an assembled item.

12. Hazardous Materials. Client agrees that GHA has no responsibility or liability for any hazardous or toxic materials, contaminants or pollutants.

13. Record Drawings. If required by the Scope of Basic Services, record drawings will be prepared which may include unverified information compiled and furnished by others, the accuracy and completeness of which GHA may reasonably rely upon. Client accepts that GHA shall not verify the information provided to it and agrees GHA will not be responsible for any errors or omissions in the record drawings due to incorrect or incomplete information furnished by others to GHA.

14. Disputes. Client agrees to limit GHA's total aggregate liability to the Client for GHA's alleged acts, errors or omissions to \$50,000 or the amount of GHA's paid fees for its services on the project, whichever is greater. GHA's liability to Client shall be limited to twelve months from the last invoice submitted to Client by GHA, regardless of payment by Client. GHA makes no guarantees or warranties, either expressed or implied, including any warranty of habitability or fitness for a particular purpose. The parties agree to waive all claims against the other for any and all consequential damages, including attorneys' fees. The parties agree to waive against each other all rights and claims otherwise covered by property insurance, by builder's risk insurance or by all risk insurance, including but not limited to subrogation rights regardless of whether the claims arise during or post-construction and regardless of final payment to GHA.

All disputes arising out of or relating to this Agreement shall first be negotiated between the parties. If unresolved, the dispute shall be submitted to mediation as a condition precedent to litigation. Mediation shall take place in Chicago, Illinois unless the Client and GHA mutually agree otherwise. The fees and costs of the mediator shall be apportioned equally between the parties. If mediation is unsuccessful, litigation shall be the form of dispute resolution and shall be filed in the jurisdiction where the project was pending. The controlling law shall be the law of the jurisdiction where the project was located. Client agrees that all causes of action under this Agreement shall be deemed to have accrued and all statutory limitations periods shall commence no later than the date of GHA's services being substantially completed. Client agrees that any claim against GHA arising out of this Agreement shall be asserted only against the entity and not against GHA's owners, officers, directors, shareholders, or employees, none of whom shall bear any liability and may not be subject to any claim.

15. Miscellaneous. Either Client or GHA may terminate this Agreement without penalty at any time with or without cause by giving the other party ten (10) calendar days prior written notice. The Client shall, within thirty (30) calendar days of termination pay GHA for all services rendered and all costs incurred up to the date of termination in accordance with compensation provisions of this Agreement. Client shall not assign this Agreement without GHA's prior written consent. There are no third-party beneficiaries to this Agreement.

GHA PROFESSIONAL SERVICES HOURLY RATE GUIDE:
2024

The following rates will remain in effect until December 31, 2024, at which time they are subject to an annual increase:

PRINCIPAL	\$ 264.00	ENGINEER TECHNICIAN V	\$ 200.00
SENIOR PROJECT MANAGER II	\$ 240.00	ENGINEER TECHNICIAN IV	\$ 166.00
SENIOR PROJECT MANAGER I	\$ 220.00	ENGINEER TECHNICIAN III	\$ 150.00
PROJECT MANAGER II	\$ 202.00	ENGINEER TECHNICIAN II	\$ 126.00
PROJECT MANAGER I	\$ 178.00	ENGINEER TECHNICIAN I	\$ 92.00
ENGINEER VI	\$ 212.00	LANDSCAPE ARCHITECT	\$ 180.00
ENGINEER V	\$ 192.00	DATA MANAGER	\$ 160.00
ENGINEER IV	\$ 182.00	DATA TECHNICIAN III	\$ 148.00
ENGINEER III	\$ 170.00	DATA TECHNICIAN II	\$ 132.00
ENGINEER II	\$ 152.00	DATA TECHNICIAN I	\$ 100.00
ENGINEER I	\$ 142.00	CAD MANAGER	\$ 220.00
LAND SURVEYOR IV	\$ 214.00	CAD TECHNICIAN III	\$ 154.00
LAND SURVEYOR III	\$ 176.00	CAD TECHNICIAN II	\$ 128.00
LAND SURVEYOR II	\$ 154.00	CAD TECHNICIAN I	\$ 100.00
LAND SURVEYOR I	\$ 136.00	ADMINISTRATIVE II	\$ 114.00
GIS TECHNICIAN IV	\$ 186.00	ADMINISTRATIVE I	\$ 92.00
GIS TECHNICIAN III	\$ 160.00	ACCOUNTING MANAGER	\$ 194.00
GIS TECHNICIAN II	\$ 130.00	ACCOUNTING II	\$ 144.00
GIS TECHNICIAN I	\$ 110.00	ACCOUNTING I	\$ 130.00
ENVIRONMENTAL CONSULTANT II	\$ 150.00		
ENVIRONMENTAL CONSULTANT I	\$ 138.00		

Services provided under this Agreement will be billed according to the rates in effect at the time services are rendered.

Attachment B

Conceptual Construction Cost Estimate

ENGINEER'S OPINION OF PROBABLE COST

NORTHWOOD STORM AND STREET IMPROVEMENTS

Village of Buffalo Grove, IL

GHA Project #: 4798.064

Date: 7/8/2024

Prepared by: Leo Morand

Checked by: Brian Wesolowski



625 Forest Edge Drive, Vernon Hills, IL 60061

TEL 847.478.9700 ■ FAX 847.478.9701

www.gha-engineers.com

Conceptual EOPC Summary - Vernon Township

OPTION 1 - GRANT FUNDING			
ACTIVITY	GRANT FUND	LOCAL FUND	TOTAL GRANT PROJECT COST
DRAINAGE IMPROVEMENTS	\$2,035,000.00	\$0.00	\$2,035,000.00
ROADWAY RESURFACING	\$210,000.00	\$295,400.00	\$505,400.00
SURVEY, DESIGN, & CONSTRUCTION ENGINEERING (20%)	\$505,000.00	\$8,000.00	\$513,000.00
LCSMC FEE (10% of Grant Value)	\$0.00	\$275,000.00*	\$275,000.00
TOTAL:	\$2,750,000.00	\$578,400.00	\$3,328,400.00

* Subject to waiver per LCSMC.

OPTION 2 - NO GRANT FUNDING	
ACTIVITY	NO GRANT, LOCAL FUND ONLY
DRAINAGE IMPROVEMENTS	\$0.00
ROADWAY RESURFACING	\$505,400.00
SURVEY, DESIGN, & CONSTRUCTION ENGINEERING (22.5%)	\$113,715.00
LCSMC FEE	\$0.00
TOTAL:	\$619,115.00

*Since Gewalt-Hamilton Associates Inc. Has No Control Over the Cost of Labor, Materials, or Equipment, or Over the Contractor's Methods of Determining Prices, or Over Competitive Bidding of Market Conditions, Opinions of Probable Costs, as Provided for Herein, Are to be Made on the Basis of Experience and Qualifications and Represent the Best Judgement as a Design Professional Familiar with the Construction Industry. Gewalt-Hamilton Associates, Inc., Cannot and Does Not Guarantee That Proposals, Bids, or The Construction Costs Will Not Vary From Opinions of Probable Cost Prepared for the Owner.

Attachment C

Village of Buffalo Grove & Lake County Stormwater Management Pre-Award IGA

INTERGOVERNMENTAL AGREEMENT
between the
LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
AND THE
VILLAGE OF BUFFALO GROVE
FOR THE
NORTHWOOD SUBDIVISION STORMWATER IMPROVEMENTS PHASE 1 AND HORATIO GARDENS
DRAINAGE IMPROVEMENTS PROJECTS

This is an agreement by and between the LAKE COUNTY STORMWATER MANAGEMENT COMMISSION (herein referred to as “SMC”), 500 West Winchester Road, Libertyville, Illinois 60048 and the Village of Buffalo Grove, (herein referred to as “Local Sponsor”, 50 Raupp Boulevard, Buffalo Grove, Illinois 60089.

RECITALS

Whereas, SMC and the Village of Buffalo Grove desire to work together on stormwater infrastructure projects to resolve drainage and flooding-related problems impacting the Village of Buffalo Grove by, among other things, applying for support via the Department of Commerce and Economic Opportunity – Stormwater Capital Improvement Program (“DCEO-STOCIP”).

Whereas, the parties hereto anticipate accomplishing their goals by and through support from the DCEO-STOCIP program in the form of a grant which the parties anticipate will be subject to the SMC DCEO-STOCIP Policies and Procedures including final grant agreement provisions between the State of Illinois, Department of Commerce and Economic Opportunity and Lake County like those addressed in the template agreement hereto as Attachment B and which the SMC will assist the DCEO by administering.

Whereas, because the projects depend upon an award being granted through the DCEO-STOCIP program, the parties desire to enter into this agreement to support the award of such a grant.

Agreement

Now, therefore, for good and valuable consideration, the sufficiency of which the parties hereby acknowledge, the parties hereby agree as follows:

1. **Recitals.** The foregoing recitals are incorporated as part of the parties’ agreement.
2. **Project Description.** The Northwood Subdivision Stormwater Improvements Project-Phase 1 and Horatio Gardens Drainage Improvement Project (“PROJECTS”) are located north of Armstrong Avenue, south of Pope Boulevard, east of Weiland Road and west of Wisconsin Central/Canadian National Railroad in the Village of Buffalo Grove and unincorporated Vernon Township, Illinois and are expected to consist of storm sewer removal and installation, earth excavation, and road reconstruction/rehabilitation (“PROJECT SCOPE”), which is more fully described in Attachment A. The purpose of the PROJECTS is to reduce flood damage and impacts within the Village of Buffalo Grove and unincorporated Vernon Township while also improving associated infrastructure. The scale and scope of associated improvements beyond the flood reduction improvements are entirely under the control of the Local Sponsor, provided their inclusion does not jeopardize the use of DCEO funding.
3. **Funding.** The PROJECTS are contingent upon a DCEO-STOCIP grant being awarded and budget appropriation by the Lake County Board. It is expressly understood and agreed that in the event that the DCEO-STOCIP grant is not awarded and SMC and the Village of Buffalo do not enter into a subsequent agreement per the RECITALS above providing for reimbursement of grant funds to the Village, then the Village of Buffalo Grove shall not have any funding or other responsibility under this agreement or for the Projects. Additionally, if Vernon Township is unable to participate, the Horatio Gardens project may be removed from this agreement through an amendment as described below and/or may be removed from

any subsequent agreement. Should such a grant be awarded and provided that all grant funds applied for are obligated by a funding agreement between SMC and the Village of Buffalo Grove, the parties agree that funding for the PROJECTS shall be as follows:

- a. **Project Expense Match.** A Project Expense Match (“PEM”) of \$364,031.25 will be paid by the Local Sponsor to SMC to support administrative and engineering services required for the Northwood Subdivision Stormwater Improvements Project-Phase 1. The PEM shall be paid to SMC in-full within the later of 120 days of the execution of an Intergovernmental Agreement or upon receipt of a DCEO grant agreement and obligation of full grant funds by agreement between SMC and Local Sponsor for the PROJECTS, as identified in paragraph 5. The PEM is based upon the following: The low/moderate income percentage in the census block of the project expressed as a decimal (0.1175) subtracted from one (1), the difference of which is multiplied by the maximum 15% Project Expense Match rate allowed per program policy, expressed as a decimal (0.15), multiplied by the amount of grant funding requested for the Northwood Subdivision Stormwater Improvements Project-Phase 1 (\$2,750,000), or, expressed numerically: $(1-(0.1175)) \times 0.15 \times \$2,750,000 = \$364,031.25$.
 - b. The parties understand that the PROJECTS, will proceed only if funded by a grant from DCEO, and all grant funds, up to an amount of \$2,750,000 for the Northwood Subdivision Project and up to an amount of \$2,750,000 for the Horatio Gardens Project, are obligated by agreement between SMC and Local Sponsor. Parties understand that project funding is contingent upon SMC’s receipt of funding from DCEO, Local Sponsor’s compliance with the terms of any applicable DCEO-SMC Grant Agreement, compliance with terms and conditions of DCEO-STOCIP program, completion of any construction grant reimbursement requirements, and compliance with all applicable federal and state laws and regulations.
 - c. This agreement and project funding do not prohibit the Local Sponsor from applying for additional funding for this project phases or future project phases with SMC or any other agency.
4. **Project Management and Responsibilities for Project.** The LOCAL SPONSOR will be the Project Manager for the PROJECTS.
 5. **Project Completion and future agreement.** Should the DCEO award a grant supporting the PROJECTS, the Local Sponsor agrees to proceed with completion of the PROJECTS within the timeframe required by said grant and, further, the parties agree to enter into an agreement substantially similar to the one attached hereto as Attachment B, adjusted as may be required to comply with any and all grant requirements as well as any other applicable contractual or legal requirements.
 6. **Project Agreements.** If the Local Sponsor is unable to reach independent agreements with the Township, Park District and other associated agencies which are required to complete the specified scope of work, this agreement may be nullified by the Local Sponsor.
 7. **Amendments.** This Agreement will be in effect until 12/31/2026, or until the date of execution of the project funding agreement identified in Paragraph 5, whichever is sooner, and may be modified or amended by mutual consent of the Parties, expressed in writing and signed by the Parties, provided the amendments comply with the final grant agreement with DCEO.
 8. **Severability.** If any provision of the Agreement is declared invalid, its other provisions shall not be affected thereby.
 9. **Applicable Law; Claims.** This Agreement and all subsequent amendments thereto, if any, shall be governed and construed in accordance with the laws of the state of Illinois. Any claim against SMC arising out of this Agreement must be filed exclusively with the Nineteenth Judicial Circuit Court of Illinois.
 10. **Headings.** Article and other headings contained in this Agreement are for reference purposes only and are not intended to define or limit the scope, extent or intent of this Agreement or any provision hereof.
 11. **Entire Agreement.** SMC and Local Sponsor acknowledge that this Agreement, including its Exhibits and Attachments, constitutes the entire agreement between them and that no promises, terms, or conditions not recited, incorporated or referenced herein, including prior agreements or oral discussions, shall be binding upon either SMC or Local Sponsor.
 12. **Counterparts.** This Agreement may be executed in one or more counterparts, each of which shall be considered to be one and the same agreement, binding on all Parties hereto, notwithstanding that all Parties are not signatories to the same counterpart. Duplicated signatures, signatures transmitted via

facsimile, or signatures contained in a Portable Document Format (PDF) document shall be deemed original for all purposes.

- 13. Notices.** All notices required or permitted hereunder shall be in writing, and delivered either personally or by certified or registered mail, return receipt requested, to the following addresses or sent by electronic mail ("e-mail") to the following contact addresses:

If to Local Sponsor contact:

Kyle Johnson, Assistant Public Works Director/Village Engineer
Village of Buffalo Grove
51 Raupp Boulevard
Buffalo Grove, IL 60089
Phone: 847-459-2545
Email: KJohnson@vbg.org

If to SMC contact:

Mike Prusila, Planning Supervisor
Lake County Stormwater Management Commission
500 W. Winchester Road
Libertyville, IL 60048
Phone: 847-377-7700
Email: mprusila@lakecountyil.gov

IN WITNESS WHEREOF, the Stormwater Management Commission and Village of Buffalo Grove have caused this Agreement to be executed by their duly authorized representatives.

VILLAGE OF BUFFALO GROVE

Eric N. Smith, President,
Village of Buffalo Grove

Date

STORMWATER MANAGEMENT COMMISSION:

Kurt Woolford, Executive Director
Lake County Stormwater Management Commission

Date

Attachment A
[PROJECT SCOPE]

The Northwood Subdivision Stormwater Improvements Phase 1 Project consists of drainage and associated infrastructure improvements to the area bounded by roughly Pauline Avenue, Canadian National Railway, Armstrong Drive, and Weiland Road within the Village of Buffalo Grove.

The Horatio Gardens Drainage Improvements Project consists of drainage and associated infrastructure improvements to the area bounded by roughly Pauline Avenue, Canadian National Railway, Pope Boulevard, and Weiland Road within Vernon Township.

Attachment B
[Template IGA agreement]

ILLINOIS DEPARTMENT OF COMMERCE AND ECONOMIC OPPORTUNITY
STORMWATER CAPITAL IMPROVEMENT PROGRAM (DCEO-STOCIP)
INTERGOVERNMENTAL AGREEMENT
between the
LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
AND THE

FOR THE

This is an agreement by and between the LAKE COUNTY STORMWATER MANAGEMENT COMMISSION (herein referred to as "SMC"), 500 West Winchester Road, Libertyville, Illinois 60048 and [Local Sponsor], (herein referred to as "Local Sponsor", [insert address]).

ARTICLE I
AWARD AND SMC/LOCAL SPONSOR – SPECIFIC PROJECT INFORMATION

1.1 Purpose. The DCEO-STOCIP Program's primary role is to assist in implementing regional stormwater infrastructure projects to resolve multi-jurisdictional drainage and flooding-related problems discovered through interactions of SMC personnel with the public, local governments, and other project partners. Projects will be consistent with the program requirements set forth by DCEO and the SMC DCEO-STOCIP Policies and Procedures and this document. The intent of DCEO-STOCIP is to resolve major flooding problems through the allocation of capital infrastructure funding across Lake County's four major watersheds: the Fox River, Des Plaines River, North Branch Chicago River, and Lake Michigan. Over the life of the program the funding distribution will take into account the equalized assessed valuation (EAV) of the property within each major watershed; while utilizing the CMAP Principles of Inclusive Growth, Resilience, and Prioritized Investment with regard to distribution to local government and political jurisdictions; and give consideration of the SMC Enhanced Environmental Justice areas.

1.2 Project Description. The [ENTER PROJECT NAME HERE] ("PROJECT") is located _____ (refer to Exhibit 1). The PROJECT scope consists of _____ (refer to Exhibit 2).

1.3 Amount of Grant Contribution. Through this Agreement, SMC agrees to contribute, by means of reimbursement, eligible project expenses in an amount not to exceed \$_____ from the Illinois Department of Commerce and Economic Opportunity (DCEO) Grant for implementation of the PROJECT. SMC Reimbursement is contingent upon funding from DCEO, Local Sponsor's compliance with the terms of the DCEO-SMC Grant Agreement, compliance with terms and conditions of DCEO-STOCIP program, and compliance with all applicable federal and state laws and regulations.

1.4 Required Project Expense Match. A Project Expense Match ("PEM") of \$_____ will be paid by the Local Sponsor to SMC to support administrative and engineering services. The PEM shall be paid to SMC by _____. If this Agreement is terminated, PEM costs shall be determined as set forth in Section 6.6.c.

1.5 Project Management and Responsibilities for Project. Program management and assigned responsibilities for all PROJECT phases is detailed in the Scope of Work Tasks set forth on Attachment A and incorporated herein. The [SELECT ONE: LOCAL SPONSOR / SMC] is the Project Manager for the PROJECT.

1.6 Project Budget and Expense Responsibilities. PROJECT expense responsibilities for all Scope of Work Tasks (Attachment A) are specified in the Project Budget in accordance with DCEO Capital Budget Line Item Categories as set forth in Attachment B and incorporated herein.

1.7 Project Schedule. The Project Schedule associated with all Scope of Work Tasks (Attachment A) is specified on Attachment C and incorporated herein.

ARTICLE II
PURPOSE FOR GRANT

2.0 Purpose for Grant. [INSERT PURPOSE FOR GRANT] Implementation of this PROJECT would provide flood mitigation benefits for the properties, businesses, and roadways as shown in the damage analysis table below.

ARTICLE III
SMC TERMS AND CONDITIONS

3.1 Regulatory Compliance. The PROJECT shall comply with any and all terms and obligations imposed by any grant that may be awarded pursuant to the DCEO-STOCIP program, as well as the Lake County Watershed Development Ordinance (WDO) or local standards if more restrictive, and all regulations, laws, and statutes. It is the responsibility of the Local Sponsor to ensure that all necessary permits are secured prior to the implementation of the PROJECT. Work within public road rights-of-way shall not be performed without appropriate permits or authorization from the jurisdictional Road Authority.

3.2 National Flood Insurance Program (NFIP). Local Sponsor shall be a member and in good standing with the NFIP and comply with SMC policies.

3.3 Landowner Agreements. The Local Sponsor shall enter into appropriate legally binding arrangements to ensure that any and all land rights that may be necessary for operation and maintenance procedures contemplated by this PROJECT are possible in perpetuity during and after the PROJECT's completion. All easements must be obtained prior to the start of construction. Documentation showing that the Local Sponsor has obtained the necessary deed or plat restrictions to construct and maintain the PROJECT shall be provided to SMC prior to start of the PROJECT. The cost of obtaining landowner agreements shall not be included in the PROJECT Budget (Attachment B), although the value of the PROJECT land rights may be added to the overall PROJECT cost. PROJECTS must be located on real property in which the Local Sponsor has interest evidenced by valid title or easement, extending in perpetuity. Neither SMC funding nor any DCEO-STOCIP funding awarded for this PROJECT shall be used to pay for any easements or deed or plat restrictions necessary to implement the PROJECT on property that is benefiting from the PROJECT, any such costs shall be the sole responsibility of the Local Sponsor.

3.4 Operation and Maintenance Plan. The Project Manager shall develop an Operation and Maintenance Plan (O & M Plan) for the PROJECT implemented under this Agreement to ensure its long-term viability. The O & M Plan shall include annual inspections and appropriate maintenance activities and shall be provided along with the project final report as described in Section 3.8 below. The O & M Plan shall identify the financial resources necessary for the implementation of the O & M Plan. Local Sponsor shall have the responsibility for maintenance of the PROJECT in perpetuity. O & M costs incurred that are not included in [Attachment B, Item DCEO-10, "Other Construction Expenses,"] or occur after the term of this Agreement, as specified in Section 6.1, are not eligible for reimbursement.

3.5 PROJECT Implementation. Only Project Expenses specified in [Attachment B] that are incurred during the term of this Agreement and, if the DCEO awards a grant for this PROJECT, after DCEO approval and execution of the project Agreement, can be reimbursed.

3.6 PROJECT Modification. Modifications to the Scope of Work Tasks on Attachment A and Project Schedule on Attachment C must be approved in writing by SMC and may require approval of DCEO.

3.7 PROJECT Coordination. The Project Manager shall provide PROJECT coordination and progress briefings as requested by [SMC/Local Sponsor] during the course of the PROJECT. Project Manager shall provide [SMC/Local Sponsor] monthly PROJECT Performance and Financial reports, based on DCEO reporting requirements, showing the progress of PROJECT implementation and financial summary for each Task/Phase of the PROJECT in accordance with the Project Schedule (Attachment C). Reports shall be submitted via email to the [SMC/Local Sponsor] Contact by the 7th day of the following month throughout the term of this Agreement. Frequency of reporting requirements may be changed by [SMC/Local Sponsor] as required or allowed by DCEO.

3.8 PROJECT Evaluation and Report. The Project Manager shall provide a final report consisting of the following: an introduction; PROJECT description including pre- and post-conditions, methods of PROJECT installation; a summary of the bid quantities installed; and a final expenditure report for the PROJECT which includes a cost summary. Attachments to the final report shall include a location map; the approved as-built plan; Operations and Maintenance Plan; photographic documentation of pre-project, during construction and final conditions; copies of all required permits; and invoices and/or cost documentation for all PROJECT work including in-kind work and materials. Report requirements are subject to change based on guidance from DCEO. SMC will provide the Local Sponsor with a DCEO approved template for the final report. A final report which complies with the provisions of this Section must be provided to SMC within 30 days after completion of the PROJECT, and no later than _____, whichever is earlier. Final reimbursement request will not be paid until the final report is received.

3.9 PROJECT Audit. SMC may audit any PROJECT for completeness of DCEO-STOCIP funded work products or deliverables, adherence to agreed schedules or extensions, and appropriateness of DCEO-STOCIP fund expenditures. Incomplete work products or deliverables, delays or beyond agreed deadlines may result in forfeiture of grant funding pursuant to the executed PROJECT agreement and/or a determination of ineligibility for the Local Sponsor, its authorized agents, representatives, and assigns to apply for future grants.

ARTICLE IV

DEPARTMENT OF COMMERCE AND ECONOMIC OPPORTUNITY (DCEO) TERMS AND CONDITIONS

This Article incorporates Terms and Conditions required by DCEO ("Grantor" for purposes of this Article) for Intergovernmental Agreements between SMC and Local Sponsors.

4.1 Lobbying Certification by Sub-awardees. Pursuant to ARTICLE XI of the DCEO Grant Agreement between SMC and Grantor, the following provisions are incorporated into this Agreement. Local Sponsor is also subject to certification and disclosure, as required by the final grant agreement from DCEO. Local Sponsor agrees that pursuant to Appendix II(I) to 2 CFR Part 200, SMC shall forward all disclosures by contractors regarding this certification to Grantor.

4.1.a. Improper Influence. Local Sponsor certifies that no Grant Funds have been paid or will be paid by or on behalf of it to any person for influencing or attempting to influence an officer or employee of any government agency, a member of Congress or Illinois General Assembly, an officer or employee of Congress or Illinois General Assembly, or an employee of a member of Congress or Illinois General Assembly in connection with the awarding of any agreement, the making of any grant, the making of any loan, the entering into of any cooperative agreement, or the extension, continuation, renewal, amendment or modification of any agreement, grant, loan or cooperative agreement. 31 USC 1352. Additionally, Local Sponsor certifies that it has filed the required certification under the Byrd Anti-Lobbying Amendment (31 USC 1352), if applicable.

4.1.b. Federal Form LLL. If any funds, other than federally-appropriated funds, were paid or will be paid to any person for influencing or attempting to influence any of the above persons in connection with this Agreement, the undersigned must also complete and submit Federal Form LLL, Disclosure of Lobbying Activities Form, in accordance with its instructions and submit a copy to the SMC.

4.1.c. Lobbying Costs. Local Sponsor certifies that it is in compliance with the restrictions on lobbying set forth in 2 CFR 200.450. For any Indirect Costs associated with this Agreement, total lobbying costs shall be separately identified in the Program Budget, and thereafter treated as other Unallowable Costs.

4.1.d. Procurement Lobbying. Local Sponsor warrants and certifies that it and, to the best of its knowledge, its sub-awardees have complied and will comply with Executive Order No. 1 (2007) (EO 1-2007). EO 1-2007 generally prohibits grantees, sub-awardees, and subcontractors from hiring the then-serving Governor's family members to lobby procurement activities of the State, or any other unit of government in Illinois including local governments, if that procurement may result in a contract valued at over \$25,000. This prohibition also applies to hiring for that same purpose any former State employee who had procurement authority at any time during the one-year period preceding the procurement lobbying activity.

4.1.e. Certification. This certification is a material representation of fact upon which reliance was placed to enter into this Agreement and is a prerequisite for this Agreement, pursuant to 31 USC 1352. Any person who fails to file the required certifications shall be subject to a civil penalty of not less than \$10,000, and not more than \$100,000, for each such failure.

4.2 Maintenance and Accessibility of Records; Monitoring.

4.2a. Records Retention. Local Sponsor shall maintain for ten (10) years from the date of submission of the final expenditure report for the PROJECT adequate books, all financial records and, supporting documents, statistical records, and all other records pertinent to the PROJECT, the DCEO Award and this Grant Contribution, adequate to comply with 2 CFR 200.333, unless a longer retention period is specified in 2 CFR 200.333 or 44 Ill. Admin. Code §§ 7000.430(a) and (b). If any litigation, claim or audit is started before the expiration of the retention period, the records must be retained until all litigation, claims or audit exceptions involving the records have been resolved and final action taken.

4.2.b. Accessibility of Records. Local Sponsor, in compliance with 2 CFR 200.337 and 44 Ill. Admin. Code 7000.430(e), shall make books, records, related papers, supporting documentation and personnel relevant to this Agreement available to authorized Grantor representatives, the Illinois Auditor General, Illinois Attorney General, any Executive Inspector General, the Grantor's Inspector General, federal authorities, any person identified in 2 CFR 200.337, SMC, and any other person as may be authorized by Grantor (including auditors), by the state of Illinois or by federal statute. Local Sponsor shall cooperate fully in any such audit or inquiry.

4.2.c. Failure to Maintain Books and Records. Failure to maintain books, records and supporting documentation, as described in this Section 4.2, shall establish a presumption in favor of the State and SMC for the recovery of any funds paid or contributed by the State or SMC under this Agreement for which adequate books, records and supporting documentation are not available to support disbursement.

4.3 Subcontracts/Sub-Grants.

4.3.a. Local Sponsor/Delegation. Local Sponsor may not delegate any of its duties under this Agreement without Prior Approval of SMC and, if necessary, Grantor.

4.3.b. Application of Terms. Local Sponsor shall advise any subcontractor or subgrantee of any requirements imposed on them by federal and state laws and regulations, and the provisions of any DCEO-SMC Grant Agreement, should the DCEO award a grant to support this PROJECT. In all agreements between Local Sponsor and subcontractors or subgrantees, SMC requires that all Local Sponsors adhere to the terms of the DCEO-SMC Grant Agreement.

4.3.c. Domestic Preference for Procurements. In accordance with the DCEO-SMC Grant Agreement and with 2 CFR 200.322, as appropriate and to the extent otherwise consistent with law, the Local Sponsor should, to the greatest extent practicable under this Award, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The requirements of this paragraph must be included in all subawards and in all contracts and purchase orders for work or products under this Agreement and the DCEO Award.

4.4 Additional Monitoring Provisions

4.4.a. Access to Documentation. The Grant Contribution will be monitored for compliance in accordance with the terms and conditions of this Agreement and the DCEO-SMC Grant Agreement, together with appropriate programmatic rules, regulations, and/or guidelines that SMC or the Grantor promulgates or implements. The Local Sponsor must permit any agent authorized by the Grantor or SMC, upon presentation of credentials, in accordance with all methods available by law, full access to and the right to examine any document, papers and records either in hard copy or electronic format, of the Local Sponsor involving transactions relating to this Award.

4.4.b. Cooperation with Audits and Inquiries, Confidentiality. Pursuant to Section 4.2, above, the Local Sponsor is obligated to cooperate with SMC and the Grantor and other legal authorities in any audit or inquiry related to the Grant Contribution. The Grantor or any other governmental authority conducting an audit or inquiry may require the Local Sponsor to keep confidential any audit or inquiry and to limit internal disclosure of the audit or inquiry to those Local Sponsor personnel who are necessary to support the Local Sponsor's response to the audit or inquiry. This confidentiality requirement shall not limit Local Sponsor's right to discuss an audit or inquiry with its legal counsel. If a third party seeks to require the Local Sponsor, pursuant to any law, regulation, or legal process, to disclose an audit or inquiry that has been deemed confidential by the Grantor or other governmental authority, the Local Sponsor shall promptly notify the entity that is conducting the audit or inquiry of such effort so that the entity that is conducting the audit or inquiry may seek a protective order, take other appropriate action, or waive compliance by the Local Sponsor with the confidentiality requirement.

ARTICLE V

PROCUREMENT REQUIREMENTS AND CERTIFICATION

5.1 Application of Terms. The Local Sponsor agrees to comply with applicable federal and state laws and regulations and terms and conditions of the DCEO-SMC Grant Agreement and all license requirements or professional certification provisions. Local Sponsor shall also advise sub-contractors of the requirement to comply

with such. By signing this Agreement, Local Sponsor acknowledges receipt of a copy of the DCEO-SMC Grant Agreement.

5.2 Additional Terms and Conditions. Local Sponsor understands and agrees that its failure to comply with the requirements of DCEO Terms and Conditions set forth in Article IV above and in the DCEO-SMC Grant Agreement may impact reimbursement for the PROJECT. If Local Sponsor's failure to comply with DCEO-SMC Grant Agreement Terms and Conditions decreases available funding, the Local Sponsor will not be reimbursed for ineligible PROJECT costs from SMC and may be required to reimburse ineligible costs to SMC or Grantor.

5.3 Business Enterprise Program. DCEO requires that a Business Enterprise Program Utilization Plan be completed for the project prior to reimbursement of State (DCEO) funds. Local partner shall provide the information required on the Utilization Plan template. The template form will be provided by SMC. DCEO must approve the Utilization Plan prior to any reimbursement request from local sponsor.

5.4 Certification of Invoices and Reports. Each invoice and report submitted by Local Sponsor must contain the following certification by an official authorized to legally bind the Local Sponsor:

By signing this report [or payment request or both], I certify to the best of my knowledge and belief that the report [or payment request] is true, complete, and accurate; that the expenditures, disbursements and cash receipts are for the purposes and objectives set forth in the terms and conditions of the State or federal pass-through award; and that supporting documentation has been submitted as required by the grant agreement. I acknowledge that approval for any other expenditure described herein shall be considered conditional subject to further review and verification in accordance with the monitoring and records retention provisions of the grant agreement. I am aware that any false, fictitious, or fraudulent information, or the omission of any material fact, may subject me to criminal, civil or administrative penalties for fraud, false statements, false claims or otherwise. (U.S. Code Title 18, Section 1001 and Title 31, Sections 3729-3730 and 3801-3812; 30 ILCS 708/120).

5.5 Certification of Agreement Terms. By signing below, Local Sponsor certifies that (1) all representations made in this Agreement are true and correct and (2) all Grant Contributions received pursuant to this Agreement shall be used only for the purpose(s) described herein and in accordance with the terms of this Agreement and the DCEO-SMC Grant Agreement. Local Sponsor acknowledges that the Grant Contribution provided is made solely upon this certification and that any false statements, misrepresentations, or material omissions shall be the basis for immediate termination of this Agreement and repayment of all Grant Contribution funds received.

ARTICLE VI TERM; COMPENSATION; TERMINATION

6.1 Term of Agreement. Pursuant to the DCEO-SMC Grant Agreement and the Terms and Conditions herein, this Agreement begins on _____, _____ and extends through _____, _____; however, extensions up to one year can be requested subject to DCEO and SMC approval. Extensions must be requested from SMC at least 90-days prior to the termination of this Agreement. Under no circumstances can the project completion date be extended beyond _____. Project expenses cannot be submitted for reimbursement from SMC or DCEO which are incurred after the grant agreement completion date. Notwithstanding this section, the PEM payment deadline specified in Section 1.4 is not eligible for extension.

6.2 Availability of Grant Appropriation. Funding for the PROJECT is contingent upon execution of the funding award by DCEO and SMC. Pursuant to the DCEO-SMC Grant Agreement and the Terms and Conditions herein, DCEO funding shall reimburse eligible PROJECT Expenses incurred by either the Local Sponsor or SMC, up to a NOT TO EXCEED value of \$_____. PROJECT expenses that exceed \$_____ are not reimbursable and shall be paid by the Local Sponsor.

6.3 Completion of PROJECT Activities. The Parties shall conduct the Project Activities or provide the services as described in the Exhibits and Attachments, including Attachment A (Scope of Work Tasks) and Attachment B (Project Expenses) and within the time period outlined in the Project Schedule (Attachment C), incorporated herein and in accordance with all terms and conditions set forth herein and all applicable administrative rules.

6.4 PROJECT Payments. Project payments for the successful completion of Project Activities, shall be paid for pursuant to applicable policies and statutes. The Local Sponsor shall be responsible for making payments to its contractor(s) and shall apply for reimbursement for eligible project expenses to the SMC.

6.5 PROJECT Payment Reimbursement. Reimbursement for project payments is subject to the PROJECT's, Local Sponsor's, Contractor's and Subcontractor's, and SMC's adherence to this Agreement and DCEO-SMC Grant Agreement Terms and Conditions set forth in Articles IV and V of this Agreement. Reimbursement requests shall be submitted with the monthly Performance and Financial report by the 7th day of the following month throughout the Agreement period, or as otherwise specified by SMC as allowed by DCEO. In all circumstances, PROJECT contractual obligations shall not be executed after _____, _____, and the PROJECT shall be fully paid out by _____, _____, or as, in its sole discretion, such dates may be extended by DCEO. Failure of Local Sponsor to timely submit a payment request will render the amounts billed unallowable cost which SMC cannot reimburse.

6.6 Termination of Agreement.

6.6.a. This Agreement may be terminated, in whole or in part, by either party for any or no reason upon thirty (30) calendar days' written notice to the other Party. If terminated by Local Sponsor, Local Sponsor must include the reasons for such termination, the effective date, and, in the case of partial termination, the portion to be terminated. If SMC determines in the case of partial termination that the reduced or modified portion of the Grant Contribution will not accomplish the purposes for which the grant was made, SMC may terminate the Agreement in its entirety.

6.6.b. This Agreement may be terminated, in whole or in part, by SMC without notice, pursuant to: (1) funding failure from DCEO; (2) Local Sponsor's failure to comply with terms and conditions of this Agreement or Local Sponsor has made a false representation in connection with receipt of compensation; (3) Local Sponsor's breach of this Agreement and failure to cure such breach, or commence cure of the breach, within 15 days of written notice thereof.

6.6.c. The termination of the Agreement in part shall not eliminate the amount of PEM costs Local Sponsor shall pay to SMC. In the event of termination of the Agreement in whole, PEM costs will be reduced to an amount sufficient to compensate SMC for any time spent administering the PROJECT prior to termination as determined by SMC, which amount Local Sponsor acknowledges and agrees may be the entire amount of the projected PEM.

ARTICLE VII
INDEMNIFICATION

7.1 Independent Contractor. Local Sponsor is an independent contractor under this Agreement and neither Local Sponsor nor or any employee or agent of Local Sponsor is an employee of DCEO or SMC and do not acquire any employment rights with DCEO or SMC or the state of Illinois by virtue of this Agreement or receipt of DCEO Grant funds. Local Sponsor will provide the agreed services and achieve the specified results free from direction or control by SMC as to the means and methods of performance. Local Sponsor and any subcontractors will be required to provide their own equipment and supplies necessary to conduct their business; provided, however, that in the event, for its convenience or otherwise, SMC makes any such equipment available to Local Sponsor, Local Sponsor's use of such equipment or supplies provided by SMC pursuant to this Agreement shall be strictly limited to official SMC or state of Illinois business and not for any other purpose, including benefit or gain.

7.2 Indemnification. To the extent permitted by law, Local Sponsor agrees to hold harmless SMC against any and all liability, loss, damage, cost or expenses, including attorney's fees, arising from intentional torts, negligence or breach of contract of Local Sponsor relating to the PROJECT or this Agreement, with the exception of acts performed in accordance with an explicit, written directive of SMC.

ARTICLE VIII
NOTICES

All notices required or permitted hereunder shall be in writing, and delivered either personally or by certified or registered mail, return receipt requested, to the following addresses or sent by electronic mail ("e-mail") to the following contact addresses:

If to Local Sponsor contact:

[INSERT LOCAL SPONSOR CONTACT INFORMATION]

If to SMC contact:

Michael Prusila, Planning Supervisor
Lake County Stormwater Management Commission
500 W. Winchester Road
Libertyville, IL 60048
Phone: 847-377-7700
Email: mprusila@lakecountyil.gov

ARTICLE IX MISCELLANEOUS

9.1 Exhibits and Attachments. Attachments A through C and the exhibits referenced herein and attached hereto are incorporated herein in their entirety.

9.2 Publicity and Notification. Funds from this Agreement shall not be used for promotions, advertising or publicity purposes. Any press releases, printed notices, publications and the like shall include the following language: "This project [is being] [was] supported, in whole or in part, by federal award number SLT-3381 awarded to the State of Illinois by the U.S. Department of the Treasury." Local Sponsor will notify SMC at least twenty-one (21) days prior to issuing any public notice or press release concerning the PROJECT or work performed under this Agreement.

9.3 Assignment Prohibited. Local Sponsor acknowledges that this Agreement may not be sold, assigned, or transferred in any manner by Local Sponsor, to include an assignment of Local Sponsor's rights to receive payment hereunder, and that any actual or attempted sale, assignment, or transfer by Local Sponsor without the prior approval of SMC in writing shall render this Agreement null, void and of no further effect.

9.4 Amendments. This Agreement may be modified or amended during its Term by mutual consent of the Parties, expressed in writing and signed by the Parties, provided the amendments comply with the final grant agreement with DCEO.

9.5 Severability. If any provision of the Agreement is declared invalid, its other provisions shall not be affected thereby.

9.6 Applicable Law; Claims. This Agreement and all subsequent amendments thereto, if any, shall be governed and construed in accordance with the laws of the state of Illinois. Any claim against SMC arising out of this Agreement must be filed exclusively with the Nineteenth Judicial Circuit Court of Illinois.

9.7 Headings. Article and other headings contained in this Agreement are for reference purposes only and are not intended to define or limit the scope, extent or intent of this Agreement or any provision hereof.

9.8 Entire Agreement. SMC and Local Sponsor acknowledge that this Agreement, including its Exhibits and Attachments, constitutes the entire agreement between them and that no promises, terms, or conditions not recited, incorporated or referenced herein, including prior agreements or oral discussions, shall be binding upon either SMC or Local Sponsor.

9.9 Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be considered to be one and the same agreement, binding on all Parties hereto, notwithstanding that all Parties are not signatories to the same counterpart. Duplicated signatures, signatures transmitted via facsimile, or signatures contained in a Portable Document Format (PDF) document shall be deemed original for all purposes.

IN WITNESS WHEREOF, the Stormwater Management Commission and _____ have caused this Agreement to be executed by their duly authorized representatives.

LOCAL SPONSOR

_____ [Name of person with authority and their position, Name of Local Sponsor]	_____ Date
---	---------------

STORMWATER MANAGEMENT COMMISSION:

_____ Kurt Woolford, Executive Director Lake County Stormwater Management Commission	_____ Date
--	---------------

Exhibit 1
Site Location Map

Exhibit 2
Concept Plan

Attachment A

Scope of Work Tasks

[illegible]

Attachment B Budget

[illegible]

Attachment C
Schedule

Attachment D
Ownership Exhibit

Legend

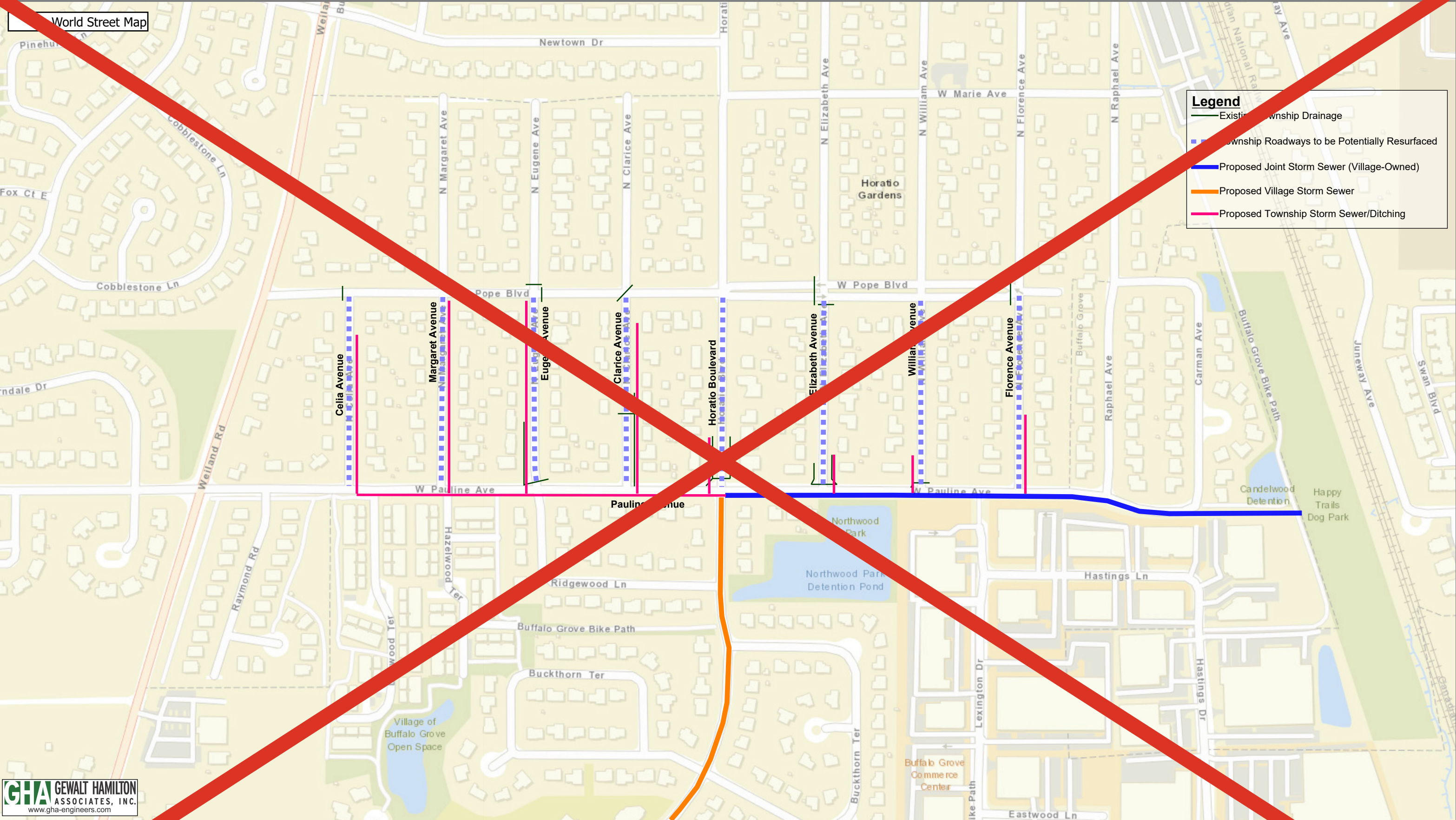
Existing Township Drainage

Township Roadways to be Potentially Resurfaced

Proposed Joint Storm Sewer (Village-Owned)

Proposed Village Storm Sewer

Proposed Township Storm Sewer/Ditching



GHA

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ASSOCIATES, INC.
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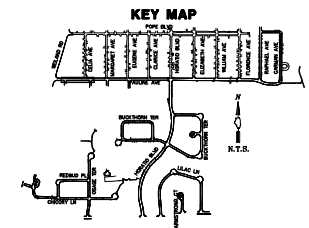
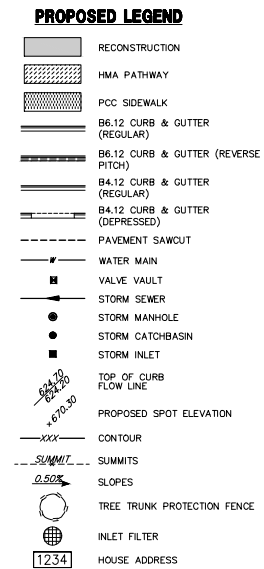
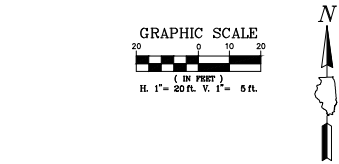
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Conceptual Improvements - Vernon Township

Northwoods Subdivision

Vernon Township

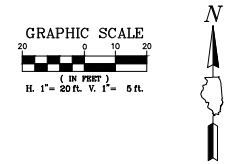
Buffalo Grove



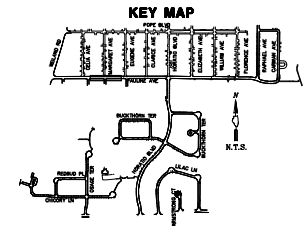
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DRAWN BY: BRS DATE 12-19-24	G/A PROJECT # 4798.064	24
CHECKED BY: PCL DATE 12-19-24	SCALE: H:1"=20', V:1"=5'	
		OF 54 SHEETS

Vernon Township

Buffalo Grove



	RECONSTRUCTION
	HMA PATHWAY
	PCC SIDEWALK
	B6.12 CURB & GUTTER (REGULAR)
	B6.12 CURB & GUTTER (REVERSE PITCH)
	B4.12 CURB & GUTTER (REGULAR)
	B4.12 CURB & GUTTER (DEPRESSED)
	PAVEMENT SAWCUT
	WATER MAIN
	VALVE VAULT
	STORM SEWER
	STORM MANHOLE
	STORM CATCHBASIN
	STORM INLET
	TOP OF CURB FLOW LINE
	PROPOSED SPOT ELEVATION
	CONTOUR
	SUMMITS
	SLOPES
	TREE TRUNK PROTECTION FENCE
	INLET FILTER
	HOUSE ADDRESS

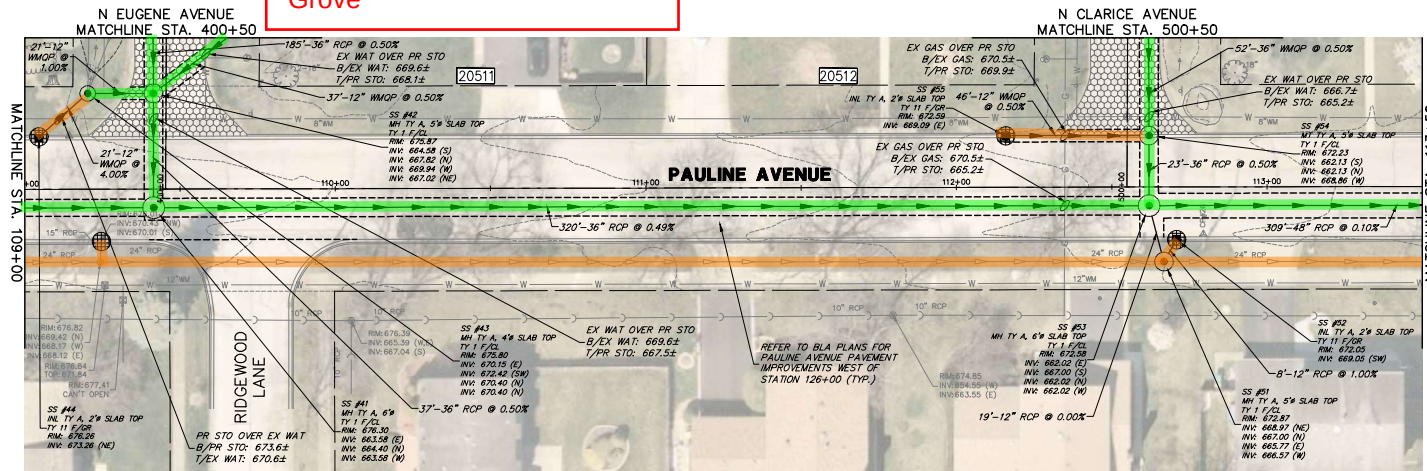
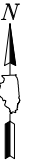
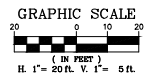


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CHECKED BY: PCL DATE 12-19-24	SCALE H:1"=20', V:1"=5'	

Maintenance Responsibility

Vernon
Township

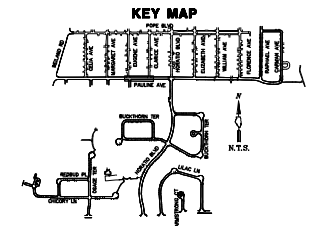
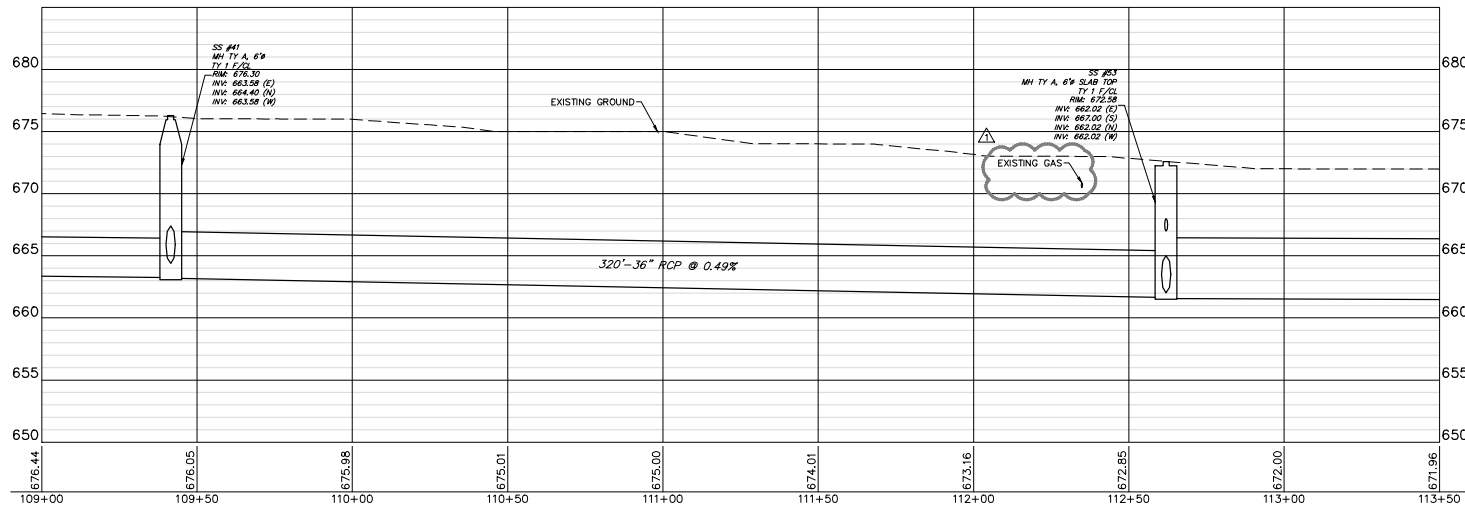
Buffalo
Grove



PROPOSED LEGEND

- RECONSTRUCTION
- HMA PATHWAY
- PCC SIDEWALK
- B6.12 CURB & GUTTER (REGULAR)
- B6.12 CURB & GUTTER (REVERSE PITCH)
- B4.12 CURB & GUTTER (REGULAR)
- B4.12 CURB & GUTTER (DEPRESSED)
- PAVEMENT SAWCUT
- WATER MAIN
- VALVE VAULT
- STORM SEWER
- STORM MANHOLE
- STORM CATCHBASIN
- STORM INLET
- TOP OF CURB FLOW LINE
- PROPOSED SPOT ELEVATION
- CONTOUR
- SUMMITS
- SLOPES
- TREE TRUNK PROTECTION FENCE
- INLET FILTER
- HOUSE ADDRESS

PAULINE AVENUE



GHA GEWALT HAMILTON ASSOCIATES, INC.

625 Forest Edge Drive Vernon Hills, IL 60061
Tel 847.478.9700 Fax 847.478.9701

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PLAN AND PROFILE (STA. 109+00 TO 113+50)

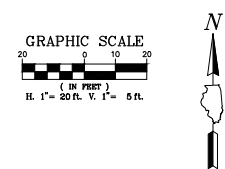
**2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS**

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION
1	DPS	01-03-25	ADDENDUM 01				

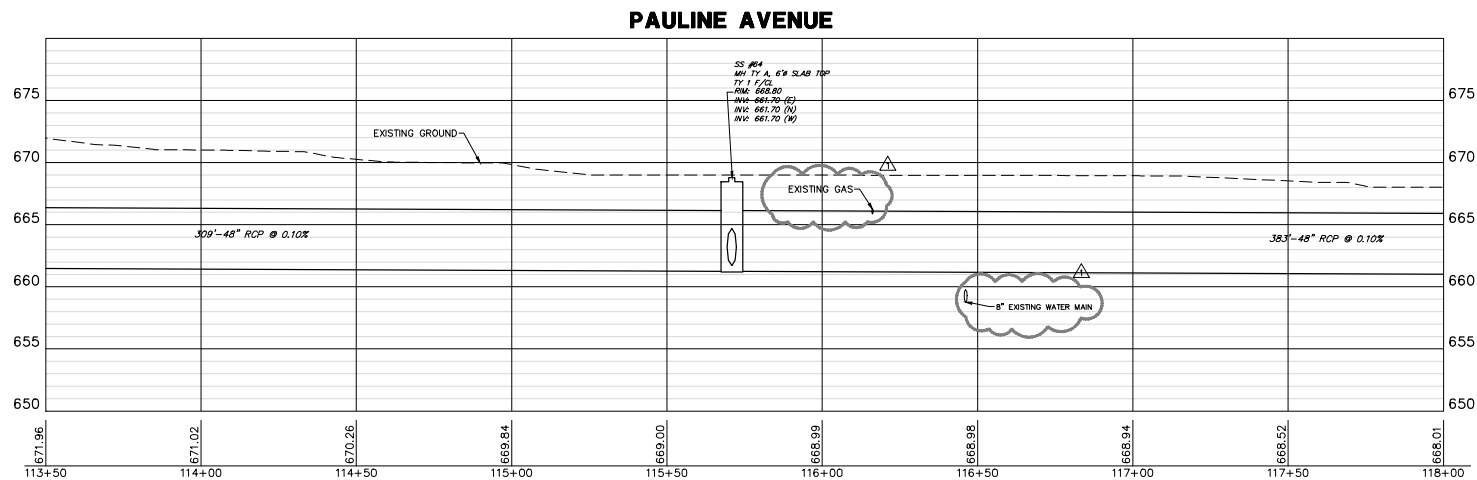
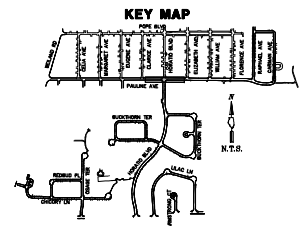
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				OF 54 SHEETS

Vernon Township

Buffalo Grove



- | | |
|---|-------------------------------------|
|  | RECONSTRUCTION |
|  | HMA PATHWAY |
|  | PCC SIDEWALK |
|  | B6.12 CURB & GUTTER (REGULAR) |
|  | B6.12 CURB & GUTTER (REVERSE PITCH) |
|  | B4.12 CURB & GUTTER (REGULAR) |
|  | B4.12 CURB & GUTTER (DEPRESSED) |
|  | PAVEMENT SAWCUT |
|  | WATER MAIN |
|  | VALVE VAULT |
|  | STORM SEWER |
|  | STORM MANHOLE |
|  | STORM CATCHBASIN |
|  | STORM INLET |
|  | TOP OF CURB
FLOW LINE |
|  | PROPOSED SPOT ELEVATION |
|  | CONTOUR |
|  | SUMMITS |
|  | SLOPES |
|  | TREE TRUNK PROTECTION FENCE |
|  | INLET FILTER |
|  | HOUSE ADDRESS |



GHA GEWALT HAMILTON
ASSOCIATES, INC.
625 Forest Edge Drive ■ Vernon Hills, IL. 60061
TEL 847.478.9700 ■ FAX 847.478.9701

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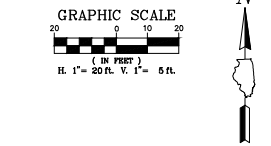
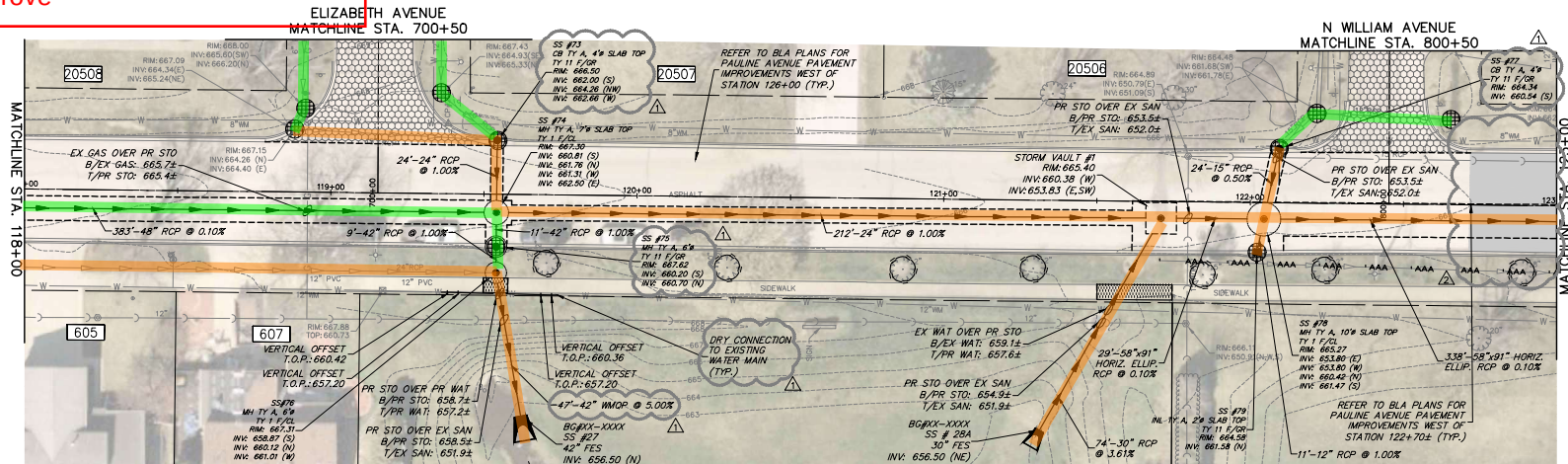
**2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS**

										FILE 4798.064-PR_Phase 1_Pipeline.dwg		SHEET NUMBER	
										DRAWN BY: BRS		GSA PROJECT #	
										DATE: 12-19-24		4798.064	
										CHECKED BY: PCL		SCALE:	
										DATE: 12-19-24		h: 1"= 20', v: 1"= 5'	
1 OPS 01-03-25 ADDENDUM 01												27	
NO. REV. DATE REVISION										NO. REV. DATE REVISION		OF 54 SHEETS	

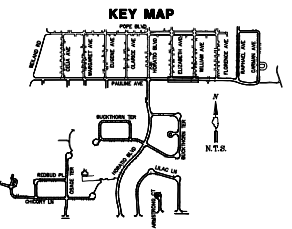
Maintenance Responsibility

Vernon Township

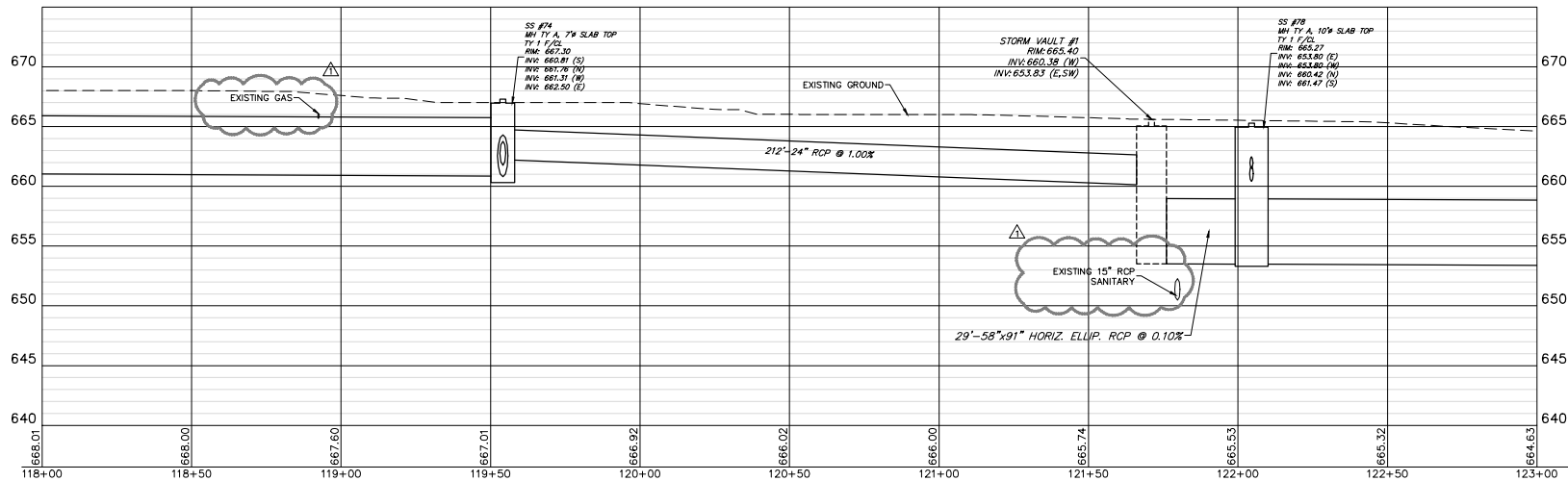
Buffalo Grove



- PROPOSED LEGEND**
- RECONSTRUCTION
 - HMA PATHWAY
 - PCC SIDEWALK
 - B6.12 CURB & GUTTER (REGULAR)
 - B6.12 CURB & GUTTER (REVERSE PITCH)
 - B4.12 CURB & GUTTER (REGULAR)
 - B4.12 CURB & GUTTER (DEPRESSED)
 - PAVEMENT SAWCUT
 - WATER MAIN
 - VALVE VAULT
 - STORM SEWER
 - STORM MANHOLE
 - STORM CATCHBASIN
 - STORM INLET
 - TOP OF CURB FLOW LINE
 - PROPOSED SPOT ELEVATION
 - CONTOUR
 - SUMMIT
 - SLOPES
 - TREE TRUNK PROTECTION FENCE
 - INLET FILTER
 - HOUSE ADDRESS



PAULINE AVENUE



GHA GEWALT HAMILTON ASSOCIATES, INC.
625 Forest Edge Drive ■ Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701

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PLAN AND PROFILE (STA. 118+00 TO 123+00)
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

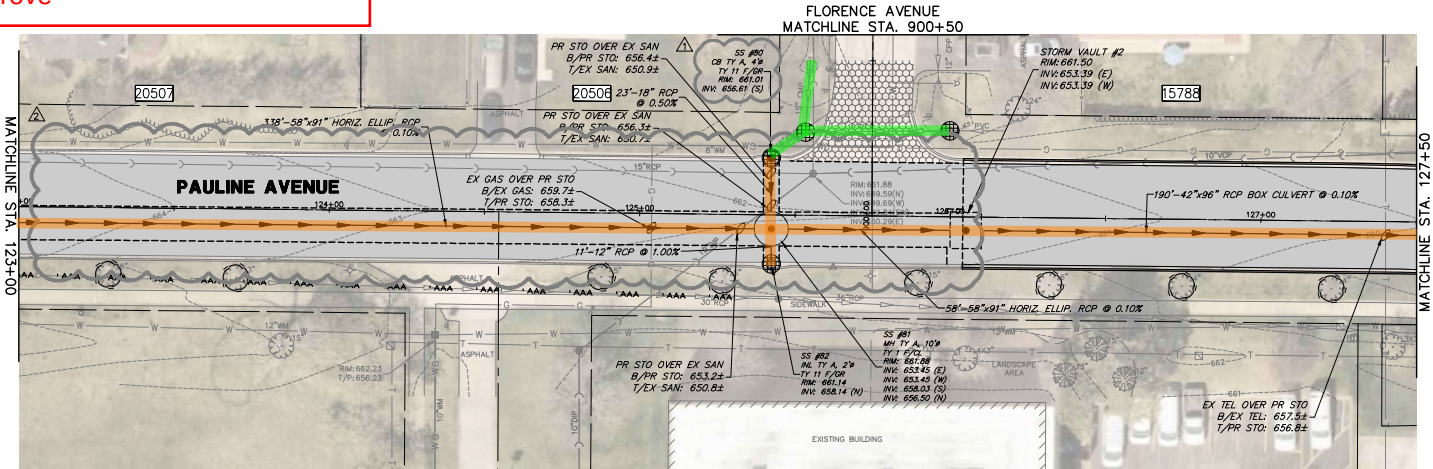
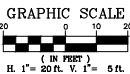
NO.	DATE	REVISION	NO.	BY	DATE	REVISION
2	PCL 01-08-25	ADDENDUM 03				
1	DPS 01-03-25	ADDENDUM 01				

FILE 4798.064-PR_Phase 1_Pauline.dwg	SHEET NUMBER
DRAWN BY: BRS DATE 12-19-24	4798.064
CHECKED BY: PCL DATE 12-19-24	SCALE: 1"=20', V:1"=5'
	28 OF 54 SHEETS

Maintenance Responsibility

- Vernon Township

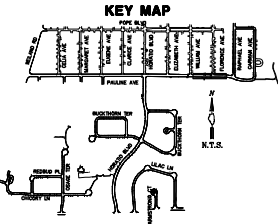
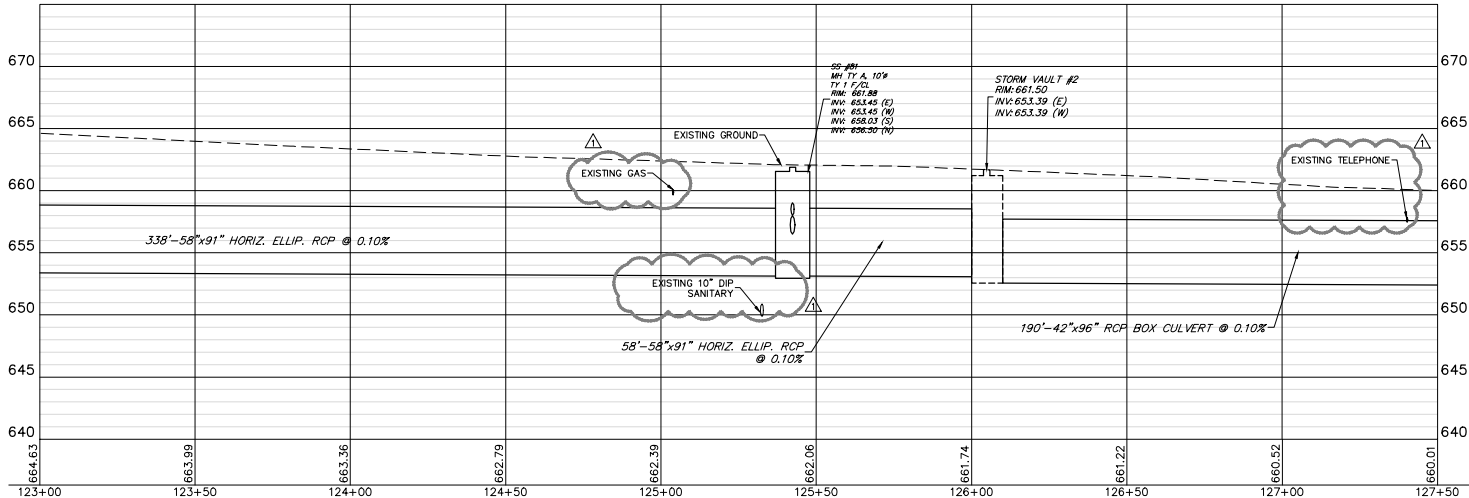
Buffalo Grove



PROPOSED LEGEND

- RECONSTRUCTION
- HMA PATHWAY
- PCC SIDEWALK
- B6.12 CURB & GUTTER (REGULAR)
- B6.12 CURB & GUTTER (REVERSE PITCH)
- B4.12 CURB & GUTTER (REGULAR)
- B4.12 CURB & GUTTER (DEPRESSED)
- PAVEMENT SAWCUT
- WATER MAIN
- VALVE VAULT
- STORM SEWER
- STORM MANHOLE
- STORM CATCHBASIN
- STORM INLET
- TOP OF CURB
- FLOW LINE
- PROPOSED SPOT ELEVATION
- CONTOUR
- SUMMIT
- SLOPES
- TREE TRUNK PROTECTION FENCE
- INLET FILTER
- HOUSE ADDRESS

PAULINE AVENUE



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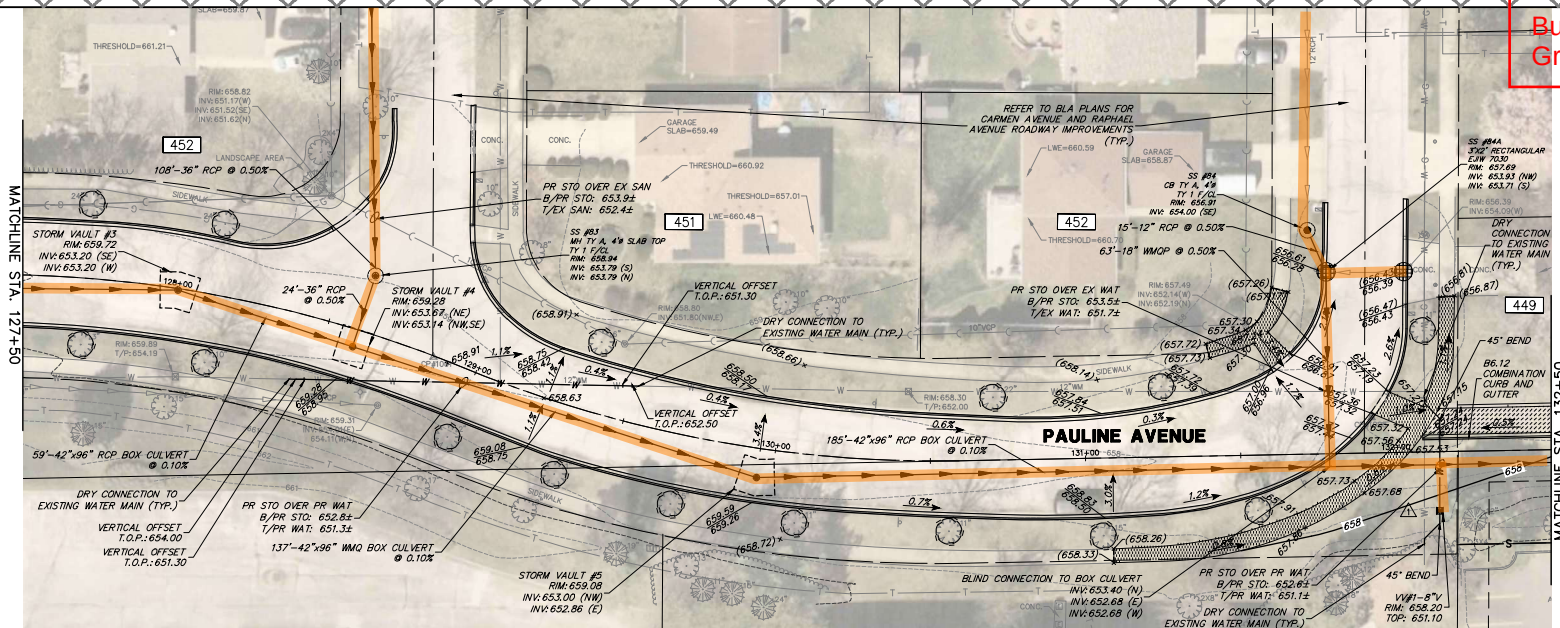
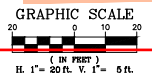
PLAN AND PROFILE (STA. 123+00 TO 127+50)
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

NO.	BY	DATE	REVISION
2	PCL	01-08-25	ADDENDUM 03
1	DPS	01-03-25	ADDENDUM 01

FILE: 4798.064-PR_Phase 1_Pauline.dwg	SHEET NUMBER
DRAWN BY: BRS DATE: 12-19-24 PROJECT # 4798.064	29
CHECKED BY: PCL DATE: 12-19-24 SCALE: 1"=20', V:1"=5'	OF 54 SHEETS

Vernon
Township

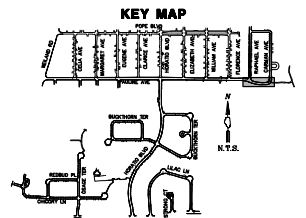
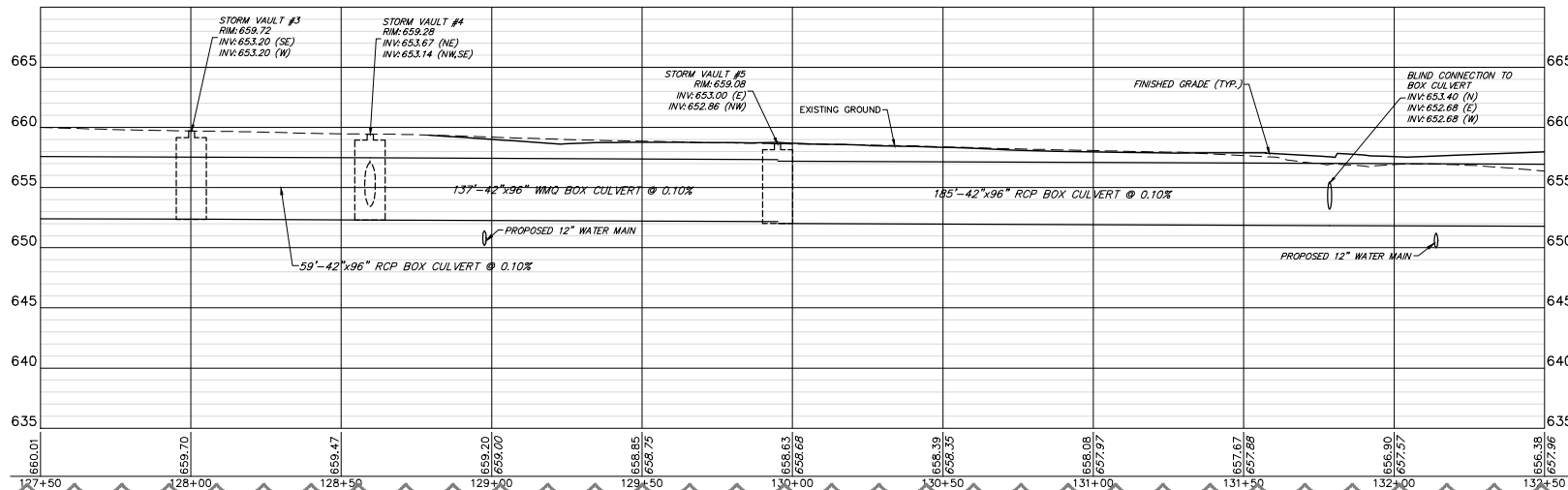
Buffalo
Grove



PROPOSED LEGEND

- RECONSTRUCTION
- HMA PATHWAY
- PCC SIDEWALK
- B6.12 CURB & GUTTER (REGULAR)
- B6.12 CURB & GUTTER (REVERSE PITCH)
- B4.12 CURB & GUTTER (REGULAR)
- B4.12 CURB & GUTTER (DEPRESSED)
- PAVEMENT SAWCUT
- WATER MAIN
- VALVE VAULT
- STORM SEWER
- STORM MANHOLE
- STORM CATCHBASIN
- STORM INLET
- TOP OF CURB FLOW LINE
- PROPOSED SPOT ELEVATION
- CONTOUR
- SUMMITS
- SLOPES
- TREE TRUNK PROTECTION FENCE
- INLET FILTER
- HOUSE ADDRESS

PAULINE AVENUE



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PLAN AND PROFILE (STA. 127+50 TO 132+50)

**2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS**

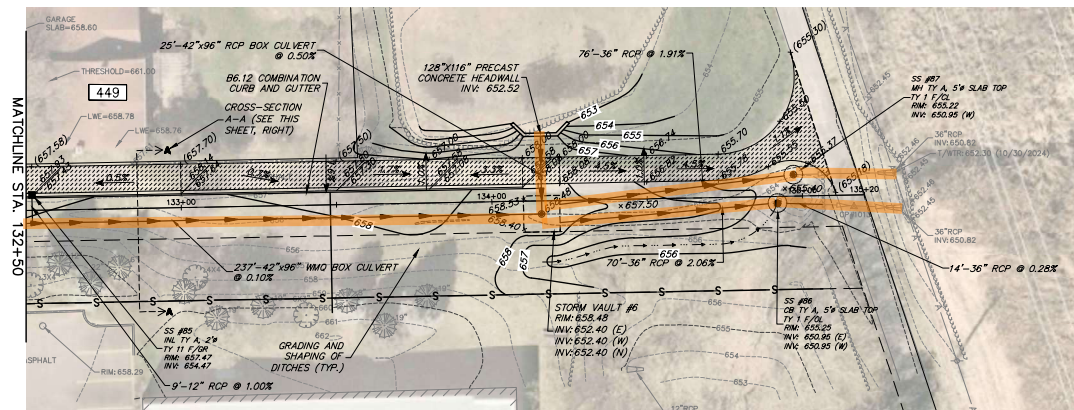
NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION
1	DPS	01-03-25	ADDENDUM 01				

FILE: 4798.064-PR_Phase 1_Pauline.dwg	SHEET NUMBER
DRAWN BY: BRS	30
DATE: 12-19-24	4798.064
CHECKED BY: PCL	SCALE: 1\"/>

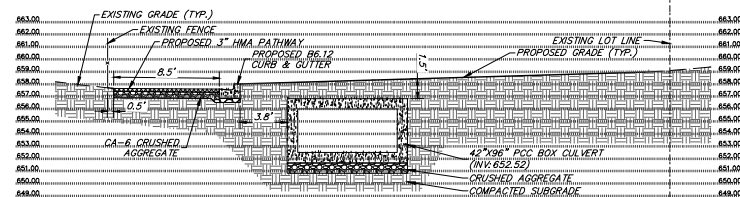
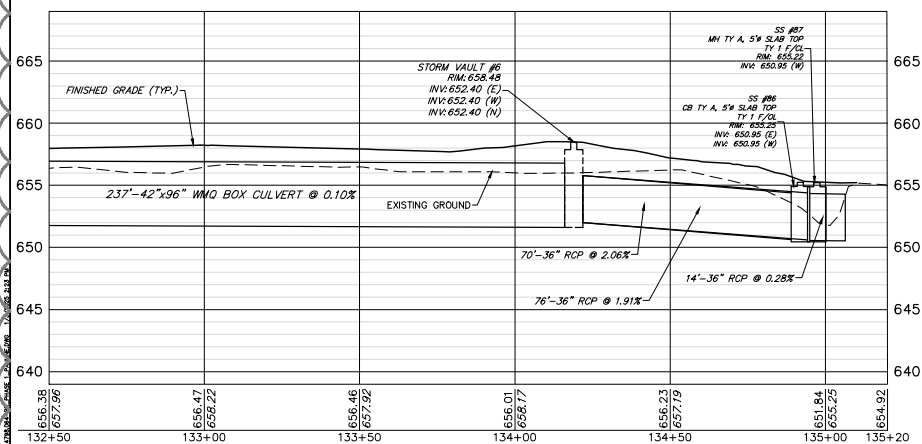
OF 54 SHEETS

Vernon
Township

Buffalo Grove



PAULINE AVENUE



CROSS-SECTION A-A

SCALE:
V: 1" = 2', H: 1" = 5'

GHA GEWALT HAMILTON
ASSOCIATES, INC.
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TEL 847.478.9700 ■ FAX 847.478.9701

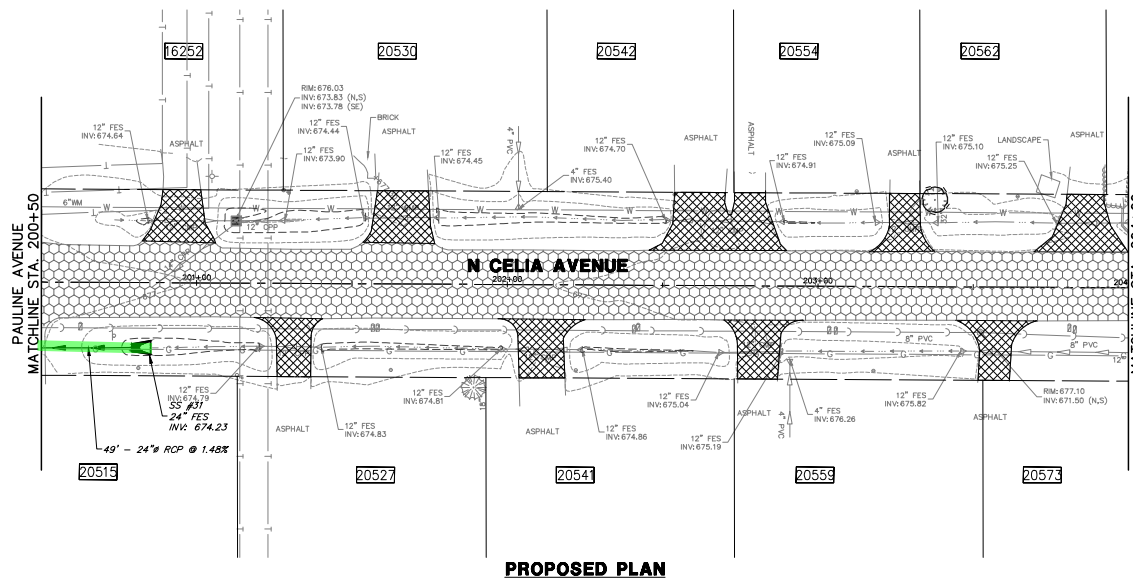
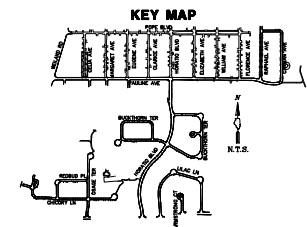
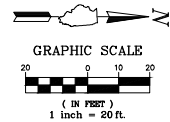
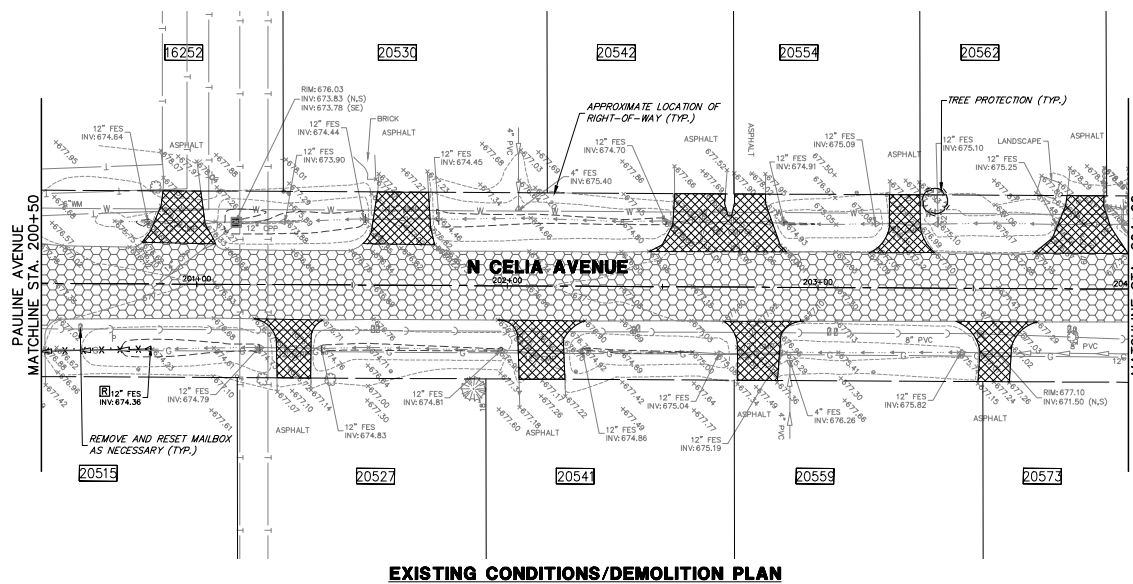
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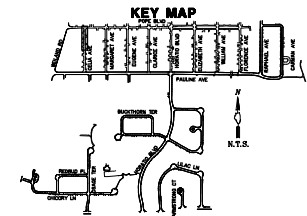
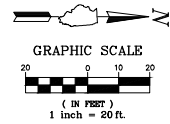
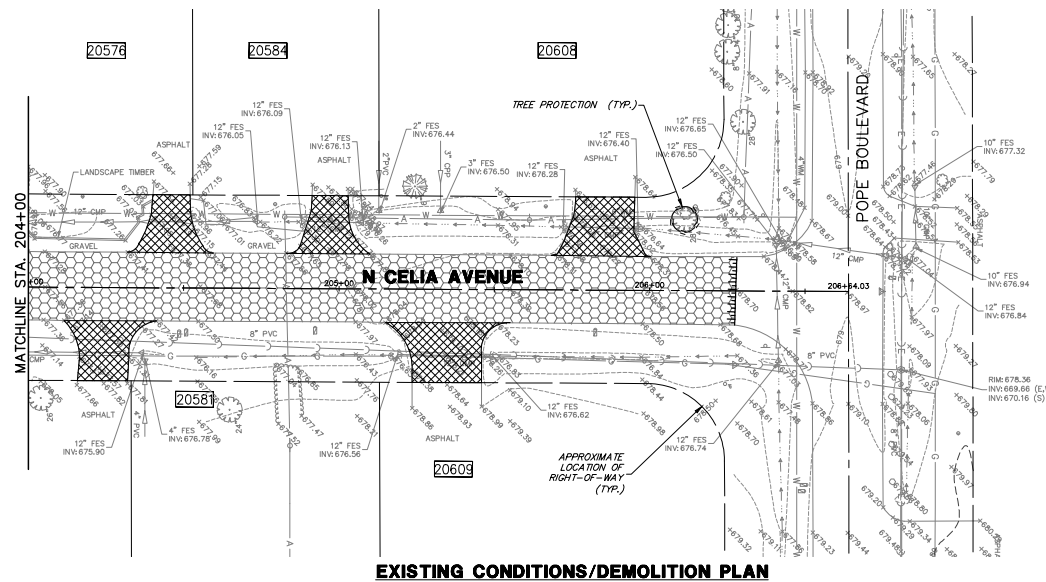
PLAN AND PROFILE (STA. 132+50 TO 135+20)

**2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS**

										R/LB 4798.064-PR_Phase 1_Pauline.deg	SHEET NUMBER
										DRAWN BY: BKS DATE 12-19-24	GHA PROJECT # 4798.064
										CHECKED IN: POL DATE 12-19-24	SCALE As 1"=20'; V. 1"=1'
1	SPS	01-03-25	ADDENDUM 01								
NO.	REV.	DATE	REVISION					NO.	REV.	DATE	REVISION



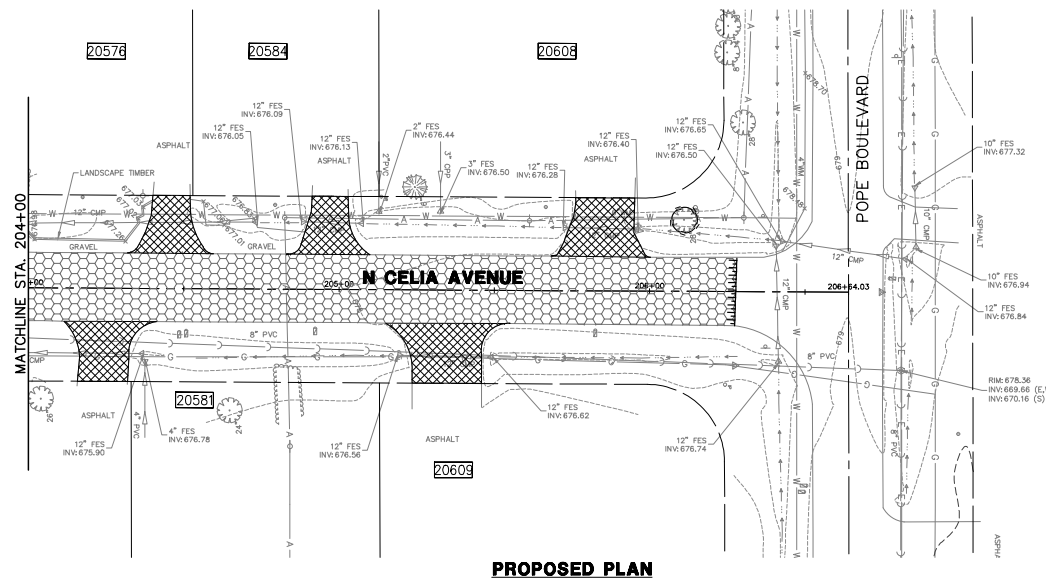
Maintenance Responsibility



REMOVAL LEGEND

- | | |
|---|-----------------------------|
|  | MILL AND OVERLAY |
|  | DRIVEWAY PAVEMENT REMOVAL |
|  | SIDEWALK REMOVAL |
|  | TREE TRUNK PROTECTION FENCE |
|  | UTILITY TO BE REMOVED |
|  | HMA BUTT JOINT |
|  | PAVEMENT SAWCUT |
|  | STRUCTURE REMOVAL |
|  | INLET FILTER |
|  | HOUSE ADDRESS |

EXISTING CONDITIONS/DEMOLITION PLAN



PROPOSED LEGEND

- | | |
|---|-----------------------------|
|  | MILL AND OVERLAY |
|  | DRIVEWAY PAVEMENT |
|  | PCC SIDEWALK |
|  | HMA BUTT JOINT |
|  | STORM SEWER |
|  | STORM MANHOLE |
|  | STORM CATCHBASIN |
|  | STORM INLET |
|  | TREE TRUNK PROTECTION FENCE |
|  | INLET FILTER |
|  | HOUSE ADDRESS |

Maintenance Responsibility

Vernon
Township

Buffalo
Grove

PROPOSED PLAN

GHA GEWALT HAMILTON ASSOCIATES, INC.

625 Forest Edge Drive ■ Vernon Hills, IL. 60061
TEL 847.478.9700 ■ FAX 847.478.9701

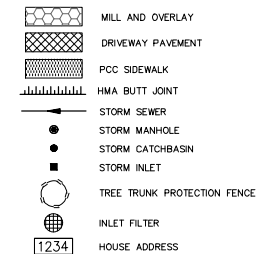
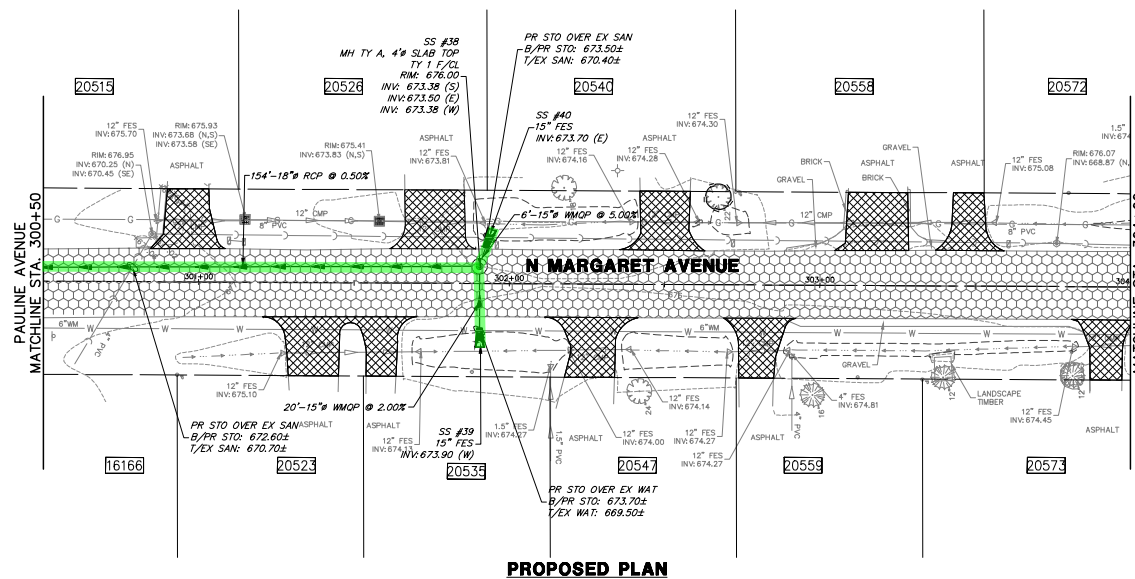
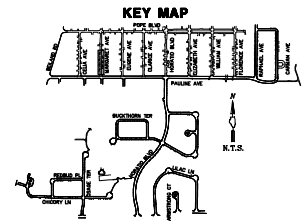
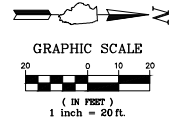
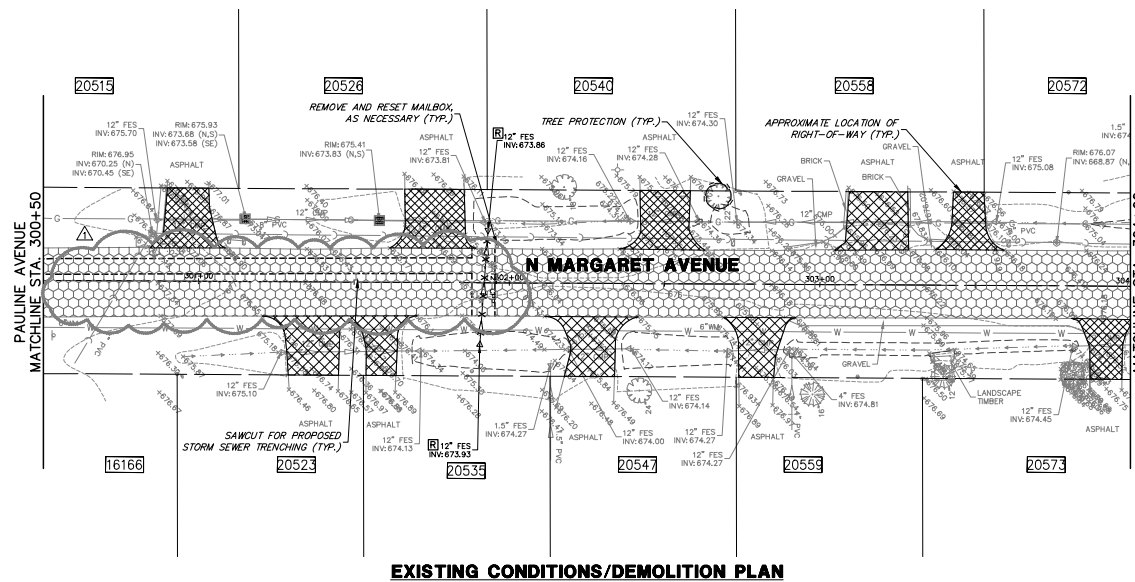
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N CELIA AVENUE (STA. 204+00 TO STA. 206+64)

**2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS**

										FILE 4798.103-PR.dwg		SHEET NUMBER	
										DRAWN BY: SRS		GFA PROJECT #	
										DATE 12-19-24		4798.064	
										CHECKED BY: PCL		SCALE	
										DATE 12-19-24		1" = 20'	
1 DWS 01-03-25 ADDENDUM 01													
NO. BY		DATE		REVISION		NO. BY		DATE		REVISION		33	
												OF 54 SHEETS	



Maintenance Responsibility

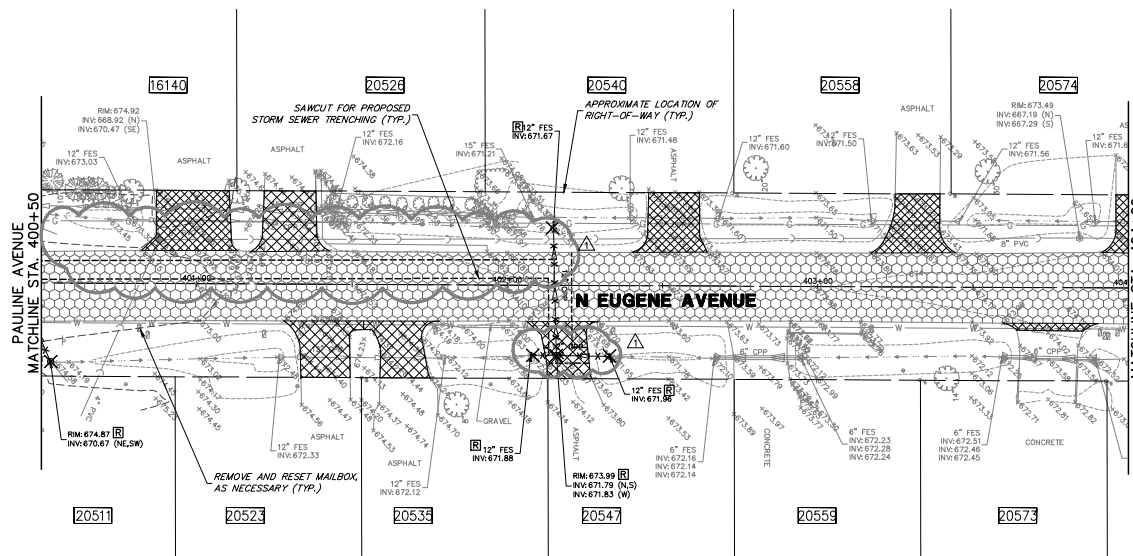
GHA GEWALT HAMILTON
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N MARGARET AVENUE (STA. 300+50 TO STA. 304+00)
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

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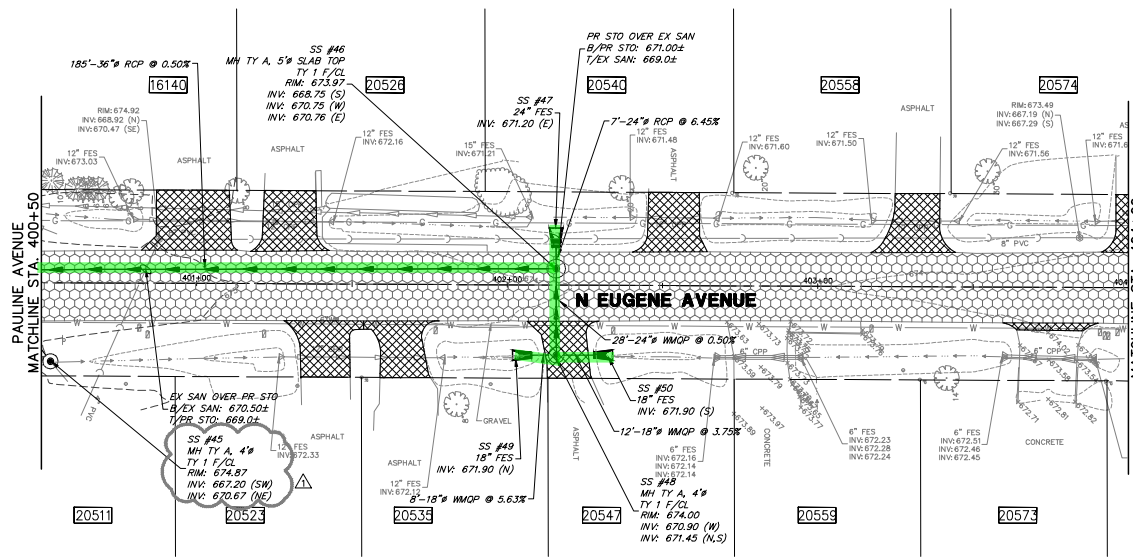
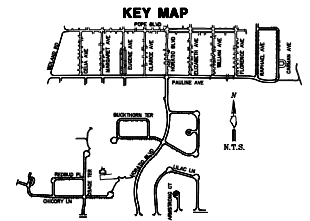
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DRAWN BY: BRS	GHA PROJECT #	
DATE 12-19-24	4798.064	
CHECKED BY: PCL	SCALE	
DATE 12-19-24	1" = 20'	



EXISTING CONDITIONS/DEMOLITION PLAN

REMOVAL LEGEND

- MILL AND OVERLAY
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- TREE TRUNK PROTECTION
- UTILITY TO BE REMOVED
- HMA BUTT JOINT
- PAVEMENT SAWCUT
- STRUCTURE REMOVAL
- INLET FILTER
- HOUSE ADDRESS



PROPOSED PLAN

PROPOSED LEGEND

- MILL AND OVERLAY
- DRIVEWAY PAVEMENT
- PCC SIDEWALK
- HMA BUTT JOINT
- STORM SEWER
- STORM MANHOLE
- STORM CATCHBASIN
- STORM INLET
- TREE TRUNK PROTECTION FENCE
- INLET FILTER
- HOUSE ADDRESS

Maintenance Responsibility

- Vernon Township
- Buffalo Grove

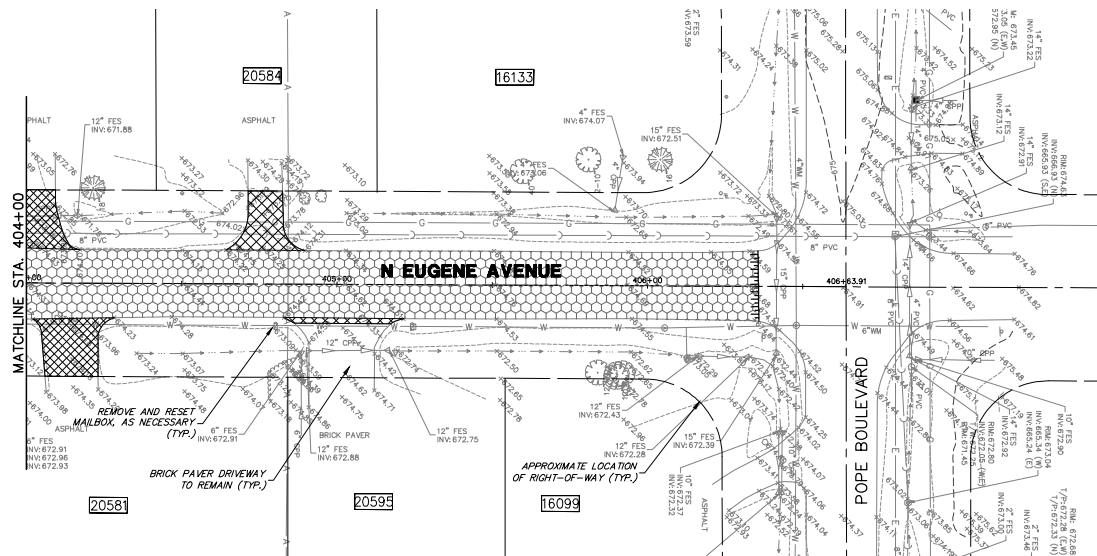
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N EUGENE AVENUE (STA. 400+50 TO STA. 404+00)
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

NO.	BY	DATE	REVISION
1	DPS	01-03-25	ADDENDUM 01

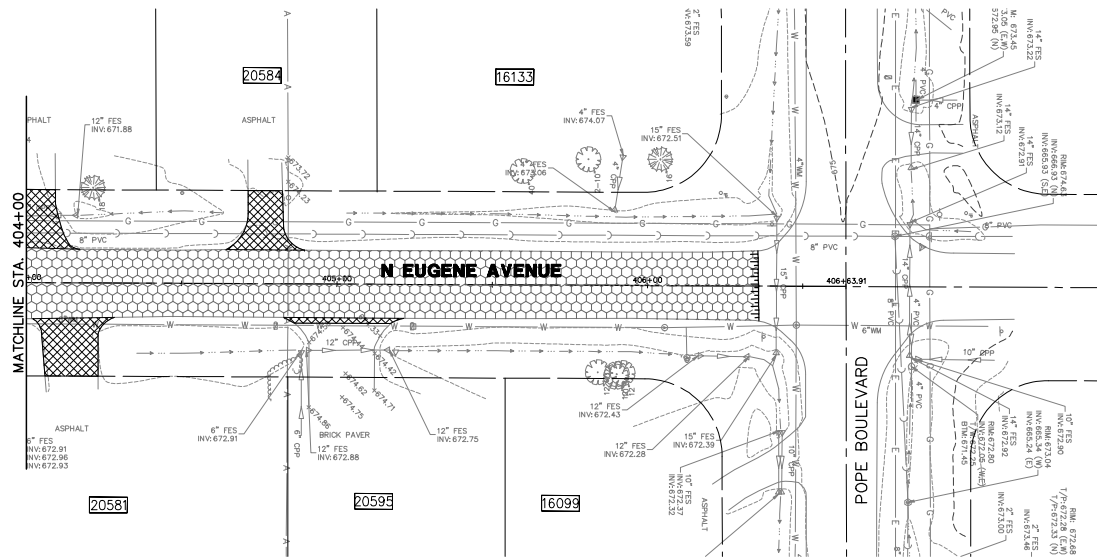
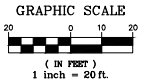
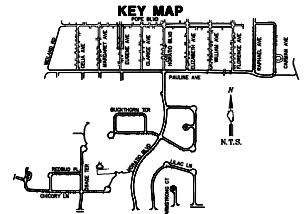
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DRAWN BY: BRS	36
DATE 12-19-24	GHA PROJECT # 4798.064
CHECKED BY: PCL	SCALE 1" = 20'
DATE 12-19-24	OF 54 SHEETS



EXISTING CONDITIONS/DEMOLITION PLAN

REMOVAL LEGEND

- MILL AND OVERLAY
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- TREE TRUNK PROTECTION
- UTILITY TO BE REMOVED
- HMA BUTT JOINT
- PAVEMENT SAWCUT
- STRUCTURE REMOVAL
- INLET FILTER
- HOUSE ADDRESS



PROPOSED PLAN

PROPOSED LEGEND

- MILL AND OVERLAY
- DRIVEWAY PAVEMENT
- PCC SIDEWALK
- HMA BUTT JOINT
- STORM SEWER
- STORM MANHOLE
- STORM CATCHBASIN
- STORM INLET
- TREE TRUNK PROTECTION FENCE
- INLET FILTER
- HOUSE ADDRESS

Maintenance Responsibility

Vernon Township	
Buffalo Grove	

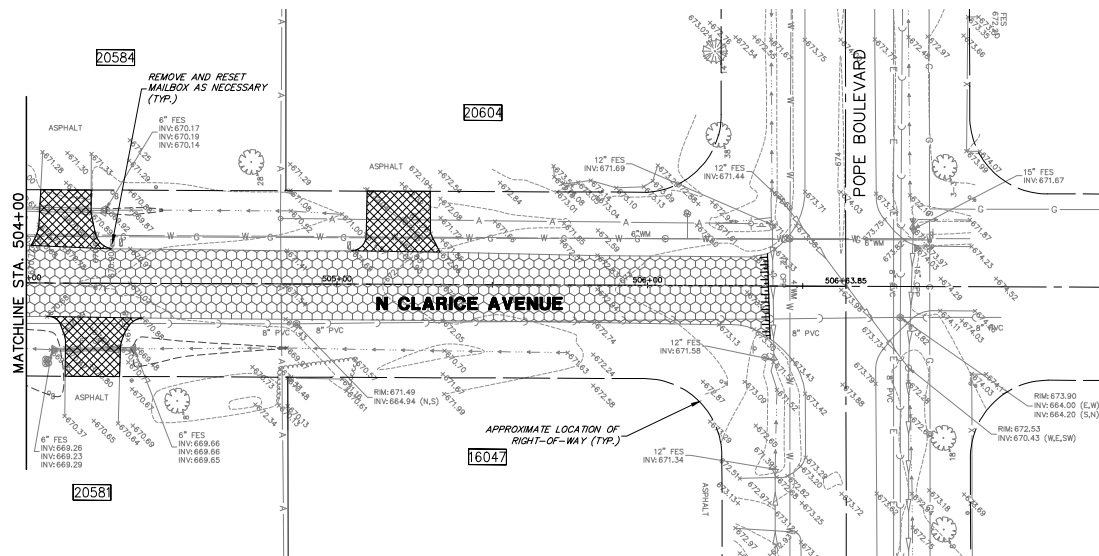
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TEL 847.478.9700 ■ FAX 847.478.9701

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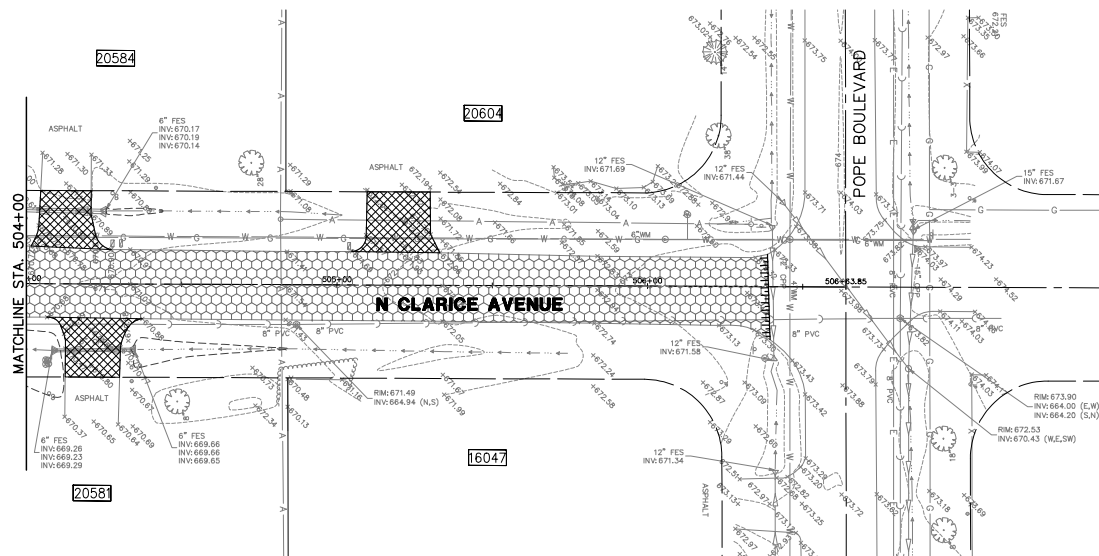
N EUGENE AVENUE (STA. 404+00 TO STA. 406+64)
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

NO.	BY	DATE	REVISION
1	DPS	01-03-25	ADDENDUM 01

FLB 4798.103-PR.dwg	SHEET NUMBER
DRAWN BY: BRS	37
DATE: 12-19-24	GHA PROJECT # 4798.064
CHECKED BY: POL	SCALE 1" = 20'
DATE: 12-19-24	OF 54 SHEETS



EXISTING CONDITIONS/DEMOLITION PLAN



PROPOSED PLAN

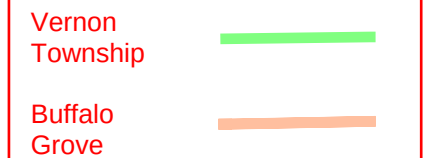
REMOVAL LEGEND

- MILL AND OVERLAY
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- TREE TRUNK PROTECTION
- UTILITY TO BE REMOVED
- HMA BUTT JOINT
- PAVEMENT SAWCUT
- STRUCTURE REMOVAL
- INLET FILTER
- HOUSE ADDRESS

PROPOSED LEGEND

- MILL AND OVERLAY
- DRIVEWAY PAVEMENT
- PCC SIDEWALK
- HMA BUTT JOINT
- STORM SEWER
- STORM MANHOLE
- STORM CATCHBASIN
- STORM INLET
- TREE TRUNK PROTECTION FENCE
- INLET FILTER
- HOUSE ADDRESS

Maintenance Responsibility



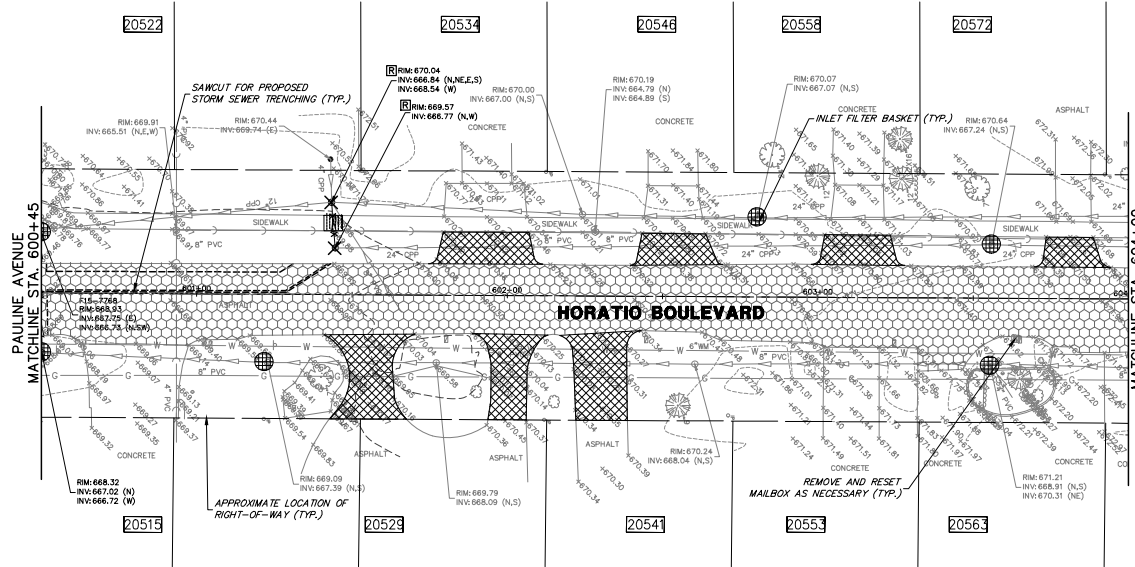
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N CLARICE AVENUE (STA. 504+00 TO STA. 506+64)
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION
1	DPS	01-03-25	ADDENDUM 01				

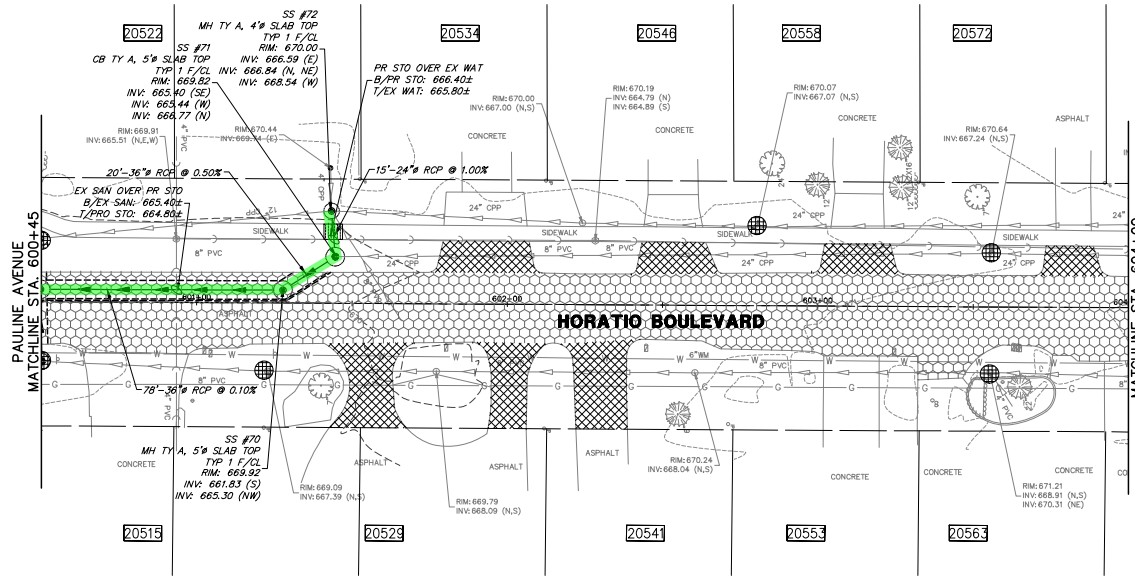
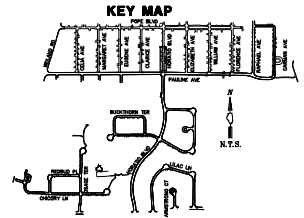
FILE: 4798.103-PR.dwg	SHEET NUMBER
DRAWN BY: BRS	39
DATE: 12-19-24	CHA PROJECT #
	4798.064
CHECKED BY: PCL	SCALE
DATE: 12-19-24	1" = 20'
	OF 54 SHEETS



EXISTING CONDITIONS/DEMOLITION PLAN

REMOVAL LEGEND

- MILL AND OVERLAY
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- TREE TRUNK PROTECTION FENCE
- UTILITY TO BE REMOVED
- HMA BUTT JOINT
- PAVEMENT SAWCUT
- STRUCTURE REMOVAL
- INLET FILTER
- HOUSE ADDRESS



PROPOSED PLAN

PROPOSED LEGEND

- MILL AND OVERLAY
- DRIVEWAY PAVEMENT
- PCC SIDEWALK
- HMA BUTT JOINT
- STORM SEWER
- STORM MANHOLE
- STORM CATCHBASIN
- STORM INLET
- TREE TRUNK PROTECTION FENCE
- INLET FILTER
- HOUSE ADDRESS

Maintenance Responsibility

Vernon Township	
Buffalo Grove	

GHA GEWALT HAMILTON ASSOCIATES, INC.
625 Forest Edge Drive ■ Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701

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HORATIO BOULEVARD (STA. 600+50 TO STA. 604+00)
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

NO.	BY	DATE	REVISION
1	DPS	01-03-25	ADDENDUM 01

FLB 4798.103-PR.dwg	SHEET NUMBER
DRAWN BY: BRS	40
DATE: 12-19-24	GHA PROJECT # 4798.064
CHECKED BY: PCL	SCALE 1" = 20'
DATE: 12-19-24	OF 54 SHEETS



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 9.a. O-2025-17

Ordinance Authorizing a Contract with Builders Paving for the 2025 Street Resurfacing Project

Contacts

Liaison: Trustee Stein

Staff: Kyle Johnson

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve an Ordinance authorizing the execution of a Contract with Builders Paving for the 2025 Street Resurfacing Project, pending final review by the Village Attorney.

Summary

Recommendation

Staff recommends that the Village Board authorize the Village President to execute a contract with Builders Paving LLC for the 2025 Street Resurfacing Project in an amount not to exceed \$2,615,416.10, which includes a 10% Village controlled contingency, pending final review and approval by the Village Attorney.

Background

The 2025 Street Resurfacing Project was advertised for bids and opened on January 9th, 2025. The Village receive three bids at that time. The lowest, qualified bid was in the amount of \$2,377,651.00 from Builders Paving LLC. A contingency of 10% is requested with this award bringing the total contract amount to \$2,615,416.10.

The project includes spot curb, sidewalk replacement and full roadway asphalt replacement. The project focuses on streets that have not been rehabilitated in 20 or more years and have a pavement cross section that allows for simple resurfacing.

Attached is a copy of the Tabulation of Bids for the project indicating the lowest, total qualified bid of \$2,377,651.00 from Builders Paving LLC. Also demonstrated in the attachment is an engineer's estimate of \$3,234,742.50. This project represents a significant bulk of the Village's effort toward street rehabilitation in 2025, with the project starting in July and ending in October.

Strategic Alignment

Guiding Principle

Principle 3: Plan and Invest in the Future

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

1. Draft Ordinance - Resurfacing Award
2. Bid Recommendation - 2025 Pavement Resurfacing
3. Bid Tabulation - Pavement Resurfacing
4. 2025 Resurfacing Contract





ORDINANCE 2025-xxx

AN ORDINANCE AUTHORIZING A CONSTRUCTION CONTRACT WITH BUILDERS PAVING LLC FOR THE 2025 STREET RESURFACING PROJECT

WHEREAS the Village of Buffalo Grove is a home rule unit pursuant to the Illinois Constitution of 1970; and

WHEREAS the Village seeks to enter into a contract with Builders Paving LLC for the 2025 Street Resurfacing Project,

NOW THEREFORE BE IT ORDAINED by the President and Board of Trustees of the Village of Buffalo Grove, Cook and Lake Counties, Illinois, as follows:

SECTION 1. The foregoing recitals are hereby adopted and incorporated and made a part of this Ordinance as if fully set forth herein.

SECTION 2. The Village President is authorized to execute a contract with Builders Paving LLC for the 2025 Street Resurfacing Project at a price not to exceed \$2,615,416.10, pending attorney review.

SECTION 3. If any section, paragraph, clause or provision of this Ordinance shall be held invalid, the invalidity thereof shall not affect any other provision of this Ordinance.

SECTION 4. This Ordinance shall be in full force and effect from and after its passage and approval and shall not be codified.

AYES: _____
NAYES: _____
ABSENT: _____
PASSED: _____, 2025
APPROVED: _____, 2025
PUBLISHED: _____, 2025

ATTEST:

APPROVED:

Janet M. Sirabian, Village Clerk

Eric N. Smith, Village President

January 13, 2025

Mr. Adam Dow
Civil Engineer II
Village of Buffalo Grove
1650 Leider Lane
Buffalo Grove, Illinois 60089



625 Forest Edge Drive, Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701

www.gha-engineers.com

Re: 2025 Pavement Resurfacing Project
VoBG-2024-32
Bid Results and Recommendation for Award

Dear Mr. Dow:

On Thursday, January 9, 2025, bid proposals for the above referenced project were received, opened, and publicly read aloud via a Microsoft Teams video conference. This project includes roadway resurfacing within the Rolling Hills Subdivision, Indian Creek Drive, and Indian Creek Court.

As directed, the work considered was separated into a 'base bid' and two 'alternate' bids. Thus, three separate bid schedules were received from each contractor. Most of the proposed work was included in the base bid, however, Roslyn Lane and Roslyn Court was included as alternate 01, and Easton Avenue was included as alternate 02.

Bid documents were solicited and available to contractors on the Village's website, and bids were received by three (3) contractors. As-read, the combined bid amounts ranged from \$2,377,651.00 to \$2,764,309.15; the Engineer's Opinion of Probable Cost (EOPC) was \$3,234,742.50. The as-read low bid of \$2,377,651.00 was received from Builders Paving LLC of Hillside, Illinois. The bids for the base bid ranged from \$1,901,322.00 to \$2,221,834.70; the EOPC was \$2,647,617.50. The bids for alternate 01 ranged from \$342,017.00 to \$397,151.40; the EOPC was \$447,622.50. The bids for alternate 02 ranged from \$125,962.05 to \$145,323.05; the EOPC was \$139,502.50.

Builders Paving LLC is an IDOT prequalified firm and has the experience and means to perform the work in accordance with the plans and specifications.

We recommend that the Village Board authorize the award of a construction contract for the 2025 Pavement Resurfacing Project to Builders Paving LLC in the amount of \$2,377,651.00. This includes the award of the base bid, alternate 01, and alternate 02.

If you have any questions or require additional information regarding the above, please do not hesitate to contact me at (847) 821-6271 or by email at plind@gha-engineers.com.

Sincerely,
GEWALT HAMILTON ASSOCIATES, INC.

Peter C. Lind, PE
Senior Project Manager I

Encl.: Bid Summary

CC: Tom Wisniewski – Village of Buffalo Grove
Kyle Johnson, PE, CFM – Gewalt Hamilton Associates, Inc.
Leo Morand, PE – Gewalt Hamilton Associates, Inc.

Client:

Village of Buffalo Grove

Project:

2025 Pavement Resurfacing Project

GHA Project No:

4798.076

Project Manager:

Peter Lind, P.E.

Bid Opening Date:

1/9/2025

Bid Opening Location:

Virtual

				Engineer's Opinion of Probable Cost		BID TABULATION					
						Builders Paving LLC		Peter Baker & Son Co.		Schroeder Asphalt Services, LLC	
Item No.	Description	Qty	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	Tree Root Pruning	50.0	EA	\$185.00	\$9,250.00	\$110.00	\$5,500.00	\$185.00	\$9,250.00	\$130.00	\$6,500.00
2	Removal and Disposal of Unsuitable Material	530.0	CY	\$45.00	\$23,850.00	\$25.00	\$13,250.00	\$36.00	\$19,080.00	\$50.00	\$26,500.00
3	Geotechnical Fabric for Ground Stabilization	1,590.0	SY	\$4.00	\$6,360.00	\$1.00	\$1,590.00	\$1.00	\$1,590.00	\$3.50	\$5,565.00
4	General Landscape Restoration (Special)	1,430.0	SY	\$17.50	\$25,025.00	\$18.30	\$26,169.00	\$18.30	\$26,169.00	\$14.00	\$20,020.00
5	Supplemental Watering	53.0	EA	\$45.00	\$2,385.00	\$40.00	\$2,120.00	\$40.00	\$2,120.00	\$165.00	\$8,745.00
6	Temporary Landscape Restoration (Special)	115.0	SY	\$4.00	\$460.00	\$14.00	\$1,610.00	\$14.00	\$1,610.00	\$18.00	\$2,070.00
7	Temporary Erosion Control Seeding (Special)	115.0	SY	\$4.00	\$460.00	\$4.30	\$494.50	\$4.30	\$494.50	\$18.00	\$2,070.00
8	Inlet Filters	62.0	EA	\$165.00	\$10,230.00	\$130.00	\$8,060.00	\$125.00	\$7,750.00	\$165.00	\$10,230.00
9	Aggregate Subgrade Improvement	530.0	CY	\$50.00	\$26,500.00	\$25.00	\$13,250.00	\$85.00	\$45,050.00	\$70.00	\$37,100.00
10	Aggregate Base Course, Type B Varies (Special)	10,530.0	TN	\$40.00	\$421,200.00	\$10.00	\$105,300.00	\$14.00	\$147,420.00	\$32.00	\$336,960.00
11	Preparation of Base	31,630.0	SY	\$3.50	\$110,705.00	\$2.00	\$63,260.00	\$3.30	\$104,379.00	\$1.00	\$31,630.00
12	Hot-Mix Asphalt Binder Course, (Special)	4,445.0	TN	\$90.00	\$400,050.00	\$82.00	\$364,490.00	\$84.00	\$373,380.00	\$92.00	\$408,940.00
13	Hot-Mix Asphalt Surface Course, (Special)	3,595.0	TN	\$95.00	\$341,525.00	\$88.00	\$316,360.00	\$88.00	\$316,360.00	\$96.00	\$345,120.00
14	Bituminous Materials (Tack Coat)	18,995.0	LBS	\$1.00	\$18,995.00	\$0.01	\$189.95	\$0.01	\$189.95	\$0.01	\$189.95
15	Portland Cement Concrete Driveway Pavement, 6 Inch	255.0	SY	\$75.00	\$19,125.00	\$90.00	\$22,950.00	\$90.00	\$22,950.00	\$99.00	\$25,245.00
16	Portland Cement Concrete Sidewalk 5 Inch	14,150.0	SF	\$15.00	\$212,250.00	\$10.50	\$148,575.00	\$11.00	\$155,650.00	\$12.00	\$169,800.00
17	Detectable Warnings (Special)	270.0	SF	\$35.00	\$9,450.00	\$42.50	\$11,475.00	\$45.00	\$12,150.00	\$50.00	\$13,500.00
18	Detectable Warnings (Furnished by Others)	145.0	SF	\$20.00	\$2,900.00	\$10.00	\$1,450.00	\$10.00	\$1,450.00	\$12.00	\$1,740.00
19	Pavement Removal (Special)	31,630.0	SY	\$9.00	\$284,670.00	\$8.50	\$268,855.00	\$9.40	\$297,322.00	\$6.50	\$205,595.00
20	Driveway Pavement Removal (Special)	255.0	SY	\$15.00	\$3,825.00	\$15.00	\$3,825.00	\$15.00	\$3,825.00	\$23.00	\$5,865.00
21	Combination Curb and Gutter Removal	2,860.0	FT	\$7.00	\$20,020.00	\$6.50	\$18,590.00	\$7.00	\$20,020.00	\$8.00	\$22,880.00
22	Sidewalk Removal	15,345.0	SF	\$4.50	\$69,052.50	\$1.50	\$23,017.50	\$1.50	\$23,017.50	\$1.75	\$26,853.75
23	Class D Patches, Type I, 4 Inch	10.0	SY	\$100.00	\$1,000.00	\$120.00	\$1,200.00	\$100.00	\$1,000.00	\$350.00	\$3,500.00
24	Pipe Underdrains 4" (Special)	5,500.0	FT	\$40.00	\$220,000.00	\$35.00	\$192,500.00	\$26.00	\$143,000.00	\$40.00	\$220,000.00
25	Drainage Structures to be Cleaned	10.0	EA	\$375.00	\$3,750.00	\$400.00	\$4,000.00	\$320.00	\$3,200.00	\$380.00	\$3,800.00
26	Drainage Structures to be Reconstructed	5.0	EA	\$1,500.00	\$7,500.00	\$1,550.00	\$7,750.00	\$2,000.00	\$10,000.00	\$2,350.00	\$11,750.00
27	Combination Concrete Curb and Gutter, Varies (Special)	2,860.0	FT	\$40.00	\$114,400.00	\$38.00	\$108,680.00	\$38.50	\$110,110.00	\$42.50	\$121,550.00
28	Mobilization	1.0	LS	\$140,000.00	\$140,000.00	\$114,999.85	\$114,999.85	\$86,305.00	\$86,305.00	\$25,000.00	\$25,000.00
29	Thermoplastic Pavement Marking - Letters and Symbols	40.0	SF	\$10.00	\$400.00	\$9.38	\$375.20	\$12.00	\$480.00	\$20.00	\$800.00
30	Thermoplastic Pavement Marking - Line 6"	100.0	FT	\$4.00	\$400.00	\$3.00	\$300.00	\$15.00	\$1,500.00	\$25.00	\$2,500.00
31	Drainage and Utility Structures to be Adjusted (Special)	41.0	EA	\$850.00	\$34,850.00	\$450.00	\$18,450.00	\$1,600.00	\$65,600.00	\$1,800.00	\$73,800.00
32	Sanitary Manholes to be Adjusted (Special)	3.0	EA	\$1,250.00	\$3,750.00	\$1,250.00	\$3,750.00	\$1,800.00	\$5,400.00	\$2,100.00	\$6,300.00
33	Traffic Control and Protection (Special)	1.0	LS	\$95,000.00	\$95,000.00	\$18,000.00	\$18,000.00	\$8,930.00	\$8,930.00	\$30,000.00	\$30,000.00
34	Temporary Information Signing	78.0	SF	\$10.00	\$780.00	\$12.00	\$936.00	\$12.50	\$975.00	\$22.00	\$1,716.00
35	Contractor Layout (Special)	1.0	LS	\$7,500.00	\$7,500.00	\$10,000.00	\$10,000.00	\$1.00	\$1.00	\$8,000.00	\$8,000.00

Total Base Bid:

\$2,647,617.50

\$1,901,322.00

\$2,027,727.95

\$2,221,834.70

1	Removal and Disposal of Unsuitable Material	100.0	CY	\$45.00	\$4,500.00	\$25.00	\$2,500.00	\$38.00	\$3,800.00	\$65.00	\$6,500.00
2	Geotechnical Fabric for Ground Stabilization	290.0	SY	\$4.00	\$1,160.00	\$1.00	\$290.00	\$1.00	\$290.00	\$6.00	\$1,740.00
3	General Landscape Restoration (Special)	290.0	SY	\$17.50	\$5,075.00	\$18.30	\$5,307.00	\$18.30	\$5,307.00	\$14.00	\$4,060.00
4	Supplemental Watering	3.0	EA	\$45.00	\$135.00	\$40.00	\$120.00	\$40.00	\$120.00	\$165.00	\$495.00
5	Inlet Filters	9.0	EA	\$165.00	\$1,485.00	\$130.00	\$1,170.00	\$200.00	\$1,800.00	\$165.00	\$1,485.00

Client:

Village of Buffalo Grove

Project:

2025 Pavement Resurfacing Project

GHA Project No:

4798.076

Project Manager:

Peter Lind, P.E.

Bid Opening Date:

1/9/2025

Bid Opening Location:

Virtual

				Engineer's Opinion of Probable Cost		BID TABULATION					
						Builders Paving LLC		Peter Baker & Son Co.		Schroeder Asphalt Services, LLC	
Item No.	Description	Qty	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
6	Aggregate Subgrade Improvement	100.0	CY	\$50.00	\$5,000.00	\$25.00	\$2,500.00	\$90.00	\$9,000.00	\$70.00	\$7,000.00
7	Aggregate Base Course, Type B Varies (Special)	60.0	TN	\$40.00	\$2,400.00	\$10.00	\$600.00	\$23.50	\$1,410.00	\$35.00	\$2,100.00
8	Preparation of Base	5,820.0	SY	\$3.50	\$20,370.00	\$2.00	\$11,640.00	\$2.10	\$12,222.00	\$1.25	\$7,275.00
9	Hot-Mix Asphalt Binder Course, (Special)	815.0	TN	\$90.00	\$73,350.00	\$82.00	\$66,830.00	\$95.00	\$77,425.00	\$92.00	\$74,980.00
10	Hot-Mix Asphalt Surface Course, (Special)	655.0	TN	\$95.00	\$62,225.00	\$88.00	\$57,640.00	\$99.00	\$64,845.00	\$96.00	\$62,880.00
11	Bituminous Materials (Tack Coat)	1,315.0	LBS	\$1.00	\$1,315.00	\$0.01	\$13.15	\$0.01	\$13.15	\$0.01	\$13.15
12	Portland Cement Concrete Driveway Pavement, 6 Inch	135.0	SY	\$75.00	\$10,125.00	\$90.00	\$12,150.00	\$90.00	\$12,150.00	\$99.00	\$13,365.00
13	Portland Cement Concrete Sidewalk 5 Inch	4,390.0	SF	\$15.00	\$65,850.00	\$10.50	\$46,095.00	\$11.00	\$48,290.00	\$12.00	\$52,680.00
14	Detectable Warnings (Furnished by Others)	84.0	SF	\$20.00	\$1,680.00	\$10.00	\$840.00	\$10.00	\$840.00	\$12.00	\$1,008.00
15	Pavement Removal (Special)	5,820.0	SY	\$9.00	\$52,380.00	\$6.75	\$39,285.00	\$9.50	\$55,290.00	\$6.50	\$37,830.00
16	Driveway Pavement Removal (Special)	135.0	SY	\$15.00	\$2,025.00	\$15.00	\$2,025.00	\$15.00	\$2,025.00	\$23.00	\$3,105.00
17	Combination Curb and Gutter Removal	790.0	FT	\$7.00	\$5,530.00	\$6.50	\$5,135.00	\$7.00	\$5,530.00	\$8.00	\$6,320.00
18	Sidewalk Removal	4,455.0	SF	\$4.50	\$20,047.50	\$1.50	\$6,682.50	\$1.50	\$6,682.50	\$1.75	\$7,796.25
19	Pipe Underdrains 4" (Special)	800.0	FT	\$40.00	\$32,000.00	\$35.00	\$28,000.00	\$28.00	\$22,400.00	\$40.00	\$32,000.00
20	Combination Concrete Curb and Gutter, Varies (Special))	790.0	FT	\$40.00	\$31,600.00	\$38.00	\$30,020.00	\$38.50	\$30,415.00	\$42.50	\$33,575.00
21	Mobilization	1.0	LS	\$22,000.00	\$22,000.00	\$7,500.35	\$7,500.35	\$4,643.00	\$4,643.00	\$5,000.00	\$5,000.00
22	Drainage and Utility Structures to be Adjusted (Special)	11.0	EA	\$850.00	\$9,350.00	\$450.00	\$4,950.00	\$1,600.00	\$17,600.00	\$1,800.00	\$19,800.00
23	Traffic Control and Protection (Special)	1.0	LS	\$15,000.00	\$15,000.00	\$5,600.00	\$5,600.00	\$3,549.00	\$3,549.00	\$8,500.00	\$8,500.00
24	Temporary Information Signing	52.0	SF	\$10.00	\$520.00	\$12.00	\$624.00	\$12.50	\$650.00	\$22.00	\$1,144.00
25	Contractor Layout (Special)	1.0	LS	\$2,500.00	\$2,500.00	\$4,500.00	\$4,500.00	\$1.00	\$1.00	\$6,500.00	\$6,500.00

Total Alternate 01:

\$447,622.50

\$342,017.00

\$386,297.65

\$397,151.40

1	Removal and Disposal of Unsuitable Material	30.0	CY	\$45.00	\$1,350.00	\$25.00	\$750.00	\$38.00	\$1,140.00	\$65.00	\$1,950.00
2	Geotechnical Fabric for Ground Stabilization	90.0	SY	\$4.00	\$360.00	\$1.00	\$90.00	\$1.00	\$90.00	\$6.00	\$540.00
3	General Landscape Restoration (Special)	150.0	SY	\$17.50	\$2,625.00	\$18.30	\$2,745.00	\$18.30	\$2,745.00	\$14.00	\$2,100.00
4	Supplemental Watering	1.0	EA	\$45.00	\$45.00	\$40.00	\$40.00	\$40.00	\$40.00	\$165.00	\$165.00
5	Inlet Filters	4.0	EA	\$165.00	\$660.00	\$130.00	\$520.00	\$200.00	\$800.00	\$165.00	\$660.00
6	Aggregate Subgrade Improvement	30.0	CY	\$50.00	\$1,500.00	\$25.00	\$750.00	\$90.00	\$2,700.00	\$70.00	\$2,100.00
7	Aggregate Base Course, Type B Varies (Special)	100.0	TN	\$40.00	\$4,000.00	\$10.00	\$1,000.00	\$23.50	\$2,350.00	\$32.00	\$3,200.00
8	Preparation of Base	1,785.0	SY	\$3.50	\$6,247.50	\$4.00	\$7,140.00	\$2.70	\$4,819.50	\$2.00	\$3,570.00
9	Hot-Mix Asphalt Binder Course, (Special)	250.0	TN	\$90.00	\$22,500.00	\$108.00	\$27,000.00	\$99.00	\$24,750.00	\$92.00	\$23,000.00
10	Hot-Mix Asphalt Surface Course, (Special)	200.0	TN	\$95.00	\$19,000.00	\$111.00	\$22,200.00	\$107.00	\$21,400.00	\$96.00	\$19,200.00
11	Bituminous Materials (Tack Coat)	405.0	LBS	\$1.00	\$405.00	\$0.01	\$4.05	\$0.01	\$4.05	\$0.01	\$4.05
12	Portland Cement Concrete Sidewalk 5 Inch	330.0	SF	\$15.00	\$4,950.00	\$10.50	\$3,465.00	\$11.00	\$3,630.00	\$12.00	\$3,960.00
13	Detectable Warnings (Furnished by Others)	20.0	SF	\$20.00	\$400.00	\$10.00	\$200.00	\$10.00	\$200.00	\$12.00	\$240.00
14	Pavement Removal (Special)	1,785.0	SY	\$9.00	\$16,065.00	\$10.00	\$17,850.00	\$9.50	\$16,957.50	\$6.50	\$11,602.50
15	Combination Curb and Gutter Removal	620.0	FT	\$7.00	\$4,340.00	\$6.50	\$4,030.00	\$7.00	\$4,340.00	\$8.00	\$4,960.00
16	Sidewalk Removal	330.0	SF	\$4.50	\$1,485.00	\$1.50	\$495.00	\$1.50	\$495.00	\$1.75	\$577.50
17	Pipe Underdrains 4" (Special)	300.0	FT	\$40.00	\$12,000.00	\$35.00	\$10,500.00	\$33.00	\$9,900.00	\$40.00	\$12,000.00
18	Combination Concrete Curb and Gutter, Varies (Special))	620.0	FT	\$40.00	\$24,800.00	\$38.00	\$23,560.00	\$38.50	\$23,870.00	\$42.50	\$26,350.00
19	Mobilization	1.0	LS	\$7,250.00	\$7,250.00	\$5,000.00	\$5,000.00	\$1,466.00	\$1,466.00	\$3,000.00	\$3,000.00
20	Thermoplastic Pavement Marking - Line 4"	1,000.0	FT	\$3.00	\$3,000.00	\$2.35	\$2,350.00	\$1.35	\$1,350.00	\$15.00	\$15,000.00

Client:

Village of Buffalo Grove

Project:

2025 Pavement Resurfacing Project

GHA Project No:

4798.076

Project Manager:

Peter Lind, P.E.

Bid Opening Date:

1/9/2025

Bid Opening Location:

Virtual

				<i>Engineer's Opinion of Probable Cost</i>		<i>BID TABULATION</i>					
						<i>Builders Paving LLC</i>		<i>Peter Baker & Son Co.</i>		<i>Schroeder Asphalt Services, LLC</i>	
Item No.	Description	Qty	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
21	Traffic Control and Protection (Special)	1.0	LS	\$5,000.00	\$5,000.00	\$2,998.95	\$2,998.95	\$2,264.00	\$2,264.00	\$5,000.00	\$5,000.00
22	Temporary Information Signing	52.0	SF	\$10.00	\$520.00	\$12.00	\$624.00	\$12.50	\$650.00	\$22.00	\$1,144.00
23	Contractor Layout (Special)	1.0	LS	\$1,000.00	\$1,000.00	\$1,000.00	\$1,000.00	\$1.00	\$1.00	\$5,000.00	\$5,000.00
Total Alternate 02:				\$139,502.50		\$134,312.00		\$125,962.05		\$145,323.05	
Total Bid:				\$3,234,742.50		\$2,377,651.00		\$2,539,987.65		\$2,764,309.15	



Local Public Agency Formal Contract

Contractor's Name

Builders Paving, LLC

Contractor's Address

4401 Roosevelt Road

City

Hillside

State

IL

Zip Code

60162

STATE OF ILLINOIS

Local Public Agency

Village of Buffalo Grove

County

Cook

Section Number

Street Name/Road Name

2025 Pavement Resurfacing Project

Type of Funds

General (Local)

☒ CONTRACT BOND (when required)

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature & Date

Submitted/Approved

County Engineer/Superintendent of Highways Signature & Date

For a Municipal Project

Submitted/Approved/Passed

Signature & Date

Official Title

Department of Transportation

☐ Concurrence in approval of award

Regional Engineer Signature & Date

Local Public Agency	Local Street/Road Name	County	Section Number
Village of Buffalo Grove	2025 Pavement Resurfacing Project	Cook	

1. THIS AGREEMENT, made and concluded the 20th day of January 2025 between the Village of Buffalo Grove, known as the party of the first part, and Builders Paving, LLC, its successor, and assigns, known as the party of the second part.

2. For and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring this contract, the party of the second part agrees with said party of the first part, at its own proper cost and expense, to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this contract.

3. It is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section in Village of Buffalo Grove, approved by the Illinois Department of Transportation on , are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, the said parties have executed this contract on the date above mentioned.

Attest: The Village of Buffalo Grove
Local Public Agency Type Name of Local Public Agency

Clerk Signature & Date

(SEAL, if required by the LPA)

Party of the First Part Signature & Date

By:

(If a Corporation)

Corporate Name

President, Party of the Second Part Signature & Date

By:

(If a Limited Liability Corporation)

LLC Name

Manager or Authorized Member, Party of the Second Part

By:

(If a Partnership)

Partner Signature & Date

Partner Signature & Date

Partners doing Business under the firm name of
Party of the Second Part

(If an individual)

Party of the Second Part Signature & Date

Attest:

Secretary Signature & Date

(SEAL, if required by the LPA)

Instructions for BLR 12320 - Page 1 of 2
Instructions are not to be submitted with the form.

This form shall be used to execute Local Public Agency (LPA) contracts. The successful bidder must complete this form for formal contract proposals. Refer to Chapter 12 of the Bureau of Local Roads and Streets Manual (BLRS) for more information. For signature requirements, refer to Chapter 2, Section 3.05(b) of the BLRS Manual.

When filling out this form electronically, once a field is initially completed, fields requiring the same information will auto-populate.

Contractor's Name	Insert Contractor's name.
Contractor's Address	Insert Contractor's address.
Local Public Agency	Insert the name of the LPA.
County	Insert the name of the County in which the LPA is located.
Section Number	Insert the section number assigned to this project without dashes.
Street Name/Road Name	Insert the name of the street/road on which the project is located. For projects that include several streets or routes insert various.
Type of Funds	Insert the type of funds being used to fund this project.
For a County and Road District Project	
Highway Commissioner Signature	For a Road District Project the Highway Commissioner shall sign and date here.
County Engineer/Superintendent of Highways	For a road district project or county project, the County Engineer/Superintendent of Highways shall sign and date here.
For a Municipal Project	
Signature and Date	For a Municipal project the appropriate municipal official shall sign and date here.
Official Title	Insert the title of the official who signed above.
Department of Transportation	
Regional Engineer Signature & Date	Upon a limited review the Regional Engineer shall sign and date here.

#1

Day	Insert the Day the contract is made between the two parties.
Month, Year	Insert the month and year that corresponds to the date listed to the left.
Local Public Agency Type	From the drop-down, select the LPA type.
Local Public Agency	Insert the name of the LPA.

#3

Section Number	Insert the section number without dashes that applies to this project.
Local Public Agency	This field is automatically completed based on previous entries.
Date	Insert the date the documents for bidding were approved by IDOT.

#4

Local Public Agency Type	From the drop-down list, select the LPA type.
Local Public Agency	Insert the name of the local public agency.

Instructions for BLR 12320 - Page 1 of 2

Signatures

Local Public Agency Clerk

LPA Clerk shall sign, seal and date here.

Seal

The Clerk shall seal the document here, if required. If a seal is required, electronic signatures should not be used.

By:

The awarding authority duly designated contracting official must sign and date here.

If a corporation

Corporate Name

If a corporation, insert the name of the corporation, followed by the signature of the corporate president with the date of signature.

Attest

The secretary of the corporation shall sign and date here.

If a partnership

Partner Signature

If a partnership, the first partner must sign and date here. The second partner must sign and date the line below.

Party of the Second Part

If a partnership insert the name of the corporation.

If an Individual

If an individual the successful bidder shall sign and date here.

A minimum of four (4) certified signed originals must be submitted to the Regional Engineer's District office OR email PDF completed form with electronic signatures to your local District LRS office.

Following the Regional Engineer's approval, distribution will be as follows:

Local Public Agency Clerk

Successful Bidder

Engineer (Municipal, Consultant or County)

District File



Contract Bond

Local Public Agency	County	Street Name/Road Name	Section Number
Village of Buffalo Grove	Cook	Various Street Segments	

Bond information to be returned to Local Public Agency at 50 Raupp Blvd., Buffalo Grove, Illinois, 60089.
Complete Address

We, Builders Paving, LLC, 4401 Roosevelt Road, Hillside, Illinois, 60162
Contractor's Name and Address

a/an Corporation organized under the laws of the State of Illinois as PRINCIPAL, and
State

Surety Name and Address

as SURETY, are held and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of
Two Million Six Hundred Fifteen Thousand Four Hundred Sixteen Dollars and Ten Cents
Dollars (\$2,615,416.10) lawful money of the United States, to be paid to said LPA, the payment of which we bind ourselves,
successors and assigns jointly to pay to the LPA this sum under the conditions of this instrument.

WHEREAS, THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that the said Principal has entered into a written contract with the LPA acting through its awarding authority for the construction of work on the above sections, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW, THEREFORE, if the said Principal shall perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to it for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LPA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation shall be void; otherwise it shall remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective agents this _____ day of _____
Day Month and Year

PRINCIPAL

Company Name

By
Signature & Date

Attest
Signature & Date

Company Name

By
Signature & Date

Attest
Signature & Date

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF IL
COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that
Notary Name

Insert name of Individuals signing on behalf of PRINCIPAL

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____
Day Month, Year

(SEAL)

Notary Public Signature & Date

Date commission expires _____

SURETY

Name of Surety

Title

By:

STATE OF IL
COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that
Notary Name

Insert name of Individuals signing on behalf of SURETY

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____
Day Month, Year

(SEAL)

Notary Public Signature & Date

Date commission expires _____

Approved this _____ day of _____
Day Month, Year

Attest:

Local Public Agency Clerk Signature & Date

Local Public Agency Type

Clerk

Awarding Authority

Awarding Authority Signature & Date

Instructions for BLR 12321 - Page 1 of 2

Note: Instructions should not be included when the form is submitted.

This form shall be used to execute Local Public Agency (LPA) contracts submitted. The successful bidder must complete this form when required for contract proposals. Please refer to the Bureau of Local Roads and Streets Manual Chapter 12 for more information. For signature requirements refer to Chapter 2, Section 3.05(b) of the BLRS Manual. When filling out this form electronically, once a field is initially completed, fields requiring the same information will be auto-populated.

Local Public Agency	Insert the name of the LPA.
County	Insert the name of the County in which the LPA is located.
Street Name/Road Name	Insert the name of the street/road on which the project is located. For projects that include several streets or roads insert various.
Section Number	Insert the section number assigned to this project without dashes.
Address	Insert the LPA Address.
Contractor's Name and Address	Insert the contractor's name and address.
Contractor Legal Status Type	Insert Individual, Partnership or Corporation organized based on the contractor's legal status.
State	Insert the name of the state in which the contractor's company is organized.
Surety	Insert the name and address of the surety.
Dollar Amount	Insert the dollar amount of the contract in words, followed in numerical format in ().
Day	Insert the day of the month when the bond is signed by the principal and the surety.
Month and Year	Insert the month and year when the bond is signed by the principal and the surety,

PRINCIPAL

Company Name	Insert the successful bidder's company name.
Signature & Title	The authorized company officer must sign here, and insert their title and date.
Attest	The authorized agent attesting the signature of the successful bidder's authorized officer must sign here and insert their title.
State	Insert the name of the state where the signer(s) personally appeared before the notary public.
County	Insert the name of the county where the signer(s) personally appeared before the notary public.
Notary Name	Insert the name of notary public. Insert the names of the individuals signing on behalf of the principal.
Day	Insert the day of the month the notary public signed and sealed this document.
Month and Year	Insert the month and year the notary public signed and sealed this document.
Commission Expires	Insert the date the notary public's commission expires. To be completed by the notary public.
Notary Public	The notary public must sign here and place their seal.

SURETY

Name of Surety	Insert the surety's name.
Signature & Title	The attorney-in-fact for the surety must sign and seal here.
State	Insert the name of the state where the signer(s) personally appeared before the notary public.
County	Insert the name of the county where the signer(s) personally appeared before the notary public.
Notary Name	Insert the name of notary public.
Name of Signatory on behalf of Surety	Insert the names of the individuals signing on behalf of the Surety.

Instructions for BLR 12321 - Page 2 of 2

Day	Insert the day of the month the notary public signed and sealed this document.
Month and Year	Insert the month and year the notary public signed and sealed this document.
Commission Expires	Insert the date the notary public's commission expires. To be completed by the notary public.
Notary Public	The notary public must sign here and place their seal.

Approved this

Day	Insert the day of the month when the bond was approved by the awarding authority.
Month and Year	Insert the month and year when the bond was approved by the awarding authority.

Attest:

Local Public Agency Clerk Signature	The awarding authority clerk must sign and date here.
Awarding Authority	Insert the name of the awarding authority.
Local Public Agency Type	Insert the type of LPA.
Awarding Authority signature	The awarding authority officer must sign and date here.

Distribution

Upon completion, this document gets inserted into the Formal Contract Proposal (BLR 12200) or the Material Proposal, or Deliver and Install Proposal (BLR 12240) and **must be** submitted with the contractor's bid.

Upon execution of a formal contract, this form is to be submitted with the formal contract package to the Department. For a Material or Deliver and Install project this form is to be maintained by the LPA. Distribution will be the same as with a Formal Contract Proposal or Material Proposal or Deliver and Install Proposal.



COVER SHEET

Proposal Submitted By:

Contractor's Name

Builders Paving, LLC

Contractor's Address

4401 Roosevelt Road

City

Hillside

State

IL

Zip Code

60162

STATE OF ILLINOIS

Local Public Agency

Village of Buffalo Grove

County

Cook

Section Number

Route(s) (Street/Road Name)

2025 Pavement Resurfacing Project

Type of Funds

(General) Local

☐ Proposal Only ☐ Proposal and Plans ☒ Proposal only, plans are separate

Submitted/Approved

For Local Public Agency:

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature & Date

Submitted/Approved

County Engineer/Superintendent of Highways Signature & Date

For a Municipal Project

Submitted/Approved/Passed

Signature & Date

Official Title

Department of Transportation

Released for bid based on limited review

Regional Engineer Signature & Date

Note: All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Buffalo Grove	Cook		2025 Pavement Resurfacing Pr

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of www.vbg.org/bids

	Name of Office	until 10:00 AM	on 01/09/25
Address		Time	Date

Sealed proposals will be opened and read publicly at the office of a live, online meeting hosted by the Village,

	Name of Office	at 10:00 AM	on 01/09/25
Address		Time	Date

DESCRIPTION OF WORK

Location	Project Length
Rolling Hills Subdivision, Indian Creek Drive, Indian Creek Court	10,946' (2.1 Miles)

Proposed Improvement

Pavement Removal; Curb and Gutter Removal and Replacement at Various Locations; Sidewalk Removal and Replacement at Various Locations; Drainage and Utility Structure Adjustments; Preparation of Base; Aggregate Subgrade Improvements; Aggregate Base Repair; Hot-Mix Asphalt Pavement; Landscape Restoration; and other associated improvements.

1. Plans and proposal forms will be available in the office of

www.vbg.org/bids
Office of the Purchasing Manager - (847) 459-2500

2. ☒ Prequalification

If checked, the 2 apparent as read low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57) in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and two originals with the IDOT District Office.

3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.
4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:
 - a. Local Public Agency Formal Contract Proposal (BLR 12200)
 - b. Schedule of Prices (BLR 12201)
 - c. Proposal Bid Bond (BLR 12230) (if applicable)
 - d. Apprenticeship or Training Program Certification (BLR 12325) (do not use for project with Federal funds.)
 - e. Affidavit of Illinois Business Office (BLR 12326) (do not use for project with Federal funds)
5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.
6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.
7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.
8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.
9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Buffalo Grove	Cook		2025 Pavement Resurfacing Pr

PROPOSAL

1. Proposal of _____ Builders Paving, LLC
Contractor's Name
4401 Roosevelt Road, Hillside, IL 60162
Contractor's Address
2. The plans for the proposed work are those prepared by BLA, Inc and Gewalt Hamilton Associates, Inc.
and approved by the Department of Transportation on _____.
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the " Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
5. The undersigned agrees to complete the work within _____ working days or by 10/10/25 unless additional time is granted in accordance with the specifications.
6. The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond of check shall be forfeited to the Awarding Authority.
7. Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the products of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price. A bid may be declared unacceptable if neither a unit price nor a total price is shown.
8. The undersigned submits herewith the schedule of prices on BLR 12201 covering the work to be performed under this contract.
9. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12201, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.
10. A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond, if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to: Village Treasurer of Buffalo Grove.
The amount of the check is _____ (_____).

Attach Cashier's Check or Certified Check Here

In the event that one proposal guaranty check is intended to cover two or more bid proposals, the amount must be equal to the sum of the proposal guaranties which would be required for each individual bid proposal. If the proposal guaranty check is placed in another bid proposal, state below where it may be found.

The proposal guaranty check will be found in the bid proposal for: Section Number _____.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Buffalo Grove	Cook		2025 Pavement Resurfacing Pr

CONTRACTOR CERTIFICATIONS

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedure established by the appropriate Revenue Act, its liability for the tax or the amount of the tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense, or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State of Local government. No corporation shall be barred from contracting with any unit of State or Local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that, it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be canceled.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Buffalo Grove	Cook		2025 Pavement Resurfacing Pr

SIGNATURES

(If an individual)

Bidder Signature & Date

--

Business Address

--

City

State

Zip Code

--	--	--

(If a partnership) Limited Liability Company

Firm Name

Builders Paving, LLC

Signature & Date

	1/9/25
--	--------

Title

Steven Salinas, Vice President

Business Address

4401 Roosevelt Road

City

State

Zip Code

Hillside	IL	60162
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Insert the Names and Addresses of all Partners

SKEJG, LLC
321 Center Street
Hillside, IL 60162

(If a corporation)

Corporate Name

--

Signature & Date

--

Title

--

Business Address

--

City

State

Zip Code

--	--	--

Insert Names of Officers

President

--

Attest:

Secretary

Secretary

Treasurer

SCHEDULE OF PRICES**Base Bid Scope of Work:**

For the complete scope of work and information covering these items, see the plans and specifications.

2025 PAVEMENT RESURFACING PROJECT

The following Unit Prices will be used for basis of payment and shall be the bidder's proposal for completing the entire improvements herein.

BASE BID

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
1	TREE ROOT PRUNING	50.0	EA	\$ 110.00	\$ 5500.00
2	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	530.0	CY	\$ 25.00	\$ 13,250.00
3	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	1,590.0	SY	\$ 1.00	\$ 1590.00
4	GENERAL LANDSCAPE RESTORATION (SPECIAL)	1,430.0	SY	\$ 18.30	\$ 26169.00
5	SUPPLEMENTAL WATERING	53.0	EA	\$ 40.00	\$ 2120.00
6	TEMPORARY LANDSCAPE RESTORATION (SPECIAL)	115.0	SY	\$ 14.00	\$ 1610.00
7	TEMPORARY EROSION CONTROL SEEDING (SPECIAL)	115.0	SY	\$ 4.30	\$ 494.50
8	INLET FILTERS	62.0	EA	\$ 130.00	\$ 8060.00
9	AGGREGATE SUBGRADE IMPROVEMENT	530.0	CY	\$ 25.00	\$ 13250.00
10	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	10,530.0	TN	\$ 10.00	\$ 105300.00
11	PREPARATION OF BASE	31,630.0	SY	\$ 2.00	\$ 63260.00
12	HOT-MIX ASPHALT BINDER COURSE, (SPECIAL)	4,445.0	TN	\$ 82.00	\$ 364490.00
13	HOT-MIX ASPHALT SURFACE COURSE, (SPECIAL)	3,595.0	TN	\$ 88.00	\$ 316360.00
14	BITUMINOUS MATERIALS (TACK COAT)	18,995.0	LBS	\$ 0.01	\$ 189.95
15	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	255.0	SY	\$ 90.00	\$ 22950.00
16	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	14,150.0	SF	\$ 10.50	\$ 148575.00
17	DETECTABLE WARNINGS (SPECIAL)	270.0	SF	\$ 42.50	\$ 11475.00
18	DETECTABLE WARNINGS (FURNISHED BY OTHERS)	145.0	SF	\$ 10.00	\$ 1450.00
19	PAVEMENT REMOVAL (SPECIAL)	31,630.0	SY	\$ 8.50	\$ 268855.00
20	DRIVEWAY PAVEMENT REMOVAL (SPECIAL)	255.0	SY	\$ 15.00	\$ 3825.00
21	COMBINATION CURB AND GUTTER REMOVAL	2,860.0	FT	\$ 6.50	\$ 18590.00
22	SIDEWALK REMOVAL	15,345.0	SF	\$ 1.50	\$ 23017.50
23	CLASS D PATCHES, TYPE I, 4 INCH	10.0	SY	\$ 120.00	\$ 1200.00
24	PIPE UNDERDRAINS 4" (SPECIAL)	5,500.0	FT	\$ 35.00	\$ 192500.00
25	DRAINAGE STRUCTURES TO BE CLEANED	10.0	EA	\$ 400.00	\$ 4000.00
26	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	5.0	EA	\$ 1550.00	\$ 7750.00
27	COMBINATION CONCRETE CURB AND GUTTER, VARIES (SPECIAL))	2,860.0	FT	\$ 38.00	\$ 108680.00
28	MOBILIZATION	1.0	LS	\$ 114999.85	\$ 114999.85
29	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	40.0	SF	\$ 9.38	\$ 375.20
30	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	100.0	FT	\$ 3.00	\$ 300.00
32	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED (SPECIAL)	41.0	EA	\$ 450.00	\$ 18450.00
33	SANITARY MANHOLES TO BE ADJUSTED (SPECIAL)	3.0	EA	\$ 1250.00	\$ 3750.00
34	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	\$ 18000.00	\$ 18000.00
35	TEMPORARY INFORMATION SIGNING	78.0	SF	\$ 12.00	\$ 936.00
36	CONTRACTOR LAYOUT (SPECIAL)	1.0	LS	\$ 10000.00	\$ 10000.00

PROPOSAL OF UNIT PRICE BASE BID TOTAL: \$ 1,901,322.00

Written Amount for Proposal of Unit Price Base Bid Total:

ONE MILLION NINE HUNDRED ONE THOUSAND THREE HUNDRED TWENTY TWO AND 00/100

ALTERNATE 01

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
1	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	100.0	CY	\$ 25.00	\$ 2500.00
2	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	290.0	SY	\$ 1.00	\$ 290.00
3	GENERAL LANDSCAPE RESTORATION (SPECIAL)	290.0	SY	\$ 18.30	\$ 5307.00
4	SUPPLEMENTAL WATERING	3.0	EA	\$ 40.00	\$ 120.00
5	INLET FILTERS	9.0	EA	\$ 130.00	\$ 1170.00
6	AGGREGATE SUBGRADE IMPROVEMENT	100.0	CY	\$ 25.00	\$ 2500.00
7	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	60.0	TN	\$ 10.00	\$ 600.00
8	PREPARATION OF BASE	5,820.0	SY	\$ 2.00	\$ 11640.00
9	HOT-MIX ASPHALT BINDER COURSE, (SPECIAL)	815.0	TN	\$ 82.00	\$ 66830.00
10	HOT-MIX ASPHALT SURFACE COURSE, (SPECIAL)	655.0	TN	\$ 88.00	\$ 57640.00
11	BITUMINOUS MATERIALS (TACK COAT)	1,315.0	LBS	\$ 0.01	\$ 13.15
12	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	135.0	SY	\$ 90.00	\$ 12150.00
13	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	4,390.0	SF	\$ 10.50	\$ 46095.00
14	DETECTABLE WARNINGS (FURNISHED BY OTHERS)	84.0	SF	\$ 10.00	\$ 840.00
15	PAVEMENT REMOVAL (SPECIAL)	5,820.0	SY	\$ 6.75	\$ 39,285.00
16	DRIVEWAY PAVEMENT REMOVAL (SPECIAL)	135.0	SY	\$ 15.00	\$ 2025.00
17	COMBINATION CURB AND GUTTER REMOVAL	790.0	FT	\$ 6.50	\$ 5135.00
18	SIDEWALK REMOVAL	4,455.0	SF	\$ 1.50	\$ 6682.50
19	PIPE UNDERDRAINS 4" (SPECIAL)	800.0	FT	\$ 35.00	\$ 28000.00
20	COMBINATION CONCRETE CURB AND GUTTER, VARIES (SPECIAL))	790.0	FT	\$ 38.00	\$ 30020.00
21	MOBILIZATION	1.0	LS	\$ 7500.35	\$ 7500.35
22	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED (SPECIAL)	11.0	EA	\$ 450.00	\$ 4950.00
23	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	\$ 5600.00	\$ 5600.00
24	TEMPORARY INFORMATION SIGNING	52.0	SF	\$ 12.00	\$ 624.00
25	CONTRACTOR LAYOUT (SPECIAL)	1.0	LS	\$ 4500.00	\$ 4500.00

PROPOSAL OF UNIT PRICE ALTERNATE 01 BID TOTAL: \$ 342,017.00

Written Amount for Proposal of Unit Price Alternate 01 Bid Total:

THREE HUNDRED FORTY TWO THOUSAND SEVENTEEN AND 00/100

ALTERNATE 02

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
1	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	30.0	CY	\$ 25.00	\$ 750.00
2	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	90.0	SY	\$ 1.00	\$ 90.00
3	GENERAL LANDSCAPE RESTORATION (SPECIAL)	150.0	SY	\$ 18.30	\$ 2745.00
4	SUPPLEMENTAL WATERING	1.0	EA	\$ 40.00	\$ 40.00
5	INLET FILTERS	4.0	EA	\$ 130.00	\$ 520.00
6	AGGREGATE SUBGRADE IMPROVEMENT	30.0	CY	\$ 25.00	\$ 750.00
7	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	100.0	TN	\$ 10.00	\$ 1000.00

8	PREPARATION OF BASE	1,785.0	SY	\$ 4.00	\$ 7140.00
9	HOT-MIX ASPHALT BINDER COURSE, (SPECIAL)	250.0	TN	\$ 108.00	\$ 27000.00
10	HOT-MIX ASPHALT SURFACE COURSE, (SPECIAL)	200.0	TN	\$ 111.00	\$ 22200.00
11	BITUMINOUS MATERIALS (TACK COAT)	405.0	LBS	\$ 0.01	\$ 4.05
12	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	330.0	SF	\$ 10.50	\$ 3465.00
13	DETECTABLE WARNINGS (FURNISHED BY OTHERS)	20.0	SF	\$ 10.00	\$ 200.00
14	PAVEMENT REMOVAL (SPECIAL)	1,785.0	SY	\$ 10.00	\$ 17850.00
15	COMBINATION CURB AND GUTTER REMOVAL	620.0	FT	\$ 6.50	\$ 4030.00
16	SIDEWALK REMOVAL	330.0	SF	\$ 1.50	\$ 495.00
17	PIPE UNDERDRAINS 4" (SPECIAL)	300.0	FT	\$ 35.00	\$ 10500.00
18	COMBINATION CONCRETE CURB AND GUTTER, VARIES (SPECIAL))	620.0	FT	\$ 38.00	\$ 23560.00
19	MOBILIZATION	1.0	LS	\$ 5000.00	\$ 5000.00
20	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	1,000.0	FT	\$ 2.35	\$ 2350.00
21	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	\$ 2998.95	\$ 2998.95
22	TEMPORARY INFORMATION SIGNING	52.0	SF	\$ 12.00	\$ 624.00
23	CONTRACTOR LAYOUT (SPECIAL)	1.0	LS	\$ 1000.00	\$ 1000.00

PROPOSAL OF UNIT PRICE ALTERNATE 02 BID TOTAL: \$ 134,312.00

Written Amount for Proposal of Unit Price Alternate 02 Bid Total:

ONE HUNDRED THIRTY FOUR THOUSAND THREE HUNDRED TWELVE AND ⁰⁰/₁₀₀



Local Public Agency	County	Street Name/Road Name	Section Number
Village of Buffalo Grove	Cook	Various Street Segments	

I, Builders Paving, LLC of Hillside, Illinois,
Name of Affiant City of Affiant State of Affiant
 being first duly sworn upon oath, state as follows:

1. That I am the Vice President of Builders Paving, LLC.
Officer or Position Bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under the proposal described above, Builders Paving, LLC, will maintain a business office in the
Bidder
 State of Illinois, which will be located in Cook County, Illinois.
County
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.



Signature & Date	
	1/9/25
Print Name of Affiant	
Steven Salinas, Vice President	

Notary Public

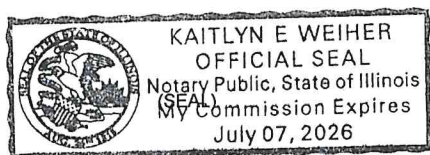
State of IL

County Cook

Signed (or subscribed or attested) before me on 1/9/25 by
(date)

Steven Salinas, authorized agent(s) of
(name/s of person/s)

Builders Paving, LLC
Bidder



Notary Public Signature & Date	
	1/9/25
My commission expires <u>7/7/26</u>	

EXHIBIT A - PUBLIC CONTRACT STATEMENT

This Public Contract Statement (the "Contract Statement") has been executed by the below supplier, Contractor or vendor (collectively the "Contractor") in order for the Village of Buffalo Grove to obtain certain information necessary prior to awarding a public contract. The Contract Statement shall be executed and notarized and submitted as part of the Bid Proposal.

CERTIFICATION OF CONTRACTOR/BIDDER

In order to comply with 720 Illinois Compiled Statutes 5/33 E-1 et seq., the Village of Buffalo Grove requires the following certification be acknowledged:

The Contractor certifies that it is not barred from bidding or supplying any goods, services or construction let by the Village of Buffalo Grove with or without bid, due to any violation of either Section 5/33 E-3 or 5/33 E-4 of Article 33E, Public Contracts, of the Chapter 720 of the Illinois Compiled Statutes, as amended. This act relates to interference with public contracting, bid rigging and rotating, kickbacks, and bidding.

CERTIFICATION RELATIVE TO 65 ILCS 5/11-42.1.1

In order to comply with 65 Illinois Compiled Statutes 5/11-42.1.1, the Village of Buffalo Grove requires the following certification:

The Contractor does hereby swear and affirm that it is not delinquent in the payment of any tax administered by the Illinois Department of Revenue unless it is contesting such tax in accordance with the procedures established by the appropriate revenue act, its liability for the tax or the amount of the tax. The undersigned further understands that making a false statement herein: (1) is a Class A misdemeanor, and (2) voids the contract and allows the Village to recover all amounts paid to it under the contract.

CONFLICT OF INTEREST

The Village of Buffalo Grove Municipal Code requires the following verification relative to conflict of interest and compliance with general ethics requirements of the Village:

The Contractor represents and warrants to the Village of Buffalo Grove as a term and condition of acceptance of their Bid Proposal that none of the following Village officials is either an officer or director of Contractor nor owns five percent (5%) or more of the Contractor: the Village President, the members of the Village Board of Trustees, the Village Clerk, the Village Treasurer, the members of the Zoning Board of Appeals and the Plan Commission, the Village Manager and his/her Assistant, or the heads of the various departments within the Village.

If the foregoing representation and warranty is inaccurate, state the name of the Village official who either is an officer or director of your business entity or owns five percent (5%) or more thereof: N/A

OTHER COMMITMENTS

Has your firm ever been debarred by a governmental agency in the State of Illinois within the last 7 years? If no, please check the box. ☒

I have read, understand and am able to fulfill the requirements of the contract documents. If yes, please check the box. ☒

I can provide insurance documents that meet the terms of the contract documents, which includes original endorsements that explicitly names the Village of Buffalo Grove (and others per the contract documents). If yes, please check the box. ☒

In the past 7 years has your firm been involved in litigation, arbitration, or mediation with a governmental agency? If no, please check the box. ☒ If yes, please provide a brief description.

IN WITNESS WHEREOF, the below Contractor has signed and sealed this Contract Statement as of this 9th day of January, 2025.



Builders Paving, LLC

Print Name of Contractor

Signature

Steven Salinas, Vice President

Print Title



Given under my hand and official seal, this 9th day of January, 2025.

Kaitlyn E. Weiher
Notary Public

ADDENDUM 01
FOR
2025 PAVEMENT RESURFACING PROJECT
VILLAGE OF BUFFALO GROVE, IL
VoBG-2024-32

Date of Addendum: Friday, January 3, 2025
Bid Due Date: 10:00 AM Thursday, January 9, 2025

Description of Addendum:

The following items provide additional clarification and modifications to the bid documents and are made a part of the bid documents for the Village of Buffalo Grove's '2025 Pavement Resurfacing Project'. It is the bidder's responsibility to review all bid documents thoroughly in preparation of their bid. Additionally, this addendum shall be attached to the bid proposal.

Plan & Specification Modifications or Clarifications:

1. A revised plan set is included with this addendum. This shall replace the respective plan set previously included in the bid documents.
2. Construction layout will be performed by the Engineer.
3. Frame and lid manufacturers shall be consistent within the project limits as indicated within Exhibit No. 109, unless written approval from the Village and Engineer is provided.

PLEASE NOTE AND INCLUDE THIS ADDENDUM IN YOUR RESPONSE:

PROSPECTIVE RESPONDER: Builders Paving, LLC

SIGNED:  Steven Salinas, Vice President DATE: 1/9/25

End of Addendum 01

ADDENDUM 02
FOR
2025 PAVEMENT RESURFACING PROJECT
VILLAGE OF BUFFALO GROVE, IL
VoBG-2024-32

Date of Addendum: Friday, January 3, 2025
Bid Due Date: 10:00 AM Thursday, January 9, 2025

Description of Addendum:

The following items provide additional clarification and modifications to the bid documents and are made a part of the bid documents for the Village of Buffalo Grove's '2025 Pavement Resurfacing Project'. It is the bidder's responsibility to review all bid documents thoroughly in preparation of their bid. Additionally, this addendum shall be attached to the bid proposal.

Plan & Specification Modifications or Clarifications:

1. A revised plan set is included with this addendum. No changes were made to the plan since Addendum 1 however various plan sheets previously included in the base bid were inadvertently omitted in Addendum 1. That has been rectified. **This shall replace the respective plan set previously included in the bid documents.**

PLEASE NOTE AND INCLUDE THIS ADDENDUM IN YOUR RESPONSE:

PROSPECTIVE RESPONDER: Builders Paving, LLC

SIGNED:  Steven Salinas, Vice President DATE: 1/9/25

End of Addendum 02

January 9, 2025

Re: Affidavit of Availability, Letting 1/9/25

To Whom This May Concern:

Per the Illinois Department of Transportation Rules for Prequalification of Contractors, Builders Paving, LLC is requesting to forego the filing of an Affidavit of Availability (BC-57), under Section 650.310 Sub D, based upon our Super Unlimited Financial rating and Unlimited HMA Plant Mix rating as shown on the attached IDOT Certificate of Eligibility.

Sincerely,

Builders Paving, LLC

Steven Salinas

Steven Salinas
Vice President
ssalinas@builderspavingllc.com



Certificate of Eligibility

Builders Paving, LLC
4401 W. Roosevelt Road HILLSIDE, IL 60162
Contractor No 2341

WHO HAS FILED WITH THE DEPARTMENT AN APPLICATION FOR PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION IS HEREBY QUALIFIED TO BID AT ANY OF DEPARTMENT OF TRANSPORTATION LETTINGS IN THE CLASSES OF WORK AND WITHIN THE AMOUNT AND OTHER LIMITATIONS OF EACH CLASSIFICATION, AS LISTED BELOW, FOR SUCH PERIOD AS THE UNCOMPLETED WORK FROM ALL SOURCES DOES NOT EXCEED

SUPER UNLIMITED

001	EARTHWORK	\$3,600,000
003	HMA PLANT MIX	Unlimited
017	CONCRETE CONSTRUCTION	\$13,450,000
032	COLD MILL, PLAN. & ROTOMILL	\$13,775,000
08A	AGGREGATE BASES & SURF. (A)	\$4,850,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 6/3/2024 TO 4/30/2025 INCLUSIVE, AND SUPERSEDES ANY CERTIFICATE PREVIOUSLY ISSUED, BUT IS SUBJECT TO REVISION OR REVOCATION, IF AND WHEN CHANGES IN THE FINANCIAL CONDITION OF THE CONTRACTING FIRM OR OTHER FACTS JUSTIFY SUCH REVISIONS OR REVOCATION. ISSUED AT SPRINGFIELD, ILLINOIS ON 6/3/2024.


Engineer of Construction



**Local Public Agency
Proposal Bid Bond**

Local Public Agency	County	Section Number
Village of Buffalo Grove	Cook	

WE, Builders Paving, LLC as PRINCIPAL, and
Fidelity and Deposit Company of Maryland as SURETY, are held jointly,
severally and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of 5% of the total bid
price, or for the amount specified in the proposal documents in effect on the date of invitation for bids, whichever is the lesser sum. We
bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LPA this sum under the conditions of this
instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written
proposal to the LPA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LPA for the above designated section
and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful
performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road
and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in
full force and effect.

IN THE EVENT the LPA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any
requirements set forth in the preceding paragraph, then the LPA acting through its awarding authority shall immediately be entitled to
recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their
respective officers this 9th of January, 2025
Day Month and Year

Principal

Company Name
Builders Paving, LLC

Signature & Date
By: [Signature] 1/9/2025

Title
Steven Salinas Vice President

(If Principal is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be
affixed.)

Surety

Name of Surety
Fidelity and Deposit Company of Maryland

Company Name
Builders Paving, LLC

Signature & Date
By: [Signature] January 9, 2025

Title
James I. Moore

Signature of Attorney-in-Fact Signature & Date
By: [Signature] January 9, 2025

James I. Moore

STATE OF Illinois
COUNTY OF DuPage

I Maria A. Gonzalez, a Notary Public in and for said county do hereby certify that

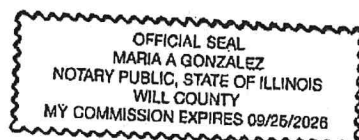
Steven Salinas and James I. Moore

(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of
PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said
instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 9th day of January, 2025.
Day Month and Year

(SEAL,



Notary Public Signature & Date

[Signature]
Date commission expires September 25, 2026

Village of Buffalo Grove

Cook

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ELECTRONIC BID BOND

The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Bond Form. By providing an electronic bid bond ID code and signing below, the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the LPA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

[illegible]

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Bond Number: Bid Bond

Obligee: Village of Buffalo Grove

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by Robert D. Murray, Vice President, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **James I. Moore**, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND, this 10th day of October, A.D. 2023.



ATTEST:
ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND

A handwritten signature of Robert D. Murray in black ink.

By: Robert D. Murray
Vice President

A handwritten signature of Dawn E. Brown in black ink.

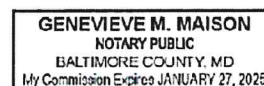
By: Dawn E. Brown
Secretary

State of Maryland
County of Baltimore

On this 10th day of October, A.D. 2023, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, Robert D. Murray, Vice President and Dawn E. Brown, Secretary of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, deposeth and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Genevieve M. Maison



Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

EXTRACT FROM BY-LAWS OF THE COMPANIES

"Article V, Section 8, Attorneys-in-Fact. The Chief Executive Officer, the President, or any Executive Vice President or Vice President may, by written instrument under the attested corporate seal, appoint attorneys-in-fact with authority to execute bonds, policies, recognizances, stipulations, undertakings, or other like instruments on behalf of the Company, and may authorize any officer or any such attorney-in-fact to affix the corporate seal thereto; and may with or without cause modify or revoke any such appointment or authority at any time."

CERTIFICATE

I, the undersigned, Vice President of the ZURICH AMERICAN INSURANCE COMPANY, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND, do hereby certify that the foregoing Power of Attorney is still in full force and effect on the date of this certificate; and I do further certify that Article V, Section 8, of the By-Laws of the Companies is still in force.

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the ZURICH AMERICAN INSURANCE COMPANY at a meeting duly called and held on the 15th day of December 1998.

RESOLVED: "That the signature of the President or a Vice President and the attesting signature of a Secretary or an Assistant Secretary and the Seal of the Company may be affixed by facsimile on any Power of Attorney...Any such Power or any certificate thereof bearing such facsimile signature and seal shall be valid and binding on the Company."

This Power of Attorney and Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at a meeting duly called and held on the 5th day of May, 1994, and the following resolution of the Board of Directors of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at a meeting duly called and held on the 10th day of May, 1990.

RESOLVED: "That the facsimile or mechanically reproduced seal of the company and facsimile or mechanically reproduced signature of any Vice-President, Secretary, or Assistant Secretary of the Company, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power of attorney issued by the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seals of the said Companies, this 9th day of January, 2025.



MJ Pethick

By: Mary Jean Pethick
Vice President

TO REPORT A CLAIM WITH REGARD TO A SURETY BOND, PLEASE SUBMIT A COMPLETE DESCRIPTION OF THE CLAIM INCLUDING THE PRINCIPAL ON THE BOND, THE BOND NUMBER, AND YOUR CONTACT INFORMATION TO:

Zurich Surety Claims
1299 Zurich Way
Schaumburg, IL 60196-1056
reportsfclaims@zurichna.com
800-626-4577

Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790



VILLAGE OF BUFFALO GROVE ILLINOIS

CERTIFICATE OF REGISTRATION

THIS IS TO CERTIFY THAT **BUILDERS PAVING LLC**
OF **4401 ROOSEVELT RD**
HILLSIDE, IL 60162

HAVING COMPLIED WITH THE REGISTRATION REQUIREMENTS OF THE VILLAGE OF
BUFFALO GROVE, ILLINOIS, IS HEREBY RECORDED AS A REGISTERED

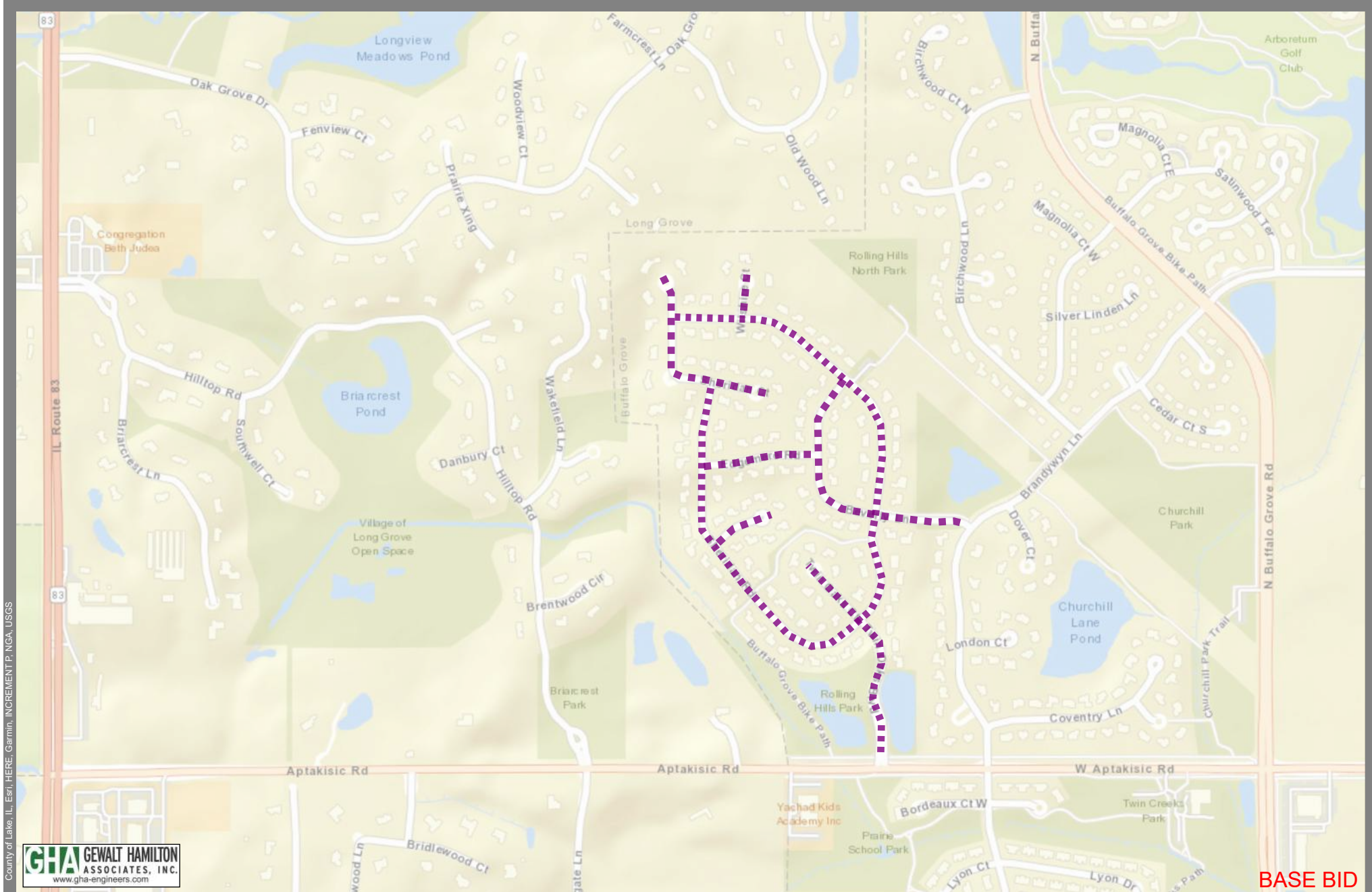
ASPHALT CONTRACTOR

THIS CERTIFICATE MAY BE REVOKED OR SUSPENDED FOR CAUSE OR INSUFFICIENT LICENSING.

REGISTRATION NO. CAS25-0164

EXPIRES 12/31/2025

DIRECTOR OF
COMMUNITY DEVELOPMENT



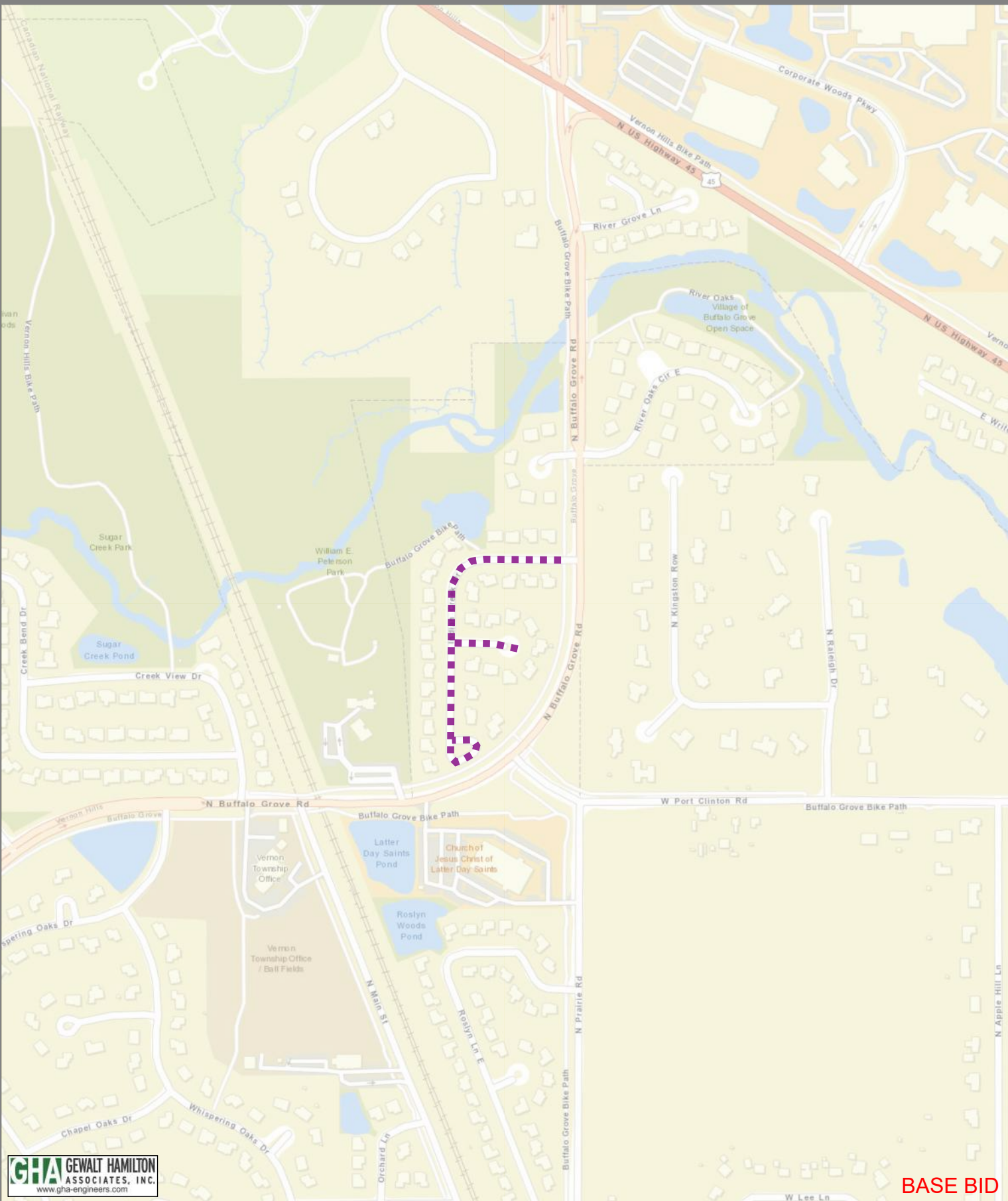
BASE BID



1 in = 700 ft

2025 Pavement Resurfacing Project

Village of Buffalo Grove



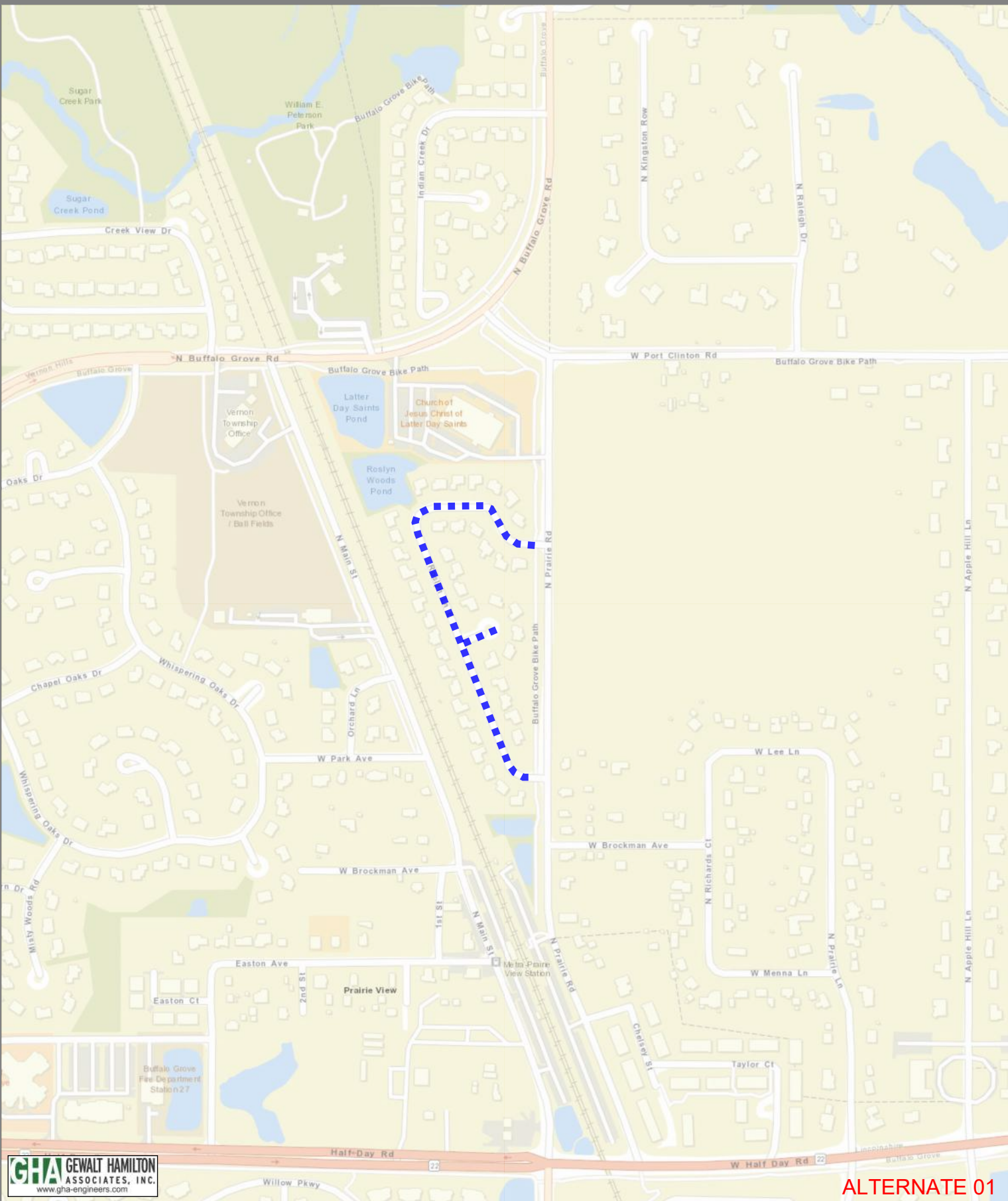
BASE BID



1 in = 500 ft

2025 Pavement Resurfacing Project

Village of Buffalo Grove



ALTERNATE 01



1 in = 500 ft

2025 Pavement Resurfacing Project

Village of Buffalo Grove



ALTERNATE 02



1 in = 500 ft

2025 Pavement Resurfacing Project

Village of Buffalo Grove

Description of Work
2025 Pavement Resurfacing Project
Village of Buffalo Grove

The following is a list of streets including limits, lengths, area, and a brief description of work:

BASE BID:

Street	From/To	Length	Area
Sheridan Road	Sheridan Court to Tree Farm Court	4,939 FT (0.935 miles)	12,540 SY
Sheridan Court	Tree Farm Court to East End	295 FT (0.056 miles)	3,065 SY
Tree Farm Court	North End to Sheridan Road	226 FT (0.042 miles)	955 SY
Twin Oaks Court	North End to Sheridan Road	400 FT (0.076 miles)	1,465 SY
Twin Oaks Boulevard	Sheridan Road to Aptakisic Road	786 FT (0.149 miles)	2,380 SY
Wilshire Court	North End to Sheridan Road	225 FT (0.042 miles)	1,040 SY
Summer Court	Sheridan Road to East End	340 FT (0.064 miles)	1,245 SY
Edgemere Road	Sheridan Road to Beverly Lane	625 FT (0.118 miles)	1,820 SY
Beverly Lane	Sheridan Road to Brandywyn Lane	1,215 FT (0.230 miles)	3,995 SY
Indian Creek Drive	Buffalo Grove Road to South End	1,475 FT (0.279 miles)	4,180 SY
Indian Creek Court	Indian Creek Drive to East End	420 FT (0.079 miles)	1,125 SY
		Totals: 10,946 FT (2.073 miles)	33,810 SY

Roadway Improvements. The above street segments will include pavement removal, curb and gutter removal and replacement at various locations, sidewalk removal and replacement at various locations, drainage and utility structure adjustments, preparation of base, aggregate subgrade improvements and base repair, hot-mix-asphalt pavement installation, landscape restoration and other associated improvements.

ALTERNATE 01:

Street	From/To	Length	Area
Roslyn Lane	Prairie Road to Prairie Road	1,780 FT (0.337 miles)	5,030 SY
Roslyn Court	Roslyn Lane to East End	250 FT (0.047 miles)	790 SY
		Totals: 2,030 FT (0.384 miles)	5,820 SY

Roadway Improvements. The above street segments will include pavement removal, curb and gutter removal and replacement at various locations, sidewalk removal and replacement at various locations, drainage and utility structure adjustments, preparation of base, aggregate subgrade improvements and base repair, hot-mix-asphalt pavement installation, landscape restoration and other associated improvements.

ALTERNATE 02:

Street	From/To	Length	Area
Easton Avenue	Village Limits to IL Route 22	590 FT (0.112 miles)	1,785 SY
		Totals: 590 FT (0.112 miles)	1,785 SY

Roadway Improvements. The above street segments will include pavement removal, curb and gutter removal and replacement at various locations, sidewalk removal and replacement at various locations, drainage and utility structure adjustments, preparation of base, aggregate subgrade improvements and base repair, hot-mix-asphalt pavement installation, landscape restoration and other associated improvements.

SUMMARY OF QUANTITIES - BASE					Rolling Hills Subdivision (From BLA)	Indian Creek Drive (Buffalo Grove Rd to South End)	Indian Creek Court (Indian Creek Dr to East End)
SP	ITEM NO	DESCRIPTION	QUANTITY	UNIT			
	1	TREE ROOT PRUNING	50.0	EA	50.0		
	2	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	530.0	CY	440.0	70.0	20.0
	3	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	1590.0	SY	1,320.0	210.0	60.0
*	4	GENERAL LANDSCAPE RESTORATION (SPECIAL)	1430.0	SY	1,135.0	265.0	30.0
	5	SUPPLEMENTAL WATERING	53.0	EA	50.0	2.0	1.0
*	6	TEMPORARY LANDSCAPE RESTORATION (SPECIAL)	115.0	SY	115.0		
*	7	TEMPORARY EROSION CONTROL SEEDING (SPECIAL)	115.0	SY	115.0		
	8	INLET FILTERS	62.0	EA	55.0	5.0	2.0
	9	AGGREGATE SUBGRADE IMPROVEMENT	530.0	CY	440.0	70.0	20.0
*	10	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	10530.0	TN	10,000.0	400.0	130.0
	11	PREPARATION OF BASE	31630.0	SY	26,325.0	4,180.0	1,125.0
*	12	HOT-MIX ASPHALT BINDER COURSE, (SPECIAL)	4445.0	TN	3,700.0	585.0	160.0
*	13	HOT-MIX ASPHALT SURFACE COURSE, (SPECIAL)	3595.0	TN	3,000.0	470.0	125.0
	14	BITUMINOUS MATERIALS (TACK COAT)	18995.0	LBS	17,800.0	940.0	255.0
	15	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	255.0	SY	110.0	110.0	35.0
	16	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	14150.0	SF	11,225.0	2,225.0	700.0
*	17	DETECTABLE WARNINGS (SPECIAL)	270.0	SF	270.0		
*	18	DETECTABLE WARNINGS (FURNISHED BY OTHERS)	145.0	SF	125.0		20.0
*	19	PAVEMENT REMOVAL (SPECIAL)	31630.0	SY	26,325.0	4,180.0	1,125.0
*	20	DRIVEWAY PAVEMENT REMOVAL (SPECIAL)	255.0	SY	110.0	110.0	35.0
	21	COMBINATION CURB AND GUTTER REMOVAL	2860.0	FT	2,010.0	725.0	125.0
	22	SIDEWALK REMOVAL	15345.0	SF	12,150.0	2,425.0	770.0
	23	CLASS D PATCHES, TYPE I, 4 INCH	10.0	SY	10.0		
*	24	PIPE UNDERDRAINS 4" (SPECIAL)	5500.0	FT	4,800.0	500.0	200.0
	25	DRAINAGE STRUCTURES TO BE CLEANED	10.0	EA	10.0		
	26	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	5.0	EA	5.0		
*	27	COMBINATION CONCRETE CURB AND GUTTER, VARIES (SPECIAL))	2860.0	FT	2,010.0	725.0	125.0
	28	MOBILIZATION	1.0	LS	0.85	0.10	0.05
	29	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	40.0	SF	40.0		
	30	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	100.0	FT	100.0		
*	32	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED (SPECIAL)	41.0	EA	32.0	7.0	2.0
*	33	SANITARY MANHOLES TO BE ADJUSTED (SPECIAL)	3.0	EA	3.0		
*	34	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	0.85	0.10	0.05
*	35	TEMPORARY INFORMATION SIGNING	78.0	SF	52.0	26.0	
*	36	CONTRACTOR LAYOUT (SPECIAL)	1.0	LS	0.85	0.10	0.05

* Special Provision Required.

SUMMARY OF QUANTITIES - ALTERNATE 01					Roslyn Lane (Prairie Rd to Prairie Rd)	Roslyn Court (Roslyn Ln to East End)
SP	ITEM NO	DESCRIPTION	QUANTITY	UNIT		
	1	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	100.0	CY	85.0	15.0
	2	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	290.0	SY	250.0	40.0
	3	GENERAL LANDSCAPE RESTORATION (SPECIAL)	290.0	SY	265.0	25.0
	4	SUPPLEMENTAL WATERING	3.0	EA	2.0	1.0
	5	INLET FILTERS	9.0	EA	7.0	2.0
	6	AGGREGATE SUBGRADE IMPROVEMENT	100.0	CY	85.0	15.0
*	7	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	60.0	TN	30.0	30.0
	8	PREPARATION OF BASE	5820.0	SY	5,030.0	790.0
*	9	HOT-MIX ASPHALT BINDER COURSE, (SPECIAL)	815.0	TN	705.0	110.0
*	10	HOT-MIX ASPHALT SURFACE COURSE, (SPECIAL)	655.0	TN	565.0	90.0
	11	BITUMINOUS MATERIALS (TACK COAT)	1315.0	LBS	1,135.0	180.0
	12	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	135.0	SY	110.0	25.0
	13	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	4390.0	SF	3,775.0	615.0
*	14	DETECTABLE WARNINGS (FURNISHED BY OTHERS)	84.0	SF	64.0	20.0
*	15	PAVEMENT REMOVAL (SPECIAL)	5820.0	SY	5,030.0	790.0
*	16	DRIVEWAY PAVEMENT REMOVAL (SPECIAL)	135.0	SY	110.0	25.0
	17	COMBINATION CURB AND GUTTER REMOVAL	790.0	FT	700.0	90.0
	18	SIDEWALK REMOVAL	4455.0	SF	3,840.0	615.0
*	19	PIPE UNDERDRAINS 4" (SPECIAL)	800.0	FT	600.0	200.0
*	20	COMBINATION CONCRETE CURB AND GUTTER, VARIES (SPECIAL))	790.0	FT	700.0	90.0
	21	MOBILIZATION	1.0	LS	0.85	0.15
*	22	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED (SPECIAL)	11.0	EA	9.00	2.00
*	23	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	0.85	0.15
*	24	TEMPORARY INFORMATION SIGNING	52.0	SF	52.0	
*	25	CONTRACTOR LAYOUT (SPECIAL)	1.0	LS	1.0	

* Special Provision Required.

SUMMARY OF QUANTITIES - ALTERNATE 02					Easton Avenue (Village Limits to IL Rte 22)
SP	ITEM NO	DESCRIPTION	QUANTITY	UNIT	
	1	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	30.0	CY	30.0
	2	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	90.0	SY	90.0
	3	GENERAL LANDSCAPE RESTORATION (SPECIAL)	150.0	SY	150.0
	4	SUPPLEMENTAL WATERING	1.0	EA	1.0
	5	INLET FILTERS	4.0	EA	4.0
	6	AGGREGATE SUBGRADE IMPROVEMENT	30.0	CY	30.0
*	7	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	100.0	TN	100.0
	8	PREPARATION OF BASE	1785.0	SY	1,785.0
*	9	HOT-MIX ASPHALT BINDER COURSE, (SPECIAL)	250.0	TN	250.0
*	10	HOT-MIX ASPHALT SURFACE COURSE, (SPECIAL)	200.0	TN	200.0
	11	BITUMINOUS MATERIALS (TACK COAT)	405.0	LBS	405.0
	12	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	330.0	SF	330.0
*	13	DETECTABLE WARNINGS (FURNISHED BY OTHERS)	20.0	SF	20.0
*	14	PAVEMENT REMOVAL (SPECIAL)	1785.0	SY	1,785.0
	15	COMBINATION CURB AND GUTTER REMOVAL	620.0	FT	620.0
	16	SIDEWALK REMOVAL	330.0	SF	330.0
*	17	PIPE UNDERDRAINS 4" (SPECIAL)	300.0	FT	300.0
*	18	COMBINATION CONCRETE CURB AND GUTTER, VARIES (SPECIAL))	620.0	FT	620.0
	19	MOBILIZATION	1.0	LS	1.0
	20	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	1000.0	FT	1,000.0
*	21	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	1.0
*	22	TEMPORARY INFORMATION SIGNING	52.0	SF	52.0
*	23	CONTRACTOR LAYOUT (SPECIAL)	1.0	LS	1.0

* Special Provision Required.



Check Sheet for Recurring Special Provisions

Local Public Agency	County	Section Number
Village of Buffalo Grove	Cook	

☐ Check this box for lettings prior to 01/01/2024.

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

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4	☐ Specific EEO Responsibilities Non Federal-Aid Contracts	73
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31	☐ Concrete Mix Design - Department Provided	150
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Local Public Agency	County	Section Number
Village of Buffalo Grove	Cook	

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

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BDE SPECIAL PROVISIONS
For the January 17 and March 7, 2025 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the Bureau of Design & Environment (BDE).

File Name	#		Special Provision Title	Effective	Revised
	80099	1	☐ Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
	80274	2	☐ Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
	80192	3	☐ Automated Flagger Assistance Devices	Jan. 1, 2008	April 1, 2023
	80173	4	☐ Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
	80426	5	☐ Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
*	80241	6	☐ Bridge Demolition Debris	July 1, 2009	
*	50531	7	☐ Building Removal	Sept. 1, 1990	Aug. 1, 2022
*	50261	8	☐ Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
	80460	9	☒ Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar	Jan. 1, 2025	
	80384	10	☒ Compensable Delay Costs	June 2, 2017	April 1, 2019
*	80198	11	☐ Completion Date (via calendar days)	April 1, 2008	
*	80199	12	☐ Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80461	13	☐ Concrete Barrier	Jan. 1, 2025	
	80453	14	☐ Concrete Sealer	Nov. 1, 2023	
	80261	15	☒ Construction Air Quality – Diesel Retrofit	June 1, 2010	Jan. 1, 2025
*	80029	16	☐ Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Mar. 2, 2019
	80229	17	☐ Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
	80452	18	☐ Full Lane Sealant Waterproofing System	Nov. 1, 2023	
	80447	19	☐ Grading and Shaping Ditches	Jan. 1, 2023	
	80433	20	☐ Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
	80456	21	☒ Hot-Mix Asphalt	Jan. 1, 2024	Jan. 1, 2025
	80446	22	☐ Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
	80438	23	☐ Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
	80450	24	☐ Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	
	80441	25	☐ Performance Graded Asphalt Binder	Jan. 1, 2023	
	80459	26	☐ Preformed Plastic Pavement Marking	June 2, 2024	
*	34261	27	☐ Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
	80455	28	☐ Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
	80445	29	☐ Seeding	Nov. 1, 2022	
	80457	30	☐ Short Term and Temporary Pavement Markings	April 1, 2024	April 2, 2024
	80462	31	☒ Sign Panels and Appurtenances	Jan. 1, 2025	
	80448	32	☐ Source of Supply and Quality Requirements	Jan. 2, 2023	
	80340	33	☐ Speed Display Trailer	April 2, 2014	Jan. 1, 2022
	80127	34	☐ Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
	80397	35	☐ Subcontractor and DBE Payment Reporting	April 2, 2018	
	80391	36	☒ Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
	80437	37	☐ Submission of Payroll Records	April 1, 2021	Nov. 2, 2023
	80435	38	☐ Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
*	20338	39	☐ Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
	80429	40	☐ Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
	80439	41	☒ Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
	80458	42	☐ Waterproofing Membrane System	Aug. 1, 2024	
	80302	43	☐ Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
	80454	44	☐ Wood Sign Support	Nov. 1, 2023	
	80427	45	☒ Work Zone Traffic Control Devices	Mar. 2, 2020	Jan. 1, 2025
*	80071	46	☐ Working Days	Jan. 1, 2002	

Highlighted items indicate a new or revised special provision for the letting.

An * indicates the special provision requires additional information from the designer, which needs to be submitted separately. The Project Coordination and Implementation Section will then include the information in the applicable special provision.

The following special provisions have been deleted from use.

<u>File Name</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80449	Cement, Type IL	Aug. 1, 2023	
80451	Portland Cement Concrete	Aug. 1, 2023	

The following special provisions are in the 2025 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location(s)</u>	<u>Effective</u>	<u>Revised</u>
80434	Corrugated Plastic Pipe (Culvert and Storm Sewer)	Articles 542.03, 550.03, 1040.03, 1040.04(b), 1040.04(d) & 1040.08	Jan. 1, 2021	
80443	High Tension Cable Median Barrier Removal	Section 632	April 1, 2022	
80045	Material Transfer Device	Articles 406.03, 406.06(f), 406.13(b), 406.14 & 1102.02	Nov 15, 1999	Jan. 1, 2022
80410	Traffic Spotters	Article 701.13	Jan. 1, 2019	

CEMENT, FINELY DIVIDED MINERALS, ADMIXTURES; CONCRETE, AND MORTAR (BDE)

Effective: January 1, 2025

Revise the first paragraph of Article 285.05 of the Standard Specifications to read:

“285.05 Fabric Formed Concrete Revetment Mat. The grout shall consist of a mixture of cement, fine aggregate, and water so proportioned and mixed as to provide a pumpable slurry. Fly ash or ground granulated blast furnace (GGBF) slag, and concrete admixtures may be used at the option of the Contractor. The grout shall have an air content of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The mix shall obtain a compressive strength of 2500 psi (17,000 kPa) at 28 days according to Article 1020.09.”

Revise Article 302.02 of the Standard Specifications to read:

“302.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Hydrated Lime	1012.01
(d) By-Product, Hydrated Lime	1012.02
(e) By-Product, Non-Hydrated Lime	1012.03
(f) Lime Slurry	1012.04
(g) Fly Ash	1010
(h) Soil for Soil Modification (Note 1)	1009.01
(i) Bituminous Materials (Note 2)	1032

Note 1. This soil requirement only applies when modifying with lime (slurry or dry).

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250.”

Revise Article 312.07(c) of the Standard Specifications to read:

“(c) Cement1001”

Add Article 312.07(i) of the Standard Specifications to read:

“(i) Ground Granulated Blast Furnace (GGBF) Slag1010”

Revise the first paragraph of Article 312.09 of the Standard Specifications to read:

“312.09 Proportioning and Mix Design. At least 60 days prior to start of placing CAM II, the Contractor shall submit samples of materials to be used in the work for proportioning and testing.

The mixture shall contain a minimum of 200 lb (120 kg) of cement per cubic yard (cubic meter). Cement may be replaced with fly ash or ground granulated blast furnace (GGBF) slag according to Article 1020.05(c)(1) or 1020.05(c)(2), respectively, however the minimum cement content in the mixture shall be 170 lbs/cu yd (101 kg/cu m). Blends of coarse and fine aggregates will be permitted, provided the volume of fine aggregate does not exceed the volume of coarse aggregate. The Engineer will determine the proportions of materials for the mixture according to the "Portland Cement Concrete Level III Technician Course" manual. However, the Contractor may substitute their own mix design. Article 1020.05(a) shall apply, and a Level III PCC Technician shall develop the mix design."

Revise Article 352.02 of the Standard Specifications to read:

"352.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement (Note 1)	1001
(b) Soil for Soil-Cement Base Course	1009.03
(c) Water	1002
(d) Bituminous Materials (Note 2)	1032

Note 1. Bulk cement may be used for the traveling mixing plant method if the equipment for handling, weighing, and spreading the cement is approved by the Engineer.

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250."

Revise Article 404.02 of the Standard Specifications to read:

"404.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003.08
(d) Bituminous Material (Tack Coat)	1032.06
(e) Emulsified Asphalts (Note 1) (Note 2)	1032.06
(f) Fiber Modified Joint Sealer	1050.05
(g) Additives (Note 3)	

Note 1. When used for slurry seal, the emulsified asphalt shall be CQS-1h according to Article 1032.06(b).

Note 2. When used for micro-surfacing, the emulsified asphalt shall be CQS-1hP according to Article 1032.06(e).

Note 3. Additives may be added to the emulsion mix or any of the component materials to provide the control of the quick-traffic properties. They shall be included as part of the mix design and be compatible with the other components of the mix.

Revise the last sentence of the fourth paragraph of Article 404.08 of the Standard Specifications to read:

“When approved by the Engineer, the sealant may be dusted with fine sand, cement, or mineral filler to prevent tracking.”

Revise Note 2 of Article 516.02 of the Standard Specifications to read:

“Note 2. The sand-cement grout mix shall be according to Section 1020 and shall be a 1:1 blend of sand and cement comprised of a Type I, IL, or II cement at 185 lb/cu yd (110 kg/cu m). The maximum water cement ratio shall be sufficient to provide a flowable mixture with a typical slump of 10 in. (250 mm).”

Revise Note 2 of Article 543.02 of the Standard Specifications to read:

“Note 2. The grout mixture shall be 6.50 hundredweight/cu yd (385 kg/cu m) of cement plus fine aggregate and water. Fly ash or ground granulated blast furnace (GGBF) slag may replace a maximum of 5.25 hundredweight/cu yd (310 kg/cu m) of the cement. The water/cement ratio, according to Article 1020.06, shall not exceed 0.60. An air-entraining admixture shall be used to produce an air content, according to Article 1020.08, of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The Contractor shall have the option to use a water-reducing or high range water-reducing admixture.”

Revise Article 583.01 of the Standard Specifications to read:

“583.01 Description. This work shall consist of placing cement mortar along precast, prestressed concrete bridge deck beams as required for fairing out any unevenness between adjacent deck beams prior to placing of waterproofing membrane and surfacing.”

Revise Article 583.02(a) of the Standard Specifications to read:

“(a) Cement1001”

Revise the first paragraph of Article 583.03 of the Standard Specifications to read:

“583.03 General. This work shall only be performed when the air temperature is 45 °F (7 °C) and rising. The mixture for cement mortar shall consist of three parts sand to one part cement by volume. The amount of water shall be no more than that necessary to produce a workable, plastic mortar.”

Revise Note 2/ in Article 1003.01(b) of the Standard Specifications to read:

“2/ Applies only to sand. Sand exceeding the colorimetric test standard of 11 (Illinois Modified AASHTO T 21) will be checked for mortar making properties according to Illinois Modified ASTM C 87 and shall develop a compressive strength at the age of 14 days when using Type I, IL, or II cement of not less than 95 percent of the comparable standard.

Revise the second sentence of Article 1003.02(e)(1) of the Standard Specifications to read:

“The test will be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.90 percent or greater.”

Revise the first sentence of the second paragraph of Article 1003.02(e)(3) of the Standard Specifications to read:

“The ASTM C 1293 test shall be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.80 percent or greater.”

Revise the second sentence of Article 1004.02(g)(1) of the Standard Specifications to read:

“The test will be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.90 percent or greater.”

Revise Article 1017.01 of the Standard Specifications to read:

“1017.01 Requirements. The mortar shall be high-strength according to ASTM C 387 and shall have a minimum 80.0 percent relative dynamic modulus of elasticity when tested by the Department according to Illinois Modified AASHTO T 161 or AASHTO T 161 when tested by an independent lab. The high-strength mortar shall have a water-soluble chloride ion content of less than 0.40 lb/cu yd (0.24 kg/cu m). The test shall be performed according to ASTM C 1218, and the high-strength mortar shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. Mixing of the high-strength mortar shall be according to the manufacturer’s specifications. The Department will maintain a qualified product list.”

Revise the fourth sentence of Article 1018.01 of the Standard Specifications to read:

“The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department.”

Revise Article 1019.02 of the Standard Specifications to read:

“1019.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002

- (c) Fine Aggregate for Controlled Low-Strength Material (CLSM) 1003.06
- (d) Fly Ash 1010
- (e) Ground Granulated Blast Furnace (GGBF) Slag..... 1010
- (f) Admixtures (Note 1)

Note 1. The air-entraining admixture may be in powder or liquid form. Prior to approval, a CLSM air-entraining admixture will be evaluated by the Department. The admixture shall be able to meet the air content requirements of Mix 2. The Department will maintain a qualified product list.”

Revise Article 1019.05 of the Standard Specifications to read:

“**1019.05 Department Mix Design.** The Department mix design shall be Mix 1, 2, or 3 and shall be proportioned to yield approximately one cubic yard (cubic meter).

Mix 1	
Cement	50 lb (30 kg)
Fly Ash – Class C or F, and/or GGBF Slag	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2900 lb (1720 kg)
Water	50-65 gal (248-322 L)
Air Content	No air is entrained

Mix 2	
Cement	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2500 lb (1483 kg)
Water	35-50 gal (173-248 L)
Air Content	15-25 %

Mix 3	
Cement	40 lb (24 kg)
Fly Ash – Class C or F, and/or GGBF Slag	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2500 lb (1483 kg)
Water	35-50 gal (179-248 L)
Air Content	15-25 %”

Revise Article 1020.04, Table 1, Note (8) of the Standard Specifications to read:

“(8) In addition to the Type III portland cement, 100 lb/cu yd of ground granulated blast-furnace slag and 50 lb/cu yd of microsilica (silica fume) shall be used. For an air temperature greater than 85 °F, the Type III portland cement may be replaced with Type I, IL, or II portland cement.”

Revise Article 1020.04, Table 1 (Metric), Note (8) of the Standard Specifications to read:

“(8) In addition to the Type III portland cement, 60 kg/cu m of ground granulated blast-furnace slag and 30 kg/cu m of microsilica (silica fume) shall be used. For an air temperature greater than 30 °C, the Type III portland cement may be replaced with Type I, IL, or II portland cement.”

Revise the second paragraph of Article 1020.05(a) of the Standard Specifications to read:

“For a mix design using a portland-pozzolan cement, portland blast-furnace slag cement, portland-limestone cement, or replacing portland cement with finely divided minerals per Articles 1020.05(c) and 1020.05(d), the Contractor may submit a mix design with a minimum portland cement content less than 400 lbs/cu yd (237 kg/cu m), but not less than 375 lbs/cu yd (222 kg/cu m), if the mix design is shown to have a minimum relative dynamic modulus of elasticity of 80 percent determined according to AASHTO T 161. Testing shall be performed by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete.”

Revise the first sentence of the first paragraph of Article 1020.05(b) of the Standard Specifications to read:

“Corrosion inhibitors and concrete admixtures shall be according to the qualified product lists.”

Delete the fourth and fifth sentences of the second paragraph of Article 1020.05(b) of the Standard Specifications.

Revise the third sentence of the second paragraph of Article 1020.05(b)(5) of the Standard Specifications to read:

“The qualified product lists of concrete admixtures shall not apply.”

Revise second paragraph of Article 1020.05(b)(10) of the Standard Specifications to read:

“When calcium nitrite is used, it shall be added at the rate of 4 gal/cu yd (20 L/cu m) and shall be added to the mix immediately after all compatible admixtures have been introduced to the batch. Other corrosion inhibitors shall be added per the manufacturer’s specifications.”

Delete the third paragraph of Article 1020.05(b)(10) of the Standard Specifications.

Revise Article 1020.15(b)(1)c. of the Standard Specifications to read:

“c. The minimum portland cement content in the mixture shall be 375 lbs/cu yd (222 kg/cu m). When the total of organic processing additions, inorganic processing additions, and limestone addition exceed 5.0 percent in the cement, the minimum portland cement content in the mixture shall be 400 lbs/cu yd (237 kg/cu m). For a drilled shaft, foundation, footing, or substructure, the

minimum portland cement may be reduced to as low as 330 lbs/cu yd (196 kg/cu m) if the concrete has adequate freeze/thaw durability. The Contractor shall provide freeze/thaw test results according to AASHTO T 161, and the relative dynamic modulus of elasticity of the mix design shall be a minimum of 80 percent. Testing shall be performed by an independent laboratory accredited by AASHTO as a resource for Portland Cement Concrete. Freeze/thaw testing will not be required for concrete that will not be exposed to freezing and thawing conditions as determined by the Engineer.”

Revise Article 1021.01 of the Standard Specifications to read:

“1021.01 General. Admixtures shall be furnished in liquid or powder form ready for use. The admixtures shall be delivered in the manufacturer's original containers, bulk tank trucks or such containers or tanks as are acceptable to the Engineer. Delivery shall be accompanied by a ticket which clearly identifies the manufacturer, the date of manufacture, and trade name of the material. Containers shall be readily identifiable as to manufacturer, the date of manufacture, and trade name of the material they contain.

Concrete admixtures shall be on one of the Department's qualified product lists. Unless otherwise noted, admixtures shall have successfully completed and remain current with the AASHTO Product Eval and Audit Concrete Admixture (CADD) testing program. For admixture submittals to the Department; the product brand name, manufacturer name, admixture type or types, an electronic link to the product's technical data sheet, and the NTPEP testing number which contains an electronic link to all test data shall be provided. In addition, a letter shall be submitted certifying that no changes have been made in the formulation of the material since the most current round of tests conducted by AASHTO Product Eval and Audit. After 28 days of testing by AASHTO Product Eval and Audit, air-entraining admixtures may be provisionally approved and used on Departmental projects. For all other admixtures, unless otherwise noted, the time period after which provisionally approved status may be earned is 6 months.

The manufacturer shall include the following in the submittal to the AASHTO Product Eval and Audit CADD testing program: the manufacturing range for specific gravity, the midpoint and manufacturing range for residue by oven drying, and manufacturing range of pH. The submittal shall also include an infrared spectrophotometer trace no more than five years old.

For air-entraining admixtures according to Article 1021.02, the specific gravity allowable manufacturing range established by the manufacturer shall be according to AASHTO M 194. For residue by oven drying and pH, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

For admixtures according to Articles 1021.03, 1021.04, 1021.05, 1021.06, 1021.07, and 1021.08, the pH allowable manufacturing range established by the manufacturer shall be according to ASTM E 70. For specific gravity and residue by oven drying, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

All admixtures, except chloride-based accelerators, shall contain a maximum of 0.3 percent chloride by weight (mass) as determined by an appropriate test method. To verify the test result, the Department will use Illinois Modified AASHTO T 260, Procedure A, Method 1.

Prior to final approval of an admixture, the Engineer reserves the right to request a sample for testing. The test and reference concrete mixtures tested by the Engineer will contain a cement content of 5.65 cwt/cu yd (335 kg/cu m). For freeze-thaw testing, the Department will perform the test according to Illinois Modified AASHTO T 161. The flexural strength test will be performed according to AASHTO T 177. If the Engineer decides to test the admixture, the manufacturer shall submit AASHTO T 197 water content and set time test results on the standard cement used by the Department. The manufacturer may select their lab or an independent lab to perform this testing. The laboratory is not required to be accredited by AASHTO.

Random field samples may be taken by the Department to verify an admixture meets specification. A split sample will be provided to the manufacturer if requested. Admixtures that do not meet specification requirements or an allowable manufacturing range established by the manufacturer shall be replaced with new material.”

Revise Article 1021.03 of the Standard Specifications to read:

“1021.03 Retarding and Water-Reducing Admixtures. The admixture shall be according to the following.

- (a) Retarding admixtures shall be according to AASHTO M 194, Type B (retarding) or Type D (water-reducing and retarding).
- (b) Water-reducing admixtures shall be according to AASHTO M 194, Type A.
- (c) High range water-reducing admixtures shall be according to AASHTO M 194, Type F (high range water-reducing) or Type G (high range water-reducing and retarding).”

Revise Article 1021.05 of the Standard Specifications to read:

“1021.05 Self-Consolidating Admixtures. Self-consolidating admixture systems shall consist of either a high range water-reducing admixture only or a high range water-reducing admixture combined with a separate viscosity modifying admixture. The one or two component admixture system shall be capable of producing a concrete that can flow around reinforcement and consolidate under its own weight without additional effort and without segregation.

High range water-reducing admixtures shall be according to AASHTO M 194, Type F.

Viscosity modifying admixtures shall be according to AASHTO M 194, Type S (specific performance).”

Revise Article 1021.06 of the Standard Specifications to read:

“1021.06 Rheology-Controlling Admixture. Rheology-controlling admixtures shall be capable of producing a concrete mixture with a lower yield stress that will consolidate easier for slipform applications used by the Contractor. Rheology-controlling admixtures shall be according to AASHTO M 194, Type S (specific performance).”

Revise Article 1021.07 of the Standard Specifications to read:

“1021.07 Corrosion Inhibitor. The corrosion inhibitor shall be according to one of the following.

(a) Calcium Nitrite. Corrosion inhibitors shall contain a minimum 30 percent calcium nitrite by weight (mass) of solution and shall comply with either the requirements of AASHTO M 194, Type C (accelerating) or the requirements of ASTM C 1582. The corrosion inhibiting performance requirements of ASTM C 1582 shall not apply.

(b) Other Materials. The corrosion inhibitor shall be according to ASTM C 1582.

For submittals requiring testing according to ASTM M 194, Type C (accelerating), the admixture shall meet the requirements of the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01.

For submittals requiring testing according to ASTM C 1582, a report prepared by an independent laboratory accredited by AASHTO re:source for portland cement concrete shall be provided. The report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications. However, ASTM G 109 test information specified in ASTM C 1582 is not required to be from an independent accredited lab. All other information in ASTM C 1582 shall be from an independent accredited lab. Test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall instead be submitted directly to the Department.”

Add Article 1021.08 of the Standard Specifications as follows:

“1021.08 Other Specific Performance Admixtures. Other specific performance admixtures shall, at a minimum, be according to AASHTO M 194, Type S (specific performance). The Department also reserves the right to require other testing, as determined by the Engineer, to show evidence of specific performance characteristics.

Initial testing according to AASHTO M 194 may be conducted under the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01, or by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete. In either case, test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall also be submitted directly to the Department. The independent accredited lab report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications.”

Revise Article 1024.01 of the Standard Specifications to read:

“1024.01 Requirements for Grout. The grout shall be proportioned by dry volume, thoroughly mixed, and shall have a minimum temperature of 50 °F (10 °C). Water shall not exceed the minimum needed for placement and finishing.

Materials for the grout shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003.02
(d) Fly Ash	1010
(e) Ground Granulated Blast Furnace (GGBF) Slag.....	1010
(f) Concrete Admixtures	1021”

Revise Note 1 of Article 1024.02 of the Standard Specifications to read:

“Note 1. Nonshrink grout shall be according to Illinois Modified ASTM C 1107.

The nonshrink grout shall have a water-soluble chloride ion content of less than 0.40 lb/cu yd (0.24 kg/cu m). The test shall be performed according to ASTM C 1218, and the grout shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. Mixing of the nonshrink grout shall be according to the manufacturer’s specifications. The Department will maintain a qualified product list.”

Revise Article 1029.02 of the Standard Specifications to read:

“1029.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement.....	1001
(b) Fly Ash	1010
(c) Ground Granulated Blast Furnace (GGBF) Slag	1010
(d) Water.....	1002
(e) Fine Aggregate.....	1003
(f) Concrete Admixtures	1021
(g) Foaming Agent (Note 1)	

Note 1. The manufacturer shall submit infrared spectrophotometer trace and test results indicating the foaming agent meets the requirements of ASTM C 869 in order to be on the Department’s qualified product list. Submitted data/results shall not be more than five years old.”

Revise the second paragraph of Article 1103.03(a)(4) the Standard Specifications to read:

“The dispenser system shall provide a visual indication that the liquid admixture is actually entering the batch, such as via a transparent or translucent section of tubing or by independent check with an integrated secondary metering device. If approved by the Engineer, an alternate indicator may be used for admixtures dosed at rates of 25 oz/cwt (1630 mL/100 kg) or greater, such as accelerating admixtures, corrosion inhibitors, and viscosity modifying admixtures.”

Revise the first two sections of Check Sheet #11 of the Supplemental Specifications and Recurring Special Provisions to read:

“Description. This work shall consist of filling voids beneath rigid and composite pavements with cement grout.

Materials. Materials shall be according to the following Articles of Division 1000 - Materials of the Standard Specifications:

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fly Ash	1010
(d) Ground Granulated Blast Furnace (GGBF) Slag.....	1010
(e) Admixtures	1021
(f) Packaged Rapid Hardening Mortar or Concrete	1018”

Revise the third paragraph of Materials Note 2 of Check Sheet #28 of the Supplemental Specifications and Recurring Special Provisions to read:

“The Department will maintain a qualified product list of synthetic fibers, which will include the minimum required dosage rate. For the minimum required fiber dosage rate based on the Illinois Modified ASTM C 1609 test, a report prepared by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete shall be provided. The report shall show results of tests conducted no more than five years prior to the time of submittal.”

80460

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

“(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

- (1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.
- (2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.
- (3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days.”

Revise Article 107.40(c) of the Standard Specifications to read:

“(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

- (1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

- (2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the

Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

- (3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

- (1) When adverse weather prevents work on the controlling item.
- (2) When job conditions due to recent weather prevent work on the controlling item.
- (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
- (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
- (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.
- (6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

- "(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead

other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited.”

Add the following to Section 109 of the Standard Specifications.

“109.13 Payment for Contract Delay. Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

- (a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.
 - (1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to \$5,000,000	One Project Superintendent
Over \$ 5,000,000 - up to \$25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over \$25,000,000 - up to \$50,000,000	One Project Manager, One Project Superintendent, One Engineer, and

	One Clerk
Over \$50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

80384

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010

Revised: January 1, 2025

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term “equipment” refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted according to the table below.

Horsepower Range	Model Year and Older
50-99	2003
100-299	2002
300-599	2000
600-749	2001
750 and up	2005

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

- a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (<https://www.epa.gov/verified-diesel-tech/verified-technologies-list-clean-diesel>), or verified by the California Air Resources Board (CARB) (<http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm>); or
- b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

HOT-MIX ASPHALT (BDE)

Effective: January 1, 2024

Revised: January 1, 2025

Revise the first and second paragraphs of Articles 1030.06(c)(2) of the Standard Specifications to read:

“(2) Personnel. The Contractor shall provide a QC Manager who shall have overall responsibility and authority for quality control. This individual shall maintain active certification as a Hot-Mix Asphalt Level II technician.

In addition to the QC Manager, the Contractor shall provide sufficient personnel to perform the required visual inspections, sampling, testing, and documentation in a timely manner. Mix designs shall be developed by personnel with an active certification as a Hot-Mix Asphalt Level III technician. Technicians performing mix design testing and plant sampling/testing shall maintain active certification as a Hot-Mix Asphalt Level I technician. The Contractor may provide a technician trainee who has successfully completed the Department's "Hot-Mix Asphalt Trainee Course" to assist in the activities completed by a Hot-Mix Asphalt Level I technician for a period of one year after the course completion date. The Contractor may also provide a Gradation Technician who has successfully completed the Department's "Gradation Technician Course" to run gradation tests only under the supervision of a Hot-Mix Asphalt Level II Technician. The Contractor shall provide a Hot-Mix Asphalt Density Tester who has successfully completed the Department's "Nuclear Density Testing" course to run all nuclear density tests on the job site.”

Revise the second paragraph of Articles 1030.07(a)(11) and 1030.08(a)(9) of the Standard Specifications to read:

“When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be based on the running average of four available Department test results for that project. If less than four G_{mm} test results are available, an average of all available Department test results for that project will be used. The initial G_{mm} will be the last available Department test result from a QMP project. If there is no available Department test result from a QMP project, the Department mix design verification test result will be used as the initial G_{mm} .”

Revise Article 1030.09(g)(2) of the Standard Specifications to read:

“(2) The Contractor shall complete split verification sample tests listed in the Limits of Precision table in Article 1030.09(h)(1).”

In the Supplemental Specifications, replace the revision for the end of the third paragraph of Article 1030.09(h)(2) with the following:

“When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be the Department mix design verification test result.”

Revise the tenth paragraph of Article 1030.10 of the Standard Specifications to read:

“Production is not required to stop after a test strip has been constructed.”

80456

SIGN PANELS AND APPURTENANCES (BDE)

Effective: January 1, 2025

Revise the third paragraph of Article 720.02 of the Standard Specifications to read:

“Steel support channels shall be according to ASTM A 653 (A 653M) (mild strip), Standard 720001, and galvanized according to AASHTO M 232, Class B 2 after forming.”

Revise the fifth paragraph of Article 720.02 of the Standard Specifications to read:

“The stainless steel banding for mounting signs or sign support channels to light or signal standards shall be according to ASTM A 240 (A 240M) Type 302 stainless steel.”

80462

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

“This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor’s work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%”

80391

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021

Revised: November 1, 2022

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

“The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations.”

80439

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Revised: January 1, 2025

Add the following to Article 701.03 of the Standard Specifications:

“(q) Temporary Sign Supports 1106.02”

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

“For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer’s specifications.”

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

“**701.15 Traffic Control Devices.** For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer’s self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device.”

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

“**1106.02 Devices.** Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices shall be MASH compliant.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices shall be MASH compliant.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant

with NCHRP 350, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

Category 4 includes portable or trailer-mounted devices such as sign supports, speed feedback displays, arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019 to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

For each type of device, when no more than one MASH compliant is available, an NCHRP 350 compliant device may be used, even if manufactured after December 31, 2019.”

Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

“(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.

(k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.

(l) Movable Traffic Barrier. The movable traffic barrier shall be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis.”

80427



Local Public Agency

County

Section Number

Village of Buffalo Grove

Cook

The following Special Provision supplement the "Standard Specifications for Road and Bridge Construction", adopted

January 1, 2022

, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specification and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of the above named section, and in case of conflict with any parts, or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

2025 Pavement Resurfacing Project

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General Conditions

1. General Conditions

It is the policy of the Municipality and other governing agencies to set standards for the performance of road and bridge construction. This contract shall expressly adhere to the 'Standard Specifications for Road and Bridge Construction', latest edition, and the 'Standard Specifications for Water and Sewer Main Construction in Illinois', latest edition, unless otherwise specified herein.

2. Scope of Work

The provisions of Article 104.02 of the Standard Specifications are hereby amended as follows: **"The Village of Buffalo Grove (Village) expressly reserves the right to remove from or add to the project any portions thereof included in the 2025 Pavement Resurfacing Project. Such reductions or additions, if any, shall be made in writing by the Village prior to execution of the Contract Documents. Any reduction in the scope of work required by the Village prior to the execution of the Contract Documents shall not result in an adjustment to the contract or to the price originally bid."**

3. Definition of Village of Buffalo Grove

All references in the contract relating to the Department, Awarding Authority, Village of Buffalo Grove, Village, etc. shall mean the Village of Buffalo Grove.

4. Clean Construction and Demolition Debris (CCDD) Material Disposal

Work under this item shall be performed in compliance with the Illinois Environmental Protection Agency (IEPA) guidelines in effect at the time of construction.

The Contractor will be required to make all arrangements for coordination and submission of the necessary documents with their chosen CCDD or other suitable disposal facility. Written confirmation of preliminary approval must be provided from the disposal facility and confirmed by the Owner as acceptable.

All surplus, clean material generated from the Contractor's activities must be disposed of at an IEPA permitted CCDD or otherwise acceptable facility. The Contractor is responsible for providing documentation to the Village for each load hauled off-site showing the quantity of material and the location the material was disposed of.

Disposal of clean material not in compliance with these requirements will constitute breach of contract. If the Contractor fails to provide adequate documentation supporting the legal disposal of clean material according to this special provision, the Contractor shall be fined \$1,000 per load of material and will assume all liability associated with material disposed of not in compliance with this special provision.

No extra compensation will be allowed to the Contractor for any expenses incurred complying with these requirements including but not limited to: delays, inconvenience, or interruptions in the work resulting from compliance with these requirements. All costs associated with material disposal shall be included into the appropriate unit bid prices for the work.

5. JULIE Notification

The Contractor shall call the Joint Utility Locating Information for Excavators (JULIE) (1-800-892-0123 or 811), a minimum of forty-eight (48) hours in advance of work being done in the area in accordance with Article 107.39 of the Standard Specifications.

For utilities which are not members, excluding homeowners, the Contractor shall contact the owners directly. The Contractor will be required to cooperate with all utility companies and municipal agencies involved in connection with the removal, temporary relocation, reconstruction or abandonment by these agencies of any and all services.

No additional compensation will be allowed the Contractor for any expense incurred by complying with these requirements, or because of delays, inconvenience or interruptions in his work resulting from the failure of the municipal agencies or utility company to remove, relocate, reconstruct or abandon their services.

6. Notice to Bidders

All bid proposals must be submitted electronically through the Village's Vendor Registry online procurement system. **Hard copy bids will not be accepted.** As read results of the bids will be posted to the Village's webpage, www.vbg.org/bids as soon as possible following the bid opening. In order to submit a bid proposal, bidders

- a. Go to www.vbg.org/bids
- b. Select on the project description, '2025 Pavement Resurfacing Project' and click the large red button at the top

- c. Log in to your account and enter your total bid.
- d. Include an attachment (up to 200 MB), the following bid documents only:
 - i. Local Public Agency Formal Contract Proposal
 - ii. Bid Form
 - iii. Local Agency Proposal Bid Bond
- e. The following documents will be requested by the two (2) as read low bidders immediately following the bid opening:
 - i. Affidavit of Illinois Business Office
 - ii. Affidavit of Availability
 - iii. Village of Buffalo Grove Public Contract Statements

All bids will be opened and read publicly via the Microsoft Teams video conferencing platform.

Please join on your computer, mobile app or room device

<https://rb.gy/jugr2c>

Meeting ID: 283 696 945 167

Passcode: Mb8QFM

7. Village Contractor Registration

Bidders shall be prequalified with the Illinois Department of Transportation in accordance with Article 102.01 of the Standard Specifications and is required by all bidders.

All bidders are required to fully register with the Village of Buffalo Grove, including IRS Form W-9, at:

<https://vrapp.vendorregistry.com/Vendor/Register/Index/buffalo-grove-village-of-il-vendor-registration>

OR

www.vbg.org/bids

Select the link 'Register My Business'

Please contact Vendor Registry at (844) 802-9202 for assistance in the registration process.

The Village of Buffalo Grove reserves the right to reject any or all proposals if the bidder does not comply with the requirements as stated herein.

8. Completion Date

The Contractor shall commence the work to be performed under this contract, on or near Monday, July 7, 2025. The work shall be prosecuted in such a manner and with such a supply of materials, equipment and labor as considered necessary to ensure its completion according to the time specified in the contract. The Contractor shall substantially complete all work in the contract by **Friday, October 10, 2025**, including landscape restoration, as defined in Article 108.04 of the Standard Specifications. If Alternate 01 and/or Alternate 02 is selected and awarded, all work in the contract shall be substantially completed by **Friday, October 31, 2025**.

Following substantial completion, the Contractor shall provide the Engineer written notice in accordance with Article 105.13 of the Standard Specifications. The Contractor will have fourteen (14) calendar days to correct any deficiencies following the scheduled final inspection and punch list submittal by the Engineer.

In case of failure to complete the work on time by the interim completion date, final completion date, working days, and/or the deficient punch list items, the provisions of Article 108.09 of the Standard Specifications shall apply, **except regardless of the contract amount, the daily charge shall be \$2,000 per calendar day overrun.**

The estimated Village Board award date for this project is Monday, January 20, 2025.

9. Contract Sequencing

The Contractor shall notify the Engineer at least 72 hours in advance of beginning work and 48 hours prior to construction commencement on each subsequent street. Construction operations shall be conducted in a manner such that streets will remain open to all traffic. At no time shall residents or business owners be kept out of their driveway over a weekend or holiday as defined in Article 107.09 of the Standard Specifications.

Work shall be scheduled so that it is continuous on the various roadways. The Contractor and approved Subcontractor(s) shall, at all times, employ and provide sufficient labor, tools, equipment, multiple mobilizations, and other incidental items for prosecuting the work to full completion in the manner and time required by the contract.

10. Construction Work Periods

Construction operations shall be completed in accordance with Article 107.09 of the Standard Specifications. All work shall be confined to the period beginning at 7:00 AM and ending at 6:00 PM on weekdays. No work shall be done on Sundays or legal holiday periods as defined in article 107.09 of the Standard Specifications.

No work shall be permitted on Saturday's unless prior written approval is granted by the Village. All requests to work on a Saturday shall be submitted by 4:00 PM, the Wednesday prior to the date requested. If work is allowed, it shall be confined to the period beginning at 8:30 AM to 6:00 PM. The completion date shall be reduced by one (1) full calendar day for each Saturday the Contractor elects to work, regardless if the Saturday worked is a full or partial working day.

Any work outside the allowed time periods in accordance with the Village Ordinance, including but not limited to, material deliveries, mobilization of equipment, warming up machinery, or truck staging, a penalty of \$1,000 per occurrence may be imposed.

11. Pre-Construction Meeting

Prior to commencing any construction operations, there shall be a pre-construction meeting. The Village or Engineer will set the time and date of the meeting following Contract award.

The following shall be submitted by the Contractor for review at the pre-construction meeting:

A Progress Schedule in accordance with Article 108.02.

The 24-hour emergency phone number and contact information of the assigned Contractor's superintendent, or otherwise.

The name and 24-hour emergency phone number of the person in the direct employ of the Contractor who is responsible for administering the Traffic Control and Protection on the Contract

A list of subcontractors with contact information, including but not limited to name, phone number, and email address, and include quantity and type of work to be sublet for each respective subcontractor in accordance with Article 108.01 of the Standard Specifications.

A list of proposed sources of material.

Hot-mix asphalt and concrete mix designs, and respective quality control plans.*

Any applicable shop drawing submittals.*

*Shop drawings and mix designs for concrete and bituminous items to be installed on the project shall be submitted to the Village no less than ten (10) calendar days from the effective notice to proceed dated letter or the scheduled date of the pre-construction meeting, whichever occurs earlier. A monetary penalty of \$500 may be imposed for each required submittal thereafter.

12. Sub-Contracting

Add the following to the end of ARTICLE 108.01 SUBCONTRACTING.

"The apparent low Bidder on a "Request for Approval of a Subcontractor" (BC 260a) form shall submit to the office of Engineer within ten (10) calendar days after the receipt of bids, a list of the names of Bidder's proposed subcontractors along with a description of the work to be performed by each. The Village will then review and reserves the right to reject the use of any subcontractor on the project due to past performance or the apparent inability to properly perform the item of work."

13. Authority of the Engineer

Revise ARTICLE 105.01 AUTHORITY OF ENGINEER to read:

"All work shall be done in accordance with the requirements of the Contract, the Engineer shall have the right, but not the obligation, to observe all work. The Engineer shall decide all questions that arise as to the interpretation of the Plans and Specifications and as to disputes and mutual rights between Contractors under the Specifications. The Engineer shall advise the Village of Buffalo Grove as to the quality and acceptability of materials furnished and work performed, rate of progress of the work, and acceptable fulfillment of the Contract. The Engineer will determine the amount of materials furnished and work performed. The Engineer's advice and determinations shall be conditions precedent to the right of the Contractor to receive money due the Contractor under the Contract."

"The Engineer will notify the Contractor in writing if the work is to be suspended by the Village of Buffalo Grove wholly or in part due to the failure of the Contractor to carry out provisions of the contract; for failure to carry out orders; for such periods due to unsuitable weather; for conditions considered unsuitable for the prosecution of the work or for any other condition or reason deemed to be in the public interest."

"In case of failure on the part of the Contractor to execute work as directed by the Engineer, the Village of Buffalo Grove may, at the expiration of a period of 48 hours after giving notice in writing to the Contractor, proceed to execute such work as may be deemed necessary, and the cost thereof shall be deducted from compensation due or which may become due to the Contractor under the contract."

The Engineer shall not assume any of the responsibilities of the Contractor's superintendent or of subcontractors; shall not expedite the work for the Contractor; and shall not advise on, or issue directions concerning aspects of construction means, methods, techniques, sequences or procedures, or safety precautions in connection with the work.

14. Status of Utilities

Effective: June 1, 2016
Revised: January 1, 2020

Utility companies and/or municipal owners located within the construction limits of this project have provided the following information regarding their facilities and the proposed improvements. The tables below contain a description of specific conflicts to be resolved and/or facilities which will require some action on the part of the Department's contractor to proceed with work. Each table entry includes an identification of the action necessary and, if applicable, the estimated duration required for the resolution.

UTILITIES TO BE ADJUSTED

Conflicts noted below have been identified by following the suggested staging plan included in the contract. The company has been notified of all conflicts and will be required to obtain the necessary permits to complete their work; in some instances, resolution will be a function of the construction staging. The responsible agency must relocate, or complete new installations as noted below; this work has been deemed necessary to be complete for the Department's contractor to then work in the stage under which the item has been listed.

This list represents potential utility conflicts determined by the Design Engineer. A response has not been provided by the responsible agency to-date.

Stage/Location	Type	Description	Responsible Agency
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The following contact information is what was used during the preparation of the plans as provided by the owner of the facility. The Design JULIE locate request was submitted on August 25, 2020 by the Design Engineer.

Agency/Company Responsible to Resolve Conflict	Name of Contact	Phone	E-mail address
AT&T / T-TCG	Janet Ahem	(630) 573-6414	Ja1763@att.com
Comcast	Martha Gieras	(630) 660-6352	Martha_gieras@comcast.com
ComEd	Tina Losianowycz	(630) 396-8220	tina.losianowycz@comed.com
Nicor Gas	Bruce Koppan	(630) 388-2362	bkoppan@southernco.com
North Shore Gas	Jimmy Ly	(847) 263-3225	Jimmy.ly@northshoregasdelivery.com
LCDOT		(847) 377-7400	
Village of Lake Zurich	Betty Harrison	(847) 550-1776	Betty.harrison@lakezurich.org

UTILITIES TO BE WATCHED AND PROTECTED

The areas of concern noted below have been identified by following the suggested staging plan included for the contract. The information provided is not a comprehensive list of all remaining utilities, but those which during coordination were identified as ones which might require the Department's contractor to take into consideration when making the determination of the means and methods that would be required to construct the proposed improvement. In some instances, the contractor will be responsible to notify the owner in advance of the work to take place so necessary staffing on the owner's part can be secured.

No facilities requiring extra consideration.

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility. The Design JULIE locate request was submitted on August 25, 2020 by the Design Engineer.

(See previous Contact Information Table above.)

The above represents the best information available to the Department and is included for the convenience of the bidder. The days required for conflict resolution should be considered in the bid as this information has also been factored into the timeline identified for the project when setting the completion date. The applicable portions of the Standard Specifications for Road and Bridge Construction shall apply.

Estimated duration of time provided above for the first conflicts identified will begin on the date of the executed contract regardless of the status of the utility relocations. The responsible agencies will be working toward resolving subsequent conflicts in conjunction with contractor activities in the number of days noted.

The estimated relocation duration must be part of the progress schedule submitted by the contractor. A utility kickoff meeting will be scheduled between the Department, the Department's contractor and the utility companies when necessary. The Department's contractor is responsible for contacting J.U.L.I.E. prior to all excavation work.

15. Maintenance of Roadways and Erosion Control

Beginning on the date that the Contractor begins work on this project, he shall assume responsibility for normal maintenance of all existing roadways and trenches within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the contract documents.

The Contractor shall be required to control dust or air-borne dirt resulting from construction operations by utilizing a mechanical street sweeper on all pavement within or adjacent to the project work zone throughout the duration of the project. The resulting debris shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications. Individual fire hydrant use shall not be permitted to control dust at specific locations. The Contractor shall provide dust control operations daily, throughout the project limits and adjacent streets.

At the direction of the Engineer, a professional street sweeper may be requested on a weekly basis or as deemed necessary by the Village or Engineer.

The cost of this work shall be included in the unit prices bid and no additional compensation shall be allowed to control dust as specified herein.

No excavations shall be left open during non-work hours unless approved by the Engineer and adequately protected from the public.

The Contractor will be required over the course of construction to clean inlet filter baskets weekly or prior to a forecasted rain event. Many of the homes in the Village have lower garages and are susceptible to damage when streets flood. The Contractor shall be held liable for any damage to private structures if it is determined that the damage was due to the Contractor's neglect as specified herein. In the event water is not properly running through inlet filter baskets caused by debris, the Village crews may respond to resident calls about street flooding. Any Village expense occurred in labor or materials responding to these calls will be back charged to the Contractor and deducted from a future pay request.

The Contractor will be required to perform erosion control best management practices as listed on the plans, specifications, and details during construction. Discharge of sediment-laden water or construction debris into the storm sewer system or waterways will not be permitted and subjected to a monetary penalty as noted in the monetary penalties general condition. In addition, the Contractor will be responsible for cleaning all storm sewer systems and waterways to their preconstruction condition to the satisfaction of the Engineer. In the event of an illicit discharge, regardless of blame, the Contractor shall concentrate their work efforts on remedying the situation to correct the deficiency.

The work zone shall be maintained in accordance with Section 701 of the Standard Specifications. Negligence by the Contractor to follow these minimum guidelines that result in or cause damage to Village equipment during snow fall removal or any other similar Village operation will be the direct responsibility of the Contractor to repair. The repair will be completed by the Village and the cost of the repair will be deducted from the next pay request due to the Contractor.

It shall be the Contractor's responsibility to properly store and protect materials and equipment from damage resulting from snow removal and salt application operations. If it is determined by the Village or Engineer that new materials that were supposed to be permanently incorporated in the work were damaged or deemed unacceptable due to the Contractor's negligence to adhere to the above, the unacceptable material shall be removed immediately from the site of the work according to Section 106 of the Standard Specifications and no additional compensation shall be allowed to replace the new materials in-kind.

Within 24 hours following snow removal operations within the project limits, the Contractor shall be required to clean the project site and adjacent roadways of any loose materials that were inadvertently displaced. This includes, but is not limited to, the pavement area, curb line, driveway pavement, sidewalk, and parkways. If the Contractor does not comply with this requirement, a monetary penalty of \$1,000 per calendar day will be imposed for failure to provide the maintenance of roadway in a timely manner.

All operations by the Contractor such as flushing, dewatering, leaking water trucks or equipment, repairs to broken water services or water main, or similar that cause freezing of water on the pavement or sidewalk shall be maintained by salting, sanding or removal of the condition by the Contractor to the satisfaction of the Engineer.

If items of work have not been provided for in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

16. Construction Staging and Maintenance of Base Course

All pavement removal, curb installation, and hot-mix asphalt binder installation shall be completed in accordance with Section(s) 202, 406, 423, 440, and 606 of the Standard Specifications and as specified herein.

Pavement removal and hot-mix asphalt binder course placement shall be staged in a manner to minimize the exposure of vehicular traffic over the existing base course following pavement removal.

No pavement removal operations shall commence if rain is in the forecast within the following five working days. If the Contractor does not follow this requirement, any diskings, drying or undercut operations required by the Engineer to provide a sufficient subbase prior to paving shall be completed by the Contractor at no additional cost to the Village.

Roadways excavated to subgrade and/or subbase material shall have the hot-mix asphalt binder course installed within seven (7) calendar days from the first day of pavement removal on that respective street segment.

There shall be no placement of hot-mix asphalt permitted on scheduled days of refuse pickup. The Contractor shall be responsible for determining the current refuse schedule and incorporating it into their progress schedule accordingly.

No resident shall be without driveway access and no sidewalk shall be barricaded or closed for more than seven (7) calendar days unless specifically listed otherwise in the plans or herein.

Prior to driveway access impediment due to proposed curb and gutter or driveway pavement operations, the Contractor shall be required to deliver resident notification letters approved by the Engineer to each respective residence or business owner notifying them of the day and time they will not be able to get in and out of their driveway. After the new concrete curb has set, the Contractor shall install all required forms for installation of the driveway pavement for inspection by the Engineer. The Contractor is required to install curb and driveway pavement within two (2) calendar days of each other. Example: If the curb is poured on Monday the driveways will be required to be poured on the same day after the curb is set or on Tuesday. If the curb in front of the resident is not being replaced the Contractor shall frame and pour the driveway on the same day. The driveways shall be properly barricaded until the concrete is sufficiently cured. If, at the discretion of the Engineer, the driveway requires that the old aggregate base course be removed and replaced, it shall be completed prior to pouring the new concrete combination curb & gutter or not until after it has been allowed to cure for a minimum of three (3) calendar days, or after the concrete has reached 2,500 psi as verified by cylinder breaks. Any additional cylinders cast and testing costs associated with this verification shall be included in the cost of the contract. Proposed portland cement concrete sidewalk shall follow the same timeframe as noted above.

If the Contractor does not install proposed concrete curb, driveway pavement, and/or sidewalk in the time frame specified herein, a monetary penalty of \$250 per calendar day will be imposed for each day, and each occurrence the work is not completed.

The Contractor will be required to furnish and install a temporary ramp immediately following pavement removal operations. Each ramp shall be installed the full driveway width of material determined by the Contractor. Each temporary ramp shall be removed prior to paving operations, the resspreading of stone on the base or paving over hot-mix asphalt ramps will not be allowed. If the Contractor fails to install or maintain a temporary ramp in a timely manner, a monetary penalty of \$250 per calendar day will be imposed.

The Contractor shall make themselves aware of the surroundings and of private property. The Village will not tolerate entering private property or driving equipment/vehicles on a driveway within the public right of way to remain for any reason during construction unless prior approval has been granted by the property owner. The Contractor will incur a monetary penalty of \$500 per occurrence as determined by the Engineer for violation of this requirement.

17. Period of Establishment

This work shall include all labor, material, and equipment necessary to furnish and install pulverized topsoil, seed, fertilizer nutrients and Mulch Method 3A in accordance with Sections 211, 250, 251, and 252 of the Standard Specifications and as specified herein.

Pulverized topsoil shall be placed to a maximum depth of four (4) inches and not be placed until the area has been shaped, trimmed, and finished to the lines and grades as directed by the Engineer. All irregularities, depressions, or high points in the surface shall be filled or smoothed out before topsoil is placed. The surface of the topsoil shall be blended to match the existing terrain and adjacent roadway, and be free from clods, stones, sticks, and debris.

The Contractor shall furnish and place the IDOT class of seed specified, and be produced and tested in the current year, be of good quality, and free of weeds. Fertilizer nutrients shall be applied at a 1:1 ratio in accordance with Article 250.04 of the Standard Specifications. Within 24 hours of seed placement, mulch shall be placed by method 3A in accordance with Article 251.03(d) of the Standard Specifications.

It is recommended that the Contractor water the area every other day at a rate of three (3) gallons per square yard, however, it is the sole and exclusive responsibility of the Contractor to make required adjustments to the watering rate or schedule.

To be acceptable for final payment, the landscaped areas shall undergo a 30-day period of establishment beginning on the last day that seed is sowed. During this period, the Contractor shall be responsible for, at no additional cost to the Village, watering, removing weeds and maintaining the seeded areas and repairing any damage to the seeded areas due to but not limited to, errant vehicles, severe weather or all other causes. At the end of the 30-day period of establishment, the Village or Engineer will inspect the landscaped area and if deemed unsatisfactory, the Contractor shall be required to provide means and methods necessary to establish a live, healthy turf area. Should the seed not germinate because of prevailing cool weather, the period of establishment may be adjusted as determined by the Engineer. It shall

be the sole and exclusive responsibility of the Contractor, not the Engineer, for maintaining and monitoring the landscape restoration during the period of establishment. If the placed landscape restoration has not been approved by the Village or Engineer sixty (60) calendar days following installation, the Contractor will incur a monetary penalty of \$250 per calendar day.

Upon project completion and expiration of the second period of establishment noted above, any additional failure by the Contractor to achieve a healthy growth of vegetation as defined will be considered failure to complete the project on time and liquidated damages will be applied accordingly.

Planting times shall be performed when the ambient temperature has been between 45°F and 80°F for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.

The Contractor shall provide the Engineer with proper documentation on the landscaping materials supplied to the project such as topsoil source, topsoil certification, fertilizer bags, seed tags, and seed bags.

Upon placement of topsoil, seed, fertilizer nutrients, and mulch, 75 percent of each respective pay item will be paid. Upon final acceptance of the topsoil, seed, fertilizer nutrients, and mulch placed, the remaining 25 percent of each respective pay item will be paid.

The Village may postpone permanent seeding operations if deemed necessary. In such an event, the completion date may be extended accordingly.

18. Protection of Mailboxes

The Contractor shall take all necessary precautions when working near mailboxes within or adjacent to the project limits. If at the Contractor's discretion, a mailbox will interfere with construction operations, a temporary mailbox shall be located per the United States Postal Service requirements and the permanent mailbox reinstalled following said operation. At no time shall a resident be without a mailbox or not receive mail due to a mailbox being removed, replaced or damaged. The Contractor shall replace, at no additional cost to the Village, any mailbox or post which has been damaged by the Contractor's operations due to neglect, misconduct or poor workmanship. The cost of all materials required and all labor necessary to comply with the above Provisions will not be paid for separately, but shall be considered as included in the unit prices bid and no additional compensation will be allowed.

The Contractor shall refer to the mailbox installation detail included in appendix A for installation requirements.

The Contractor must maintain access for both residents and mail carriers to all mailboxes throughout the duration of the project.

19. Saw Cutting

The Contractor shall be required to perform a perpendicularly straight joint by full-depth machine sawing of all proposed items to be removed prior to removal operations to prevent damage or spalling to existing hardscape to remain. Simple or partial depth scoring shall not be permitted. Saw cut locations may or may not be shown on the plans, however, shall be required in the field. All sawcut slurry, regardless of the amount, shall be promptly removed to prevent tracking. Any slurry tracked or left on surfaces to remain shall be thoroughly cleaned or replaced, at the direction of the Village or Engineer, by the Contractor at no additional cost to the Village.

The Contractor shall replace, at no additional cost to the Village, any hardscape, outside of the limit of improvements, damaged by the Contractor's operations due to neglect, misconduct, or poor workmanship.

20. Use of Fire Hydrants

The indiscriminate use of fire hydrants is strictly prohibited. The Contractor can obtain non-potable water in bulk for a charge at Buffalo Grove's self-serve Water Station located at 851 Krause Drive. There is a credit card reader attached to the station for payment. The Contractor shall provide a water truck or containment and driver to obtain and transport the water. If it is determined that the Contractor or its subcontractors operate or use a Village fire hydrant, a monetary penalty of \$1,000 per occurrence that will be imposed.

21. Existing Hardscape

Any damage to existing hardscape from tracked equipment or due to the Contractor's negligence, workmanship, or neglect shall be replaced at the Contractor's expense. It is recommended rubber tired or rubber tracked equipment is used. Any unwarranted disturbance to the existing hardscape to remain will warrant repairs made joint to joint and in conformance with the bid documents with limits specified in the Maintenance

Letter of Credit general condition. The Engineer and Village shall determine the limit of removal and replacement operations, and all work shall be completed to the satisfaction of the Engineer.

22. Tree Protection and Preservation

This work shall consist of pruning existing trees, shrubs, or bushes in accordance with Section 201 of the Standard Specifications, except as modified herein.

Breaking off branches of plant material to remain during clearing or construction operations will not be allowed. Preceding any existing tree pruning or trimming operations, the Contractor shall demonstrate that there is no other practical method to complete the work and request permission from the Engineer. All pruning shall be done according to the current ANSI A300 (Part 1) – Pruning Standard.

All branches and foliage pruned or trimmed shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications.

All existing trees larger than 6" in diameter and not specifically designated for removal, which are removed or damaged due to the Contractor's neglect, shall be inspected by the Village Forester or his designated representative. For each infraction that causes damage to a tree, a monetary penalty of \$1,000 may be imposed and the replacement of the damaged tree required, depending on the extent of injury caused to each tree. No replacement tree shall have a diameter of less than 3" or more than 6", unless authorized by the Village of Buffalo Grove. All new plantings shall be completed in accordance with Section 253 of the Standard Specifications.

23. Use of the Work Site

The Contractor shall use the Work Site solely to complete the Work and such related activities as may be authorized or directed by the Village. Except as provided herein, Contractor shall not (nor shall Contractor cause or permit any employee or person under Contractor's control) to display or broadcast commercial, political, or religious messages or advertisements of any nature at the Work Site or in connection with the Work. The foregoing shall not be construed to prohibit the following at the Work Site or in connection with the Work: (a) the use of equipment, materials, or other items (e.g. personnel uniforms and clothing) that identify the Contractor (such as by displaying the Contractor's name, logo, slogan, contact information, or similar messages) or that identify the maker or supplier of such equipment, material, or item; or (b) the use or display of signs, flags, cones, traffic control devices, markers, or other similar devices that reasonably relate to the Work, Work Site safety, public safety, or regulatory compliance; or (c) personal speech, religious practice, or expression by any individual performing Work or at the Work Site; or (d) upon written approval or direction of the Village, the display of information regarding the sponsor of the Work or funding sources for the Work.

In addition, Contractor shall not (nor shall Contractor require or permit its personnel, subcontractors, or subcontractors' personnel to) conduct any prohibited political activity at the Work Site or while performing the Work. Contractor and its personnel or subcontractors (including any subcontractor's personnel) shall not intentionally or knowingly use the Work Site or any other property or resources of the Village in connection with any prohibited political activity. For purposes of this section, the term "prohibited political activity" shall have the meaning set forth in Section 5 of the State Officials and Employees Ethics Act, 5 ILCS 430/1-5.

24. Indemnification

To the fullest extent permitted by law, the Contractor agrees to defend, pay on behalf of, indemnify, and hold harmless the Village, its elected and appointed officials, agents, employees and volunteers and others working on behalf of the Village against any and all claims, demands, suits or loss, including all costs connected therewith, and for any damages which may be asserted, claimed or recovered against or from the Village, its elected and appointed officials, agents, employees and volunteers and others working on behalf of the Village, by reason of personal injury, including bodily injury and death, and/or property damage, whether damage to property of the Village or of a third party, including loss of use thereof, which arises out of or is in any way connected or associated with the Contract and the Work.

For this project, the Village also hired a Consultant, Gewalt Hamilton Associates. The Contractor shall indemnify the Consultant in the same manner as the Village, as stated above.

25. Insurance Requirements

12.04.080 - Insurance.

- A. Required Coverages and Limits. Unless otherwise provided by franchise, license, or similar agreement, each Contractor occupying right-of-way or constructing any facility in the right-of-way shall secure and maintain the following liability insurance policies insuring the Contractor as named insured and naming the Village, and its elected and appointed officers, officials, agents, and employees and

Gewalt Hamilton Associates, Inc. and employees as additional insureds on the policies listed in subsection (A)(1) and (A)(2) of this section:

1. Commercial general liability insurance, including premises-operations, explosion, collapse, and underground hazard (commonly referred to as "X," "C," and "U" coverages) and products-completed operations coverage with limits not less than:
 - a. Five million dollars for bodily injury or death to each person,
 - b. Five million dollars for property damage resulting from any one accident, and
 - c. Five million dollars for all other types of liability;
2. Automobile liability for owned, non-owned and hired vehicles with a combined single limit of one million dollars for personal injury and property damage for each accident;
3. Worker's compensation with statutory limits; and
4. Employer's liability insurance with limits of not less than one million dollars per employee and per accident.

If the Contractor is not providing such insurance to protect the contractors and subcontractors performing the work, then such contractors and subcontractors shall comply with this section.

- B. Excess or Umbrella Policies. The coverages required by this section may be in any combination of primary, excess, and umbrella policies. Any excess or umbrella policy must provide excess coverage over underlying insurance on a following-form basis such that when any loss covered by the primary policy exceeds the limits under the primary policy, the excess or umbrella policy becomes effective to cover such loss.
- C. **Copies Required. The Contractor shall provide copies of any of the policies including all endorsements or certificates required by this section to the Village within ten calendar days following receipt of a written request therefor from the Village.**
- D. Maintenance and Renewal of Required Coverages. The insurance policies required by this section shall contain the following endorsement:

"It is hereby understood and agreed that this policy may not be canceled nor the intention not to renew be stated until thirty (30) calendar days after receipt by the Village, by registered mail or certified mail, return receipt requested, of a written notice addressed to the Village Manager of such intent to cancel or not to renew."

Within ten (10) calendar days after receipt by the Village of said notice, and in no event later than ten (10) calendar days prior to said cancellation, the Contractor shall obtain and furnish to the Village evidence of replacement insurance policies meeting the requirements of this section.

- E. Self-Insurance. A Contractor may self-insure all or a portion of the insurance coverage and limit requirements required by subsection A of this section. A Contractor that self-insures is not required, to the extent of such self-insurance, to comply with the requirement for the naming of additional insureds under subsection A of this section, or the requirements of subsections B through D of this section. A Contractor that elects to self-insure shall provide to the Village evidence sufficient to demonstrate its financial ability to self-insure the insurance coverage and limit requirements required under subsection A of this section, such as evidence that the Contractor is a "private self-insurer" under the Workers Compensation Act.
- F. Effect of Insurance and Self-Insurance on Contractor's Liability. The legal liability of the Contractor to the Village and any person for any of the matters that are the subject of the insurance policies or self-insurance required by this section shall not be limited by such insurance policies or self-insurance or by the recovery of any amounts thereunder.
- G. Insurance Companies. All insurance provided pursuant to this section shall be effected under valid and enforceable policies, issued by insurers legally able to conduct business with the licensee in the State of Illinois. All insurance carriers and surplus line carriers shall be rated "A-" or better and of a class size "X" or higher by A.M. Best Company.
- H. Verification of Coverage. **Contractor shall furnish the Village with certificates of insurance naming the Village, its officials, agents, employees, and volunteers as additional insured's and with original endorsements, affecting coverage required herein.** The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be received and approved by the Village before any work commences. The Village reserves the right to request full certified copies of the insurance policies and endorsements.
- I. Subcontractors. Contractor shall include all subcontractors as insured's under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage's for subcontractors shall be subject to all of the requirements stated herein.

- J. Assumption of Liability. The contractor assumes liability for all injury to or death of any person or persons including employees of the contractor, any subcontractor, any supplier or any other person and assumes liability for all damage to property sustained by any person or persons occasioned by or in any way arising out of any work performed pursuant to the Contract.
- K. Workers' Compensation and Employers' Liability Coverage. The insurer shall agree to waive all rights of subrogation against the Village of Buffalo Grove, its officials, employees, agents and volunteers for losses arising from work performed by Contractor for the municipality.
- L. Failure to Comply. In the event the Contractor fails to obtain or maintain any insurance coverage's required under this contract, The Village may purchase such insurance coverage's and charge the expense thereof to the Contractor.

Nothing contained herein is intended to constitute, nor shall it constitute a waiver of the rights, defenses and/or other immunities provided or available to the Village under law including, but not limited to, the Local Governmental and Governmental Employees Tort Immunity Act.

26. Accidents

In the event of any accident of any kind that involves the general public or property of the Village or a third party, the Contractor shall immediately notify the Village by phone as well as provide Notice of the same. The Notice shall include a full accounting of all details of the accident. The Contractor shall furnish the Village with copies of all reports of such accidents at the same time that the reports are forwarded to any other interested parties.

27. No Assignment

If the Contractor sublets or assigns any part of the Work then the Contractor shall not under any circumstances be relieved of its liabilities hereunder. All transactions of the Village shall be with the Contractor. Subcontractors shall be recognized only in the capacity of employees or workmen and shall be subject to the same requirements as to character and competence. The Contractor shall not assign, transfer, convey, sell or otherwise dispose of the whole or any part of this Contract to any person, firm or corporation without written consent of the Village or authorized representative.

28. Default

The following shall constitute a default an "Event of Default" by the Contractor under this Contract:

- A. If the Contractor shall fail to strictly observe or perform one or more of the terms, conditions, covenants and agreements of this Contract;
- B. If there shall be placed on any property owned by the Village any mechanics', materialmens' or suppliers' lien;
- C. If there shall be instituted any proceeding against the Contractor seeking liquidation, dissolution or similar relief and the same shall not be dismissed within forty-five (45) calendar days;
- D. If there shall be appointed any trustee, receiver or liquidator of the Contractor and such appointment shall not have been vacated within forty-five (45) calendar days; and
- E. If the Contractor fails to maintain or obtain any and all permits, licenses and the like, if any, required by the Village, State or Federal governments for the Work.

Upon any Event of Default the Village shall have the option of (i) terminating the Contract; (ii) pursuing any remedy available to it at law or in equity; or (iii) pursuing both simultaneously. In addition, upon an Event of Default, the Village may withhold payments due to the Contractor until it has hired a replacement of the Contractor and deducted all costs of hiring a replacement.

29. Delays

The Contractor shall not be liable in damages for delays in performance when such delay is the result of fire, flood, strike, acts of God, or by any other circumstances which are beyond the control of the Contractor; provided, however, under such circumstances the Village may, at its option, cancel the Contract.

30. Compliance With Laws

The Contractor shall comply with all applicable laws, regulations and rules promulgated by any federal, state, local, or other governmental authority or regulatory body pertaining to all aspects of the Work, now in effect, or which may become in effect during the performance of the Work. The scope of the laws, regulations, and rules referred to in this paragraph includes, but is in no way limited to, the Illinois Human Rights Act, Illinois Equal Pay Act of 2003, Occupational Safety & Health Act along with the standards and regulations promulgated pursuant thereto (including but not limited to those safety requirements involving work on elevated platforms), all forms of traffic regulations, public utility, Interstate and Intrastate Commerce Commission regulations, Workers' Compensation Laws, Public Construction Bond Act, Public Works Preference Act, Employment of Illinois Workers on Public Works Act, USA Security Act, federal Social Security Act (and any of its titles), and any other law, rule or regulation of the Illinois Department of Labor, Department of Transportation, Illinois Environmental Protection Act, Illinois Department of Natural Resources, Illinois Department of Human Rights, Human Rights Commission, EEOC, and the Village of Buffalo Grove. Notwithstanding the following, the Contractor shall particularly note that:

A. NO DISCRIMINATION – The Contractor shall comply with the provisions of the Illinois Public Works Employment Discrimination Act and the Illinois Human Rights Act/Equal Opportunity Clause which, pursuant to Illinois law, are deemed to be part of this Contract.

B. FREEDOM OF INFORMATION - The Contractor agrees to furnish all documentation related to the Contract, the Work and any documentation related to the Village required under an Illinois Freedom of Information Act (ILCS 140/1 et. seq.) ("FOIA") request within five (5) calendar days after the Village issues Notice of such request to the Contractor. The Contractor agrees to defend, indemnify and hold harmless the Village, and agrees to pay all reasonable costs connected therewith (including, but not limited to attorney's and witness fees, filing fees and any other expenses) for the Village to defend any and all causes, actions, causes of action, disputes, prosecutions, or conflicts arising from Contractor's actual or alleged violation of FOIA or the Contractor's failure to furnish all documentation related to a FOIA request within five (5) calendar days after Notice from the Village for the same. Furthermore, should the Contractor request that the Village utilize a lawful exemption under FOIA in relation to any FOIA request thereby denying that request, Contractor agrees to pay all costs connected therewith (such as attorneys' and witness fees, filing fees and any other expenses) to defend the denial of the request. This defense shall include, but not be limited to, any challenged or appealed denials of FOIA requests to either the Illinois Attorney General or a court of competent jurisdiction.

C. ILLINOIS WORKERS ON PUBLIC WORKS ACT - To the extent applicable, the Contractor shall comply with the Illinois Workers on Public Works Act, 30 ILCS 570/1 et seq., and shall provide to the Village any supporting documentation necessary to show such compliance.

D. NOT A BLOCKED PERSON - The Contractor affirms and covenants that neither the Contractor nor any individual employed by the Contractor for this Work or under this Contract is a person forbidden from doing business with a unit of local government under Executive Order No. 13224 (Sept 23, 2001), 66 Fed.Reg. 49,079 (Sept 23, 2001) or is a person registered on the Specially Designated Nationals and Blocked Persons List. The Contractor shall indemnify the Village from all costs associated with failure to comply with this paragraph.

E. SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS ACT - The Contractor knows, understands and acknowledges its obligations under the Substance Abuse Prevention on Public Works Act (820 ILCS 265/1 et seq.), and shall comply and require all subcontractors and lower tiered contractors to comply with the requirements and provisions thereof.

31. No Waiver of Rights

A waiver by the Village of any Event of Default or any term of provision of this Contract shall not be a waiver of the same Event of Default, another Event of Default or any other term or provision of this Contract.

32. Termination of the Contract

Voluntary Termination. Notwithstanding any other provision hereof, the Village may terminate this Contract during the Initial Term

with or without cause, at any time upon thirty (30) calendar days prior written notice to the Contractor.

Termination for Breach. Either party may terminate this Contract upon written notice to the other party following material breach of a material provision of this Contract by the other party if the breaching party does not cure such breach within fifteen (15) calendar days of receipt of written notice of such breach from the non-breaching party.

33. Controlling Law and Venue

This Contract is entered into in the State of Illinois, for work to be performed in the State of Illinois and shall be governed by and construed in accordance with the laws of the State of Illinois. Any legal matters or dispute shall be resolved in the Circuit Court of Cook County and the Parties hereby submit to the jurisdiction of such Circuit Court. This Contract shall be construed without regard to any presumption or other rule requiring construction against the Party causing the Contract to be drafted.

34. Miscellaneous

- A. AMENDMENT** – This Contract may be amended only in writing executed by both Parties.
- B. NO RECORDING** – This Contract, or a memorandum thereof, may not be recorded in any form by either Party. If either Party records this Contract, or a memorandum thereof, they shall immediately file a release of the same.
- C. SECTION HEADINGS** – The headings in the Contract are intended for convenience only and shall not be taken into consideration in any construction or interpretation of the Contract.
- D. NO THIRD PARTY BENEFICIARIES** – This Contract does not confer any rights or benefits on any third party.
- E. BINDING EFFECT** – This Contract shall be binding and inure to the benefit of the Parties hereto, their respective legal representatives, heirs and successors-in-interest.
- F. ENTIRE AGREEMENT** – This Contract supersedes all prior agreements and understandings and constitutes the entire understanding between the Parties relating to the subject matter hereof.
- G. SEVERABILITY** - If any term, condition or provision of the Contract is adjudicated invalid or unenforceable, the remainder of the Contract shall not be affected and shall remain in full force and effect, to the fullest extent permitted by law.
- H. TORT IMMUNITY DEFENSES** - Nothing contained in this Contract is intended to constitute nor shall constitute a waiver of the rights, defenses, and immunities provided or available to the Village under the Local Governmental and Governmental Employees Tort Immunity Act, 745 ILCS 10 *et seq.*

35. Application For Payment

At least once each month, the Engineer will make a written estimate of the quantity of work performed in accordance with the Contract, and the value thereof at the contract unit prices according to Article 109.02 of the Standard Specifications. For each pay period, the quantity cut off will be the first Saturday of each month. During the second week, the Engineer and Contractor will agree to the quantities completed to-date. The Contractor shall submit an agreed upon invoice electronically to the Engineer by the end of the working day of the third Monday of the month. The Village will begin their payment process and will result in the review of the payment at the next regularly scheduled Village Board meeting. Prior to the release of payment, the Contractor shall submit electronically, all certified payroll reports, applicable waivers, and a notarized and signed clarifying statement for Village Attorney review and subsequent approval. Prior to the release of the check, hard-copies of all applicable waivers and the clarifying statement shall be received by the Village.

All payments under this Contract must be approved by the Village Board at a regularly scheduled meeting. The Village reserves the right to request any receipts, invoices, proof of payments as the Village, in its sole discretion, may deem necessary to justify the payment requested prior to paying the requested payment. A Final Lien Waiver from the Contractor, its subcontractors, and all material suppliers shall be furnished with the final application for payment.

The Contractor acknowledges that the Village is a unit of local government and that all payments under the Contract are subject to the Local Government Prompt Payment Act, 50 ILCS 505 *et seq.* To that extent, the Village shall have forty-five calendar (45) days from receipt of a

bill or invoice to pay the same before it is considered late under the Contract. Interest, if any, charged for any late payments will be subject to the interest rate caps specified in the Prompt Payment Act.

36. Retainage and Waivers

The Village of Buffalo Grove has the option to retain from the amount due to the Contractor a maximum of ten percent (10%) from each pay request. The Contractor may request the retainage be reduced and provide reasoning for such reduction in writing to the Village. The Village has the option to accept or deny the request and shall be considered final. The retainage may be held until the Village determines the project to be final and accepted, at which time any warranty or maintenance period shall commence.

The Contractor shall submit, for each pay request submittal, original partial or final waivers from all subcontractors and material suppliers for the work payment is requested from the Village; trailing waivers will not be permitted. The Village will not remit payment to the Contractor until all original hard-copies of waivers for the work the Contractor is requesting payment for are received and reviewed. To help expedite the process, the Village is willing to review draft waivers after the invoice has been submitted for the pay request. When the draft waivers are reviewed and found acceptable, and the check is cut according to the Village's Warrant schedule, then the check and final waivers can be exchanged accordingly.

37. Certified Payroll Reports

Pursuant to PA 100-1177 the Illinois Department of Labor (IDOL) has activated an electronic database (Payroll Portal) capable of accepting and retaining certified payrolls submitted under the State of Illinois Prevailing Wage Act (820 ILCS/130/1). All contractors and subcontractors completing work for the Village of Buffalo Grove pursuant to the Act must submit all certified payroll through the IDOL Payroll Portal.

The Village is an Illinois unit of local government and the Work hereunder is subject to the Illinois Prevailing Wage Act, 820 ILCS 130/0.01, et seq. Consequently, the Contractor and each subcontractor shall submit with their application for payment(s) the email certification received from their IDOL Payroll Portal submittal with each of their pay requests. Any delay in processing the payments due to a lack of aforementioned email certification shall not be an event of default by the Village and shall not excuse any delay by the Contractor who shall proceed with the Work as if no delay in payment has occurred. The Contractor and Village shall agree to take any further steps not outlined above to ensure compliance with the Prevailing Wage Act. Upon two business days' Notice, the Contractor and each subcontractor shall make available to the Village their records to confirm compliance with the Prevailing Wage Act. Finally, to ensure compliance with Prevailing Wage Act, the Contractor and each subcontractor shall keep for a period of not less than 5 years after the Work has been completed records of all laborers, mechanics, and other workers employed by them for the Work; the records shall include each worker's name, address, telephone number, classification or classifications, the hourly wages paid in each period, the number of hours worked each day, the starting and ending times of work each day and, when available, last four digits of the social security number. The Contractor shall provide a list of every name, address, phone number and email of every sub-contractor for the Work.

If the contractor must submit the payroll to the Village of Buffalo Grove for reasons outside of their control, the Village requests that the Contractor submit all certified payroll reports, including subcontractors, and EEO reporting be sent electronically in separate files for each respective Contractor/subcontractor with the weeks ending date in the file name to amdow@vbg.org (i.e. Contractor Name Week Ending.pdf) as shown in the sample letter in Exhibit D.

The Contractor is responsible for providing all records in accordance with the Illinois Department of Labor's (IDOL) requirements pertaining to the Prevailing Wage Act on the standard IDOL form. Only the last four (4) digits of the employee's social security number will be required; the remaining digits shall be "X" or redacted. To complete the certified payroll request for release of payment, the Contractor must supply a signed and notarized written statement that all necessary documentation has been turned over for the pay period pertaining to that payment requested.

Under P.A. 98-0328, the public body must retain copies of the certified payroll for 5 years rather than 3 years as was the case previously. The Illinois Department of Labor (IDOL) has created model certified payroll forms which can be found at the IDOL website www.illinois.gov/idol. the new form consists of three pages identified as the "certified transcript of payroll affidavit" and "certified transcript of payroll instructions". The new forms on the IDOL website can be filled in online and then printed out. under P.A. 98-0482, contractors and subcontractors will have to provide additional information with respect to working hours, wage rates, overtime rates and fringe benefits. The IDOL's model certified payroll forms are the most current forms for compliance with P.A. 98-0482 and should be used in public works contracts.

38. Monetary Penalties

All work shall be completed in accordance with the Contract Documents in a reasonable and timely manner. For each occurrence that work is not completed in a reasonable and timely manner, a monetary penalty will be deducted from the final pay application. The Contractor shall make themselves and all subcontractors aware of the following deficiency and deductions:

Description	Penalty	Per Occurrence
Failure to Sweep Roadway	\$250	Calendar Day
Failure to Maintain Trench	\$250	Calendar Day
Failure to Adhere to Period of Establishment Requirements	\$250	Calendar Day
Distributing Unapproved Resident Notices	\$100	Household
Failure to Distribute Notices in a Timely Manner	\$100	Household
Failure to Distribute Notice to Resident	\$100	Household
Failure to Provide Access in a Timely Manner	\$250	Household/Occurrence Per Day
Failure to Provide Weekly Update to Engineer/Maintain Schedule	\$1,000	Per Occurrence
Failure to Attend a Scheduled Weekly Meeting	\$1,000	Per Occurrence
Failure to Respond in a Timely Manner to a Resident	\$250	Calendar Day
Failure to Ramp Roadway or Driveway	\$250	Household/Roadway Per Day
Use of Fire Hydrant or Valve	\$1,000	Each
Failure to Provide Maintenance of Roadway in a Timely Manner as Determined by the Engineer	\$1,000	Calendar Day
Entering Private Property	\$500	Per Occurrence
Failure to Provide Portable Facilities	\$100	Calendar Day
Illicit Discharge of Silt or Construction Debris	\$1,000	Per Occurrence
Failure to Submit Shop Drawings on Time	\$500	Per Occurrence
Failure to Maintain Erosion and/or Sediment Control Devices	\$1,000	Per Occurrence
Working Outside Allowable Work Hours	\$1,000	Per Occurrence

At the discretion of the Engineer and without notice, the Contractor shall have deducted the monetary penalty amount as listed above for each occurrence on the final pay application.

39. Weekly Progress Meeting and Schedule Updates

The Contractor will be required to provide weekly schedule updates with the anticipated schedule for the following week by 3:00PM every Thursday starting ten (10) calendar days after contract execution and continuing until the project is formally accepted by the Village. The Contractor will be required to submit an initial weekly schedule update with the anticipated schedule the Thursday prior to construction commencement; if the Contractor fails to submit this initial notice, no work shall be permitted to begin. The weekly progress update shall be emailed to the Resident Engineer and Village project representative. The Contractor shall make every effort to maintain the schedule within one (1) calendar day of delay, excluding weather or unforeseen circumstances. Failure to maintain the schedule may result in a monetary penalty of \$1,000 per calendar day if it is determined that substantial effort to maintain the schedule is not made.

If, at the discretion of the Village or Engineer, a mandatory weekly progress meeting may be scheduled to coordinate anticipated work. This meeting will be held on Thursday following receipt of the weekly progress update. If the Contractor fails to attend a mandatory weekly meeting requested by the Village or Engineer a monetary penalty of \$1,000 per occurrence will be imposed.

40. Public Notification

The Contractor shall be required to provide and distribute letters to residents or business owners anytime access will be affected to a home or utility service is interrupted. Letters shall be typed on standard 8.5" x 11" paper and an envelope may or may not be used. All letters, including those written and distributed by a subcontractor, shall be printed on the General Contractor's letterhead and include the name, address, and telephone number of the General Contractor's person in charge.

Letters shall be taped to a non-painted surface using painters tape or approved equal, and will be placed in as many locations as needed to ensure they will be visible to residents. Distributing letters via mailbox is discouraged, however, must be compliant with all United States Postal Service federal regulations. Notification letters shall include, but is not limited to, the following information:

- Exact day and time work is to begin that will affect access (weather permitting).
- How the resident will know they may resume normal access to their property.
- The anticipated length of the closure (no more than one week will be permitted).
- Specific location where parking is permitted, both overnight and during the working day (as signed and normally permitted during daytime).
- The Village of Buffalo Grove Police Department has been notified that overnight parking will be permitted. (It shall be the responsibility of the Contractor to confirm this with the Village.)
- The Contractor will go door-to-door the moment prior to work is to begin to ensure all accommodations are made.
- General Contractor's person in charge name and contact information for additional information or specific requests.
- If applicable, provide Resident flushing procedures (following reconnection of the water service, resident to flush inside of the house via the bath or utility sink for ten minutes prior to consumption).

Notification letters shall be distributed a minimum of 24 hours prior to access being affected or otherwise. If this requirement is not met, work shall not commence. **All letters must be approved by the Village or Engineer prior to and for each individual distribution occurrence.** Additional letters may be required when weather or other unforeseen circumstances change the schedule. When requested, the Contractor is required to return or provide correspondence from a resident within 24 hours.

Under special circumstances, the Village may choose to write a notification letter and the Contractor shall still be responsible for delivering the letter as specified herein. An example of a resident notification letter can be found in Appendix A.

The Contractor must comply with all of the above-mentioned statements otherwise a monetary penalty of \$100 per household, per calendar day shall be imposed.

41. Maintenance Letter of Credit

The Contractor will be required to post a Letter of Credit for a period of One Year (1-yr) from date of final acceptance by the Village. Final acceptance will be the date the Final Payment is made to the Contractor. The Letter of Credit shall be in a form acceptable to the Village in the amount of 10% (ten percent) of the awarded contract value. Unless under emergency situations the Village will offer the Contractor the ability to fix or repair any item prior to drawing from the Letter of Credit. If the Contractor elects to perform the repairs themselves all work must be complete within 14 calendar days of notice from the Village or the Village reserves the right to perform the repairs themselves.

The Letter of Credit shall cover all necessary repairs or replacements as deemed necessary by the Village due to poor workmanship, failed materials, any settlement, excessively spalled, chert popped or cracked concrete, storm, sanitary and water main failures, restoration establishment, and other items as completed by the Contractor under the Contract.

All required pavement repairs shall be from curb line to the nearest cold joint. Pavement repairs shall have all joints routed and filled with crack seal material including along the edge of pavement 30 calendar days after installation.

If the Contractor elects to not perform the repairs or does not perform them in the time allotted the Village will perform the work and collect from the Letter of Credit any damages incurred by the Village to perform the repairs.

42. Water and Sewer Services

The Village of Buffalo Grove will not locate private water and sewer service lines as part of the JULIE notification system. The property owner is the owner of these services from the building to the main and are exempt from the JULIE system.

The Contractor is fully responsible for protecting all utilities near or in their excavation area and shall make themselves fully aware of the exact location of each utility; marked or not marked. The Contractor may elect to locate any and all utilities marked or unmarked, at their expense. Repeated damage to service lines will need to be repaired from the main to the right-of-way as directed by the Engineer. The Contractor shall be responsible for repairs to all damaged utilities incurred as determined by the Village or Engineer.

All repairs to damaged water and sewer service lines shall be completed with material equal to, including size, of the existing service. Connections of dissimilar materials shall be made with stainless steel non-shear mission couplings or appropriate flare couplings for water services. All fittings for copper water service lines shall be of the "flare" type regardless of temporary or permanent use. Any damage to existing water service lines during construction shall be repaired with the existing main under pressure. The Contractor shall have a crimping tool and e-z out or freeze kit on-site to make repairs as required. Repair of service lines in this manner shall only be performed on lines that will be abandoned as part of this project, if applicable.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. This work shall not be paid for separately and no additional cost incurred will be the responsibility of the Village.

43. Earth Excavation

All earth excavation required to complete this project to the proposed lines, grades, and cross sections shall be in accordance with Section 202 of the Standard Specifications. Earth excavation will not be paid for separately but shall be included in the cost of the item requiring the excavation. All surplus excavated material shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications.

44. Final Site Inspection

After the Contractor has submitted the notice of final completion to the Village, the Contractor shall schedule a final site inspection with the Village and Engineer. The Contractor shall provide a laborer or Contractor's representative for the final inspection that will be responsible for the following:

1. Open and inspect all existing and newly installed storm structures, sanitary structures, and valve vaults.
2. Key all hydrant auxiliary boxes and operate the valve.
3. Key all b-box's and operate the valve.
4. Key all valves and operate the valve.
5. Review general site cleanliness and condition of landscaping, curb, sidewalk, pavement, etc.

Upon completion of the final site inspection, the Engineer will provide the Contractor a list of any deficiencies documented. The Contractor will have fourteen (14) calendar days to correct any deficiencies following the scheduled final inspection and punch list submittal by the Engineer.

45. Permits and Licenses

The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work in accordance with Article 107.04 of the Standard Specifications. No work shall be performed until all applicable permit requirements are fulfilled.

The following permits shall be applicable to this Contract:

- None are expected.

Special Provisions

1. General Landscape Restoration (Special)

This work shall include all labor, material, and equipment necessary to furnish, place, and maintain pulverized topsoil, seed, fertilizer nutrients, and Mulch Method 3A in accordance with Section(s) 211, 250, and 251 of the Standard Specifications and as specified herein.

Pulverized topsoil shall be placed to a maximum depth of four (4) inches and not be placed until the area has been shaped, trimmed, and finished to the lines and grades as directed by the Engineer. All irregularities, depressions, or high points in the surface shall be filled or smoothed out before topsoil is placed. The surface of the topsoil shall be blended to match the existing terrain and adjacent hardscape, and be free from clods, stones, sticks, and debris.

The Contractor shall furnish and place IDOT Class 1A salt tolerant lawn mixture, produced and tested in the current year, be of good quality, and free of weeds. Nitrogen and potassium fertilizer nutrients shall be applied at a 1:1 ratio in accordance with Article 250.04 of the Standard Specifications (phosphorus is not permitted). Within 24 hours of seed placement, mulch shall be placed my method 3A in accordance with Article 251.03(d) of the Standard Specifications.

It is recommended that the Contractor water the area every other day at a rate of three (3) gallons per square yard, however, it is the sole and exclusive responsibility of the Contractor to make required adjustments to the watering rate or schedule.

To be acceptable for final payment, the landscaped areas shall undergo a 30-day period of establishment beginning on the last day that seed is sowed. During this period, the Contractor shall be responsible for, at no additional cost to the Village, watering, removing weeds and maintaining the seeded areas and repairing any damage to the seeded areas due to but not limited to, errant vehicles, severe weather or all other causes. At the end of the 30-day period of establishment, the Owner or Engineer will inspect the landscaped area and if deemed unsatisfactory, the Contractor shall be required to provide means and methods necessary to establish a live, healthy turf area. Should the seed not germinate because of prevailing cool weather, the period of establishment may be adjusted as determined by the Engineer. It shall be the sole and exclusive responsibility of the Contractor, not the Engineer, for maintaining and monitoring the landscape restoration during the period of establishment. If the placed landscape restoration has not been approved by the Owner or Engineer sixty (60) calendar days following installation, the Contractor will incur a monetary penalty of \$250 per calendar day.

Planting times shall be performed when the ambient temperature has been between 45°F and 80°F for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.

The Contractor shall provide the Engineer with proper documentation on the landscaping materials supplied to the project such as topsoil source, topsoil certification, fertilizer bags, seed tags, and seed bags.

Upon placement of topsoil, seed, fertilizer nutrients, and mulch, 75 percent of each respective pay item will be paid. Upon final acceptance of the topsoil, seed, fertilizer nutrients, and mulch placed, the remaining 25 percent of each respective pay item will be paid.

The Village may postpone permanent seeding operations if deemed necessary. In such an event, the completion date may be extended accordingly.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for GENERAL LANDSCAPE RESTORATION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

2. Temporary Landscape Restoration (Special)

This work shall include all labor, material, and equipment necessary to furnish, install, maintain, and remove temporary landscape restoration in accordance with Section(s) 211, 250, and 251 of the Standard Specifications and as specified herein.

Any restoration work completed outside of the planting times as defined by Article 250.07 of the Standard Specifications will be considered temporary and will be paid for separately.

At the direction of the Engineer, the Contractor will be required to mow the temporary grass as part of the temporary landscape work and it is anticipated that the Contractor will be required to mow every two (2) weeks. The Contractor will have 48-hours following written notice by

the Engineer to complete mowing operations as requested. Failure to mow when requested will result in a monetary penalty of \$1,000 per day until the mowing has been completed.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for TEMPORARY EROSION CONTROL SEEDING (SPECIAL), TEMPORARY LANDSCAPE RESTORATION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

3. Aggregate Base Course, Type B Varies (Special)

This work shall include all labor, material, and equipment necessary to furnish and place aggregate base courses on a prepared subgrade or subbase in accordance with Section(s) 311 and 351 of the Standard Specifications and as specified herein.

This work includes all new aggregate base course material for proposed roadway base course, aggregate base repair, front fill for new concrete curb and gutter, temporary aggregate, capping stone in trenches and subbase granular material for sidewalk and driveway pavement, at the depths specified on the Engineering plans.

The material used for this item shall be exclusively IDOT certified Class B coarse aggregate material meeting the gradation of CA-6 in accordance with Section 1004 of the Standard Specifications. Mixing of aggregate from multiple sources is strictly prohibited. If it is determined that a different source is required for any reason, the new material must be approved by the Engineer prior to delivery or placement, and shall occur roadway to roadway. Crushed concrete may not be used for roadway base course or aggregate base repair. At the direction of the Engineer, crushed concrete may be used for driveway and sidewalk subbase granular material but shall be supplied from an IDOT approved source and material.

All aggregate shall be compacted to 95% modified proctor density conforming to ASTM D-1557 or AASHTO T-180.

This work will be measured in place and paid for at the contract unit price per ton (TN) for AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

4. Hot-Mix Asphalt Leveling Binder, Binder Course, and Surface Course (Special)

This work shall include all labor, material, and equipment necessary to furnish and place hot-mix asphalt, of the type specified, in accordance with Section 406 of the Standard Specifications and as specified herein.

The type of mix specified is commonly known as 'MURPHY MIX'.

Hot-Mix Asphalt Mixtures: The Contractor shall submit mix designs, for approval, for each required mixture, at least one week in advance of scheduled placement.

Surface: N-50 Hot Mix Asphalt 9.5-mm Surface Course Mix "C or D" and Leveling Binder.

The AJMF during production shall have a minimum of 40% passing on the #8 sieve and still meet IDOT volumetric requirements.

Binder: N-50 Hot-Mix Asphalt 19.0-mm Binder Course Mix 'B'.

The AJMF during production shall have a minimum of 40% passing on the #4 sieve and still meet IDOT volumetric requirements.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS:

Item	AC Type Overlay	AC Type Full Depth	Air Voids
Hot-Mix Asphalt Surface Course, Mix "C/D", N50	PG 58-22 / 58-28*	PG 58-28 / 46-34*	3.5% @ 50 GYR
Leveling Binder (Machine Method), N50	PG 58-22 / 58-28*	PG 58-28 / 46-34*	3.5% @ 50 GYR
Hot-Mix / Asphalt Binder Course, IL-19, N50	PG 58-22 / 58-28*	PG 58-28 / 46-34* PG 58-28 when below 4" in depth	3.5% @ 50 GYR

1. All production shall trend about 3.5% Air Voids.
2. Re-proportioning (within SSRBC adjustments allowed) of IDOT verified mix designs may be allowed and the Contractor must submit these values for a review by the Engineer at least one week prior to the first day of production.
3. One field TSR test by the Contractor will be required to validate changes.
4. The AJMF submitted and during production shall meet remaining IDOT volumetric requirements.
5. When Asphalt Binder Replacement (ABR) exceeds 15%, the new asphalt binder in the mix shall be changed as noted above. No more than 30% ABR and no more than 2.0% Reclaimed Asphalt Shingles (RAS) shall be allowed in the asphalt.

Hot Mix Asphalt Construction

1. Tack coat all longitudinal joints (hot and cold) and curb faces.
2. Pneumatic tired roller is required on all lifts, all mixes, except surface courses.
3. Auger extensions are required on all lifts, all mixes.
4. Reverse augers must be installed properly.
5. Roll (compact) the confined and curb line longitudinal joint by overlapping by 6" from the hot to cold side of mat and / or curbing.
6. Paving of the full roadway width shall be completed at the end of each day. Longitudinal joints shall be closed daily and within one truck load of HMA to prevent cold joints. Any violation shall require saw cutting edge back 3" to expose straight edge, shall be tack coated twice, and will be straight and uniform.
7. The Village may consider allowing a full road closure with detours at the Contractors request in order to allow for full width surface paving to facilitate this requirement on 24' wide roads. However, detour and/or additional traffic control devices will be at Contractors expense.
8. Asphalt along the curb line shall be compacted such that the asphalt is 1/4" above the flag of gutter.
9. Temporary ramps, regardless of material, shall be removed prior to placement of the next pavement course.
10. Any compromises of 16' ski or 1/4" gutter flag exposure shall be brought to the engineers attention and discussed. Failure to do so may result in repairs at the Contractors expense.

This work will be measured in place and paid for at the contract unit price per ton (TN) for HOT-MIX ASPHALT BINDER COURSE (SPECIAL), HOT-MIX ASPHALT SURFACE COURSE (SPECIAL), or per square yard (SY) for HOT-MIX ASPHALT DRIVEWAY PAVEMENT, of the depth specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

5. Detectable Warnings (Special)

This work shall include all labor, material, and equipment necessary to furnish and place detectable warning plates at locations shown on the Engineering plans in accordance with Section 424 of the Standard Specifications and as specified herein.

The detectable warning plates shall be produced and supplied by one of the following manufacturers:

Neenah Foundry Co.
2121 Brooks Avenue
Neenah, WI 54956
Phone: (920) 725-7000
www.nfco.com

East Jordan Iron Works
310 Garnet Drive
New Lenox, IL 60451
Phone: (815) 740-1640
www.ejco.com/am/en

The color of the detectable warning plates shall be federal #22144. The detectable warning plates that are to be furnished by the Contractor shall be those that the Village does not have, including, but not limited to, specific radii detectable warning plates.

The Contractor shall order the detectable warning plates within two weeks following the pre-construction meeting. Any delays to the project caused by backordered materials will not constitute an extension of the project completion date or out of sequence construction operations.

Cutting of the detectable warning plates will only be allowed in accordance with the manufacturer's recommendation. Radius plates shall be used as deemed necessary by the Engineer and as shown on the Engineering plans. Quick Connect Plates and Bolted Plates are both

acceptable.

This work will be measured in place and paid for at the contract unit price per square foot (SF) for DETECTABLE WARNINGS (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

6. Detectable Warnings (Furnished by Others)

This work shall include all labor, material, and equipment necessary to place furnished detectable warning plates at locations shown on the Engineering plans in accordance with Section 424 of the Standard Specifications and as specified herein.

The Village of Buffalo Grove will furnish 24"x24" and 24"x30" detectable warning plates. The Contractor shall coordinate the retrieval of materials from the Department of Public Works Facility at 51 Raupp Boulevard from 7 AM to 3 PM, a minimum of 48 hours in advance of when the plates will be needed.

Cutting of the detectable warning plates will only be allowed in accordance with the manufacturer's recommendation. The cutting of two panels to develop a radius will not be permitted.

This work will be measured in place and paid for at the contract unit price per square foot (SF) for DETECTABLE WARNINGS (FURNISHED BY OTHERS), which shall include all labor, material, and equipment required to complete the work as specified herein.

7. Pavement Removal

This work shall include all labor, material, and equipment necessary to completely remove the existing pavement as marked by the Engineer in accordance with Section 440 of the Standard Specifications.

Pavement removal shall be defined as asphalt or concrete pavement including asphalt or concrete base course, overlays, pozzolanic material, and aggregate or stabilized subbase material to the depth specified in the contract documents.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for PAVEMENT REMOVAL (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

8. Driveway Pavement Removal

This work shall include all labor, material, and equipment necessary to remove existing driveway pavement as marked by the Engineer in accordance with Section 440 of the Standard Specifications and as specified herein.

Driveway material type may include, but is not limited to, aggregate of various gradation, portland cement concrete and hot-mix asphalt pavements. The Contractor shall form a perpendicularly straight joint by full-depth machine sawing at the proposed limit of improvements to prevent surface spalling. The Contractor shall immediately replace, at no additional cost to the Village, any driveway pavement, outside of the limit of improvements or adjacent panels, damaged by the Contractor's operations due to neglect, misconduct or poor workmanship.

The limit of improvements for portland cement concrete driveway pavement shall follow an existing perpendicular joint pattern or as determined by the Engineer.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for DRIVEWAY PAVEMENT REMOVAL (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

9. Pipe Underdrains

This work shall include all labor, material, and equipment necessary to furnish and install pipe underdrains in accordance with Section 601 of the Standard Specifications and as specified herein.

Pipe underdrains shall be installed approximately 12" in front of the curb per the detail shown on the Engineering plan from each storm sewer structure for fifty (50) feet in each parallel direction. Pipe bends and fittings shall be required for radii $\leq 50'$.

The aggregate backfill material and fabric sock, as specified in the Engineering plans and as specified herein, shall be included in the cost of this pay item, regardless of the depth of pipe underdrain. When connecting a proposed underdrain to an existing storm sewer structure, a

new hole shall be machine cored with a maximum six (6) inch diameter, circular hole. Cutting a new pipe opening by any other method shall not be permitted.

The pipe material used for this item shall be exclusively perforated PVC SDR 26, of the diameter specified, conforming to ASTM D-3034 pipe standards with rubber gasket joints conforming to ASTM D-3212.

This work will be measured in place and paid for at the contract unit price per foot (FT) for PIPE UNDERDRAINS, of the size specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

10. Combination Concrete Curb and Gutter

This work shall include all labor, material, and equipment necessary to construct concrete curb, and combination concrete curb and gutter, of the type specified, as marked by the Engineer in accordance with Section 606 of the Standard Specifications and as specified herein.

The Contractor shall closely match the existing concrete curb and gutter style type of the adjacent existing curb and gutter. This work shall include the installation of two #4 continuous reinforcing bars as shown on the Engineering plans along the full length of the new curb and gutter. At points where the proposed concrete curb and gutter abuts existing concrete, two #4 smooth epoxy coated dowel-bars shall be installed at 24" on center. The depth of the proposed concrete gutter shall match the existing adjacent depth, but not less than nine (9) inches.

The material used for this item shall be exclusively portland cement concrete in accordance with Section 1020 of the Standard Specifications and shall have polyurethane coated fiber in the mix. The fiber shall be mixed in the concrete at a rate of 1.5 lbs per cubic yard of concrete at the ready mix plant. Mixing of the concrete and fibers shall not be permitted on the project site.

This work will be measured in place and paid for at the contract unit price per foot (FT) for CONCRETE CURB, of the type specified, and, COMBINATION CONCRETE CURB AND GUTTER, of the type specified, (SPECIAL) which shall include all labor, material, and equipment required to complete the work as specified herein.

11. Drainage and Utility Structures to be Adjusted

This work shall include all labor, material, and equipment necessary to adjust existing drainage structures in accordance with Section 602 and 603 of the Standard Specifications and as specified herein.

This shall include existing drainage and utility structures which are to be adjusted to proposed grade where two (2) feet or less of masonry will be either added, removed, or rebuilt to bring the specified casting to the finished grade of the proposed improvements.

Adjustment ring material type and method shall be in accordance with Exhibit No. 109 Materials List, as specified herein. Bricks, aggregate, lathe, or any other organic material shall not be used as shim materials or otherwise.

This work will be measured in place and paid for at the contract unit price per each (EA) for DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

12. Sanitary Manholes to be Adjusted

This work shall include all labor, material, and equipment necessary to adjust existing sanitary manholes in accordance with Section 602 and 603 of the Standard Specifications and as specified herein.

This shall include existing manholes which are to be adjusted to proposed grade where more than two (2) feet or less of masonry will be either added, removed, or rebuilt to bring the specified casting to the finished grade of the proposed improvements.

Adjustment ring material type and method shall be in accordance with Exhibit No. 109 Materials List, as specified herein. Bricks, aggregate, lathe, or any other organic material shall not be used as shim materials or otherwise. An external chimney seal shall be furnished in accordance with ASTM C-923 and installed according to the manufacturer's recommendation.

New frames and lids shall be furnished in accordance with Exhibit No. 109 Materials List, as specified herein. The lid shall be cast iron with the word 'Sanitary' imprinted and embossed with 'Village of Buffalo Grove, and have concealed pick holes and watertight gaskets installed in accordance with Section 604 of the Standard Specifications.

The existing frame and lid shall be salvaged and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for SANITARY MANHOLES TO BE ADJUSTED (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

13. Traffic Control and Protection (Special)

Traffic Control shall be according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

Delays to the Contractor caused by complying with these requirements will be considered included in the cost of the contract, and no additional compensation will be allowed.

Standards

701001, 701006, 701011, 701301, 701501, 701801 and 701901

Details

TC-10 Traffic Control and Protection for Side Roads, Intersections and Driveways

TC-13 District One Typical Pavement Markings

TC-22 Arterial Road Information Sign

Special Provisions

Maintenance of Roadways and Erosion Control

Construction Staging and Maintenance of Base Course

Protection of Mailboxes

Traffic Control Plan

LRS 3 – Work Zone Traffic Control Surveillance

LRS 4 – Flaggers in Work Zones

BDE – Vehicle and Equipment Warning Lights

BDE – Work Zone Traffic Control Devices

No roads or segments shall be closed without prior written approval from the Village and Engineer. The Contractor must present to the Engineer, a detour plan with a detailed description addressing how resident access will be maintained and all applicable signage. Submittal of a road closure request to the Engineer does not guarantee approval. Any additional traffic control devices required for road closures per the Contractor's request shall not be paid for separately but shall be included in the cost of the contract.

The Contractor shall be properly advised of the regulated weight limits within the surrounding areas of the project. No additional compensation in time or monetary value will be allowed. The Village of Buffalo Grove Police Department requires permits for Overweight/Over-Sized Trucks or Vehicles. The Contractor can find additional information at www.vbg.org/645/Truck-Enforcement or by calling (847) 459-2560.

Temporary "No Parking" signs must be approved by the Engineer prior to installation and the Village must be notified for each individual use or occurrence. The temporary signs must be POSTED AND DATED at least 24 hours before the intended date of use and shall be a minimum size of 8.5"x11", with a contrasting background and be lathe or post mounted. Any signage that is posted without the Engineer's approval will be assessed a monetary penalty of \$500 per day until removed. **The Contractor shall not tow or move any vehicles.**

This work will be measured in place and paid for at the contract unit price per lump sum (LS) for TRAFFIC CONTROL AND PROTECTION, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

IDOT District One - Special Provisions

1. Adjustments and Reconstructions (D-1)

Effective: March 15, 2011

Revise the first paragraph of Article 602.04 to read:

“602.04 Concrete. Cast-in-place concrete for structures shall be constructed of Class SI concrete according to the applicable portions of Section 503. Cast-in-place concrete for pavement patching around adjustments and reconstructions shall be constructed of Class PP-1 concrete, unless otherwise noted in the plans, according to the applicable portions of Section 1020.”

Revise the third, fourth and fifth sentences of the second paragraph of Article 602.11(c) to read:

“Castings shall be set to the finished pavement elevation so that no subsequent adjustment will be necessary, and the space around the casting shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b.”

Revise Article 603.05 to read:

“603.05 Replacement of Existing Flexible Pavement. After the castings have been adjusted, the surrounding space shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b.”

Revise Article 603.06 to read:

“603.06 Replacement of Existing Rigid Pavement. After the castings have been adjusted, the pavement and HMA that was removed, shall be replaced with Class PP-1 concrete, unless otherwise noted in the plans, not less than 9 in. (225 mm) thick. The pavement may be opened to traffic according to Article 701.17(e)(3)b.

The surface of the Class PP concrete shall be constructed flush with the adjacent surface.”

Revise the first sentence of Article 603.07 to read:

“603.07 Protection Under Traffic. After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.”

2. Construction Layout Special for Resurfacing With ADA and Stand Alone ADA (D1)

Effective: January 1, 2017

Revised: April 17, 2017

Description. This work shall consist of furnishing and placing construction layout stakes for the construction of ADA Ramps shown in the plans. The Contractor shall furnish and place stakes marking the locations and elevations of points indicated in the plans for ADA Ramp Construction.

The Contractor shall locate all reference points as shown on the plans and listed herein. Any additional control points required will be identified in the field by the Contractor and all field notes will be kept in the office of the Resident Engineer.

The Contractor shall provide field forces, equipment, and material to set all additional stakes for this project, which are needed to establish offset stakes, reference points, and any other horizontal and vertical controls necessary to secure a correct layout for the work.

Layout stakes shall be set to assure conformance to the ADA Ramp design shown on the plans and shall meet the approval of the Engineer.

The Contractor shall be responsible for having the finished work conform to the lines, grades, elevations, and dimensions called for in the plans. Any inspection or checking of the Contractor's layout by the Engineer and the acceptance of all or any part of it shall not relieve the Contractor of his/her responsibility to secure the proper dimensions, grades, and elevations of the work. The Contractor shall exercise care in the preservation of stakes and bench marks and shall have them reset when any are damaged, lost, displaced, removed or otherwise obliterated.

Responsibility of the Department.

The Department will make random checks of the Contractor's staking to determine if the work is in conformance with the plans. When the Contractor's work will tie into work that is being or will be done by others, checks will be made to determine if the work is in conformance with the proposed overall grade and horizontal alignment.

Where the Contractor, in setting construction stakes, discovers discrepancies, the Department will check to determine their nature and make whatever revisions are necessary to the plans. Any additional restaking required by the Engineer will be the responsibility of the Contractor. The additional restaking done by the Contractor will be paid for according to Article 109.04 of the Standard Specifications.

The Department will be responsible for the accuracy of the initial reference points shown in the plans.

It is not the responsibility of the Department, except as provided herein, to check the correctness of the Contractor's stakes. Any apparent errors will be immediately called to the Contractor's attention and the Contractor will be required to make the necessary correction before the stakes are used for construction purposes. The Contractor shall provide the Engineer a copy of any field notes and layout diagrams produced during the course of the project.

Responsibility of the Contractor.

The Contractor shall establish from the given survey points and contract plan information, all the control points or reference points necessary to layout the ADA Ramp elements. The Contractor shall furnish and place the layout stakes. The Contractor shall notify the Engineer when the stakes are complete and available for review and approval by the Engineer at least 3 working days in advance of the actual construction.

Field notes shall be kept in standard survey field notebooks and those books shall become the property of the Department at the completion of the project. All notes shall be neat, orderly, and in accepted form.

Measurement and Payment. This work will be paid for at the contract lump sum price for CONSTRUCTION LAYOUT (SPECIAL).

3. Friction Aggregate (D-1)

Effective: January 1, 2011

Revised: December 1, 2021

Revise Article 1004.03(a) of the Standard Specifications to read:

"1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA). The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete

Use	Mixture	Aggregates Allowed	
HMA Low ESAL	Stabilized Subbase or Shoulders	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{1/} Crushed Concrete	
HMA High ESAL Low ESAL	Binder IL-19.0 or IL-19.0L SMA Binder	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crushed Gravel Carbonate Crushed Stone ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete ^{3/}	
HMA High ESAL Low ESAL	C Surface and Binder IL-9.5 IL-9.5FG or IL-9.5L	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/} Crushed Concrete ^{3/}	
HMA High ESAL	D Surface and Binder IL-9.5 or IL-9.5FG	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone (other than Limestone) ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/}	
		<u>Other Combinations Allowed:</u>	
		<i>Up to...</i>	<i>With...</i>
		25% Limestone	Dolomite
		50% Limestone	Any Mixture D aggregate other than Dolomite
		75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone
HMA High ESAL	E Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	
		<u>Other Combinations Allowed:</u>	
		<i>Up to...</i>	<i>With...</i>
		50% Dolomite ^{2/}	Any Mixture E aggregate

Use	Mixture	Aggregates Allowed	
		75% Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone
		75% Crushed Gravel ^{2/}	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag
HMA High ESAL	F Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> ^{5/ 6/} :	
		Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	
		<u>Other Combinations Allowed:</u>	
		<u>Up to...</u>	<u>With...</u>
		50% Crushed Gravel ^{2/} or Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone

1/ Crushed steel slag allowed in shoulder surface only.

2/ Carbonate crushed stone (limestone) and/or crushed gravel shall not be used in SMA Ndesign 80.

3/ Crushed concrete will not be permitted in SMA mixes.

4/ Crushed steel slag shall not be used as binder.

5/ When combinations of aggregates are used, the blend percent measurements shall be by volume."

Combining different types of aggregate will not be permitted in SMA Ndesign 80."

4. Ground Tire Rubber (GTR) Modified Asphalt Binder (D-1)

Effective: June 26, 2006

Revised: December 1, 2021

Add the following to the end of article 1032.05 of the Standard Specifications:

"(c) Ground Tire Rubber (GTR) Modified Asphalt Binder. A quantity of 10.0 to 14.0 percent GTR (Note 1) shall be blended by dry unit weight with a PG 64-28 to make a GTR 70-28 or a PG 58-28 to make a GTR 64-28. The base PG 64-28 and PG 58-28 asphalt binders shall meet the requirements of Article 1032.05(a). Compatible polymers may be added during production. The GTR modified asphalt binder shall meet the requirements of the following table.

Test	Asphalt Grade GTR 70-28	Asphalt Grade GTR 64-28
Flash Point (C.O.C.), AASHTO T 48, °F (°C), min.	450 (232)	450 (232)
Rotational Viscosity, AASHTO T 316 @ 275 °F (135 °C), Poises, Pa·s, max.	30 (3)	30 (3)
Softening Point, AASHTO T 53, °F (°C), min.	135 (57)	130 (54)

Elastic Recovery, ASTM D 6084, Procedure A (sieve waived) @ 77 °F, (25 °C), aged, ss, 100 mm elongation, 5 cm/min., cut immediately, %, min.	65	65
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Note 1. GTR shall be produced from processing automobile and/or light truck tires by the ambient grinding method. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall contain no free metal particles or other materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce sticking and caking of the GTR particles. When tested in accordance with Illinois modified AASHTO T 27, a 50 g sample of the GTR shall conform to the following gradation requirements:

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100
No. 30 (600 μ m)	95 $\pm$ 5
No. 50 (300 μ m)	> 20

Add the following to the end of Note 1. of article 1030.03 of the Standard Specifications:

“A dedicated storage tank for the Ground Tire Rubber (GTR) modified asphalt binder shall be provided. This tank must be capable of providing continuous mechanical mixing throughout by continuous agitation and recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of $\pm$ 0.40 percent.”

5. Hot-Mix Asphalt (D-1)

Effective: January 1, 2022

Revised: August 1, 2022

Replace Article 1030.09(g)(1) of the Standard Specifications with the following:

“(1) The Contractor shall sample approximately 150 lb (70 kg) of mix as required for the Department’s random mixture verification tests according to Article 1030.09(h)(1).”

Replace the second sentence of Article 1030.09(h)(1) of the Standard Specifications with the following:

“The Engineer will randomly identify one sample for each 3,000 tons (2,720 metric tons) of mix, with a minimum of one sample per mix. If the remaining mix quantity is 600 tons (544 metric tons) or less, the quantity will be combined with the previous 3,000 tons (2,720 metric tons) in the Engineer’s random sample identification. If the required tonnage of a mixture for a single pay item is less than 250 tons (225 metric tons) in total, the Engineer will waive mixture verification tests.”

Add the following to the end of the third paragraph of Article 1030.09(h)(2) of the Standard Specifications:

“The HMA maximum theoretical specific gravity (G_{mm}) will be based on the Department mixture verification test. If there is more than one Department mixture verification G_{mm} test, the G_{mm} will be based on the average of the Department test results.”

6. Hot-Mix Asphalt Binder and Surface Course (D-1)

Effective: November 1, 2019

Revised: December 1, 2021

Revise Article 1004.03(c) to read:

“(c) Gradation. The coarse aggregate gradations shall be as listed in the following table.

Use	Size/Application	Gradation No.
Class A-1, A-2, & A-3	3/8 in. (10 mm) Seal	CA 16 or CA 20
Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & A-3	Cover Coat	CA 14
HMA High ESAL	IL-19.0; Stabilized Subbase IL-19.0	CA 11 ^{1/}
	SMA 12.5 ^{2/}	CA 13 ^{4/} , CA 14, or CA 16
	SMA 9.5 ^{2/}	CA 13 ^{3/4/} or CA 16 ^{3/}
	IL-9.5	CA 16, CM 13 ^{4/}
	IL-9.5FG	CA 16
HMA Low ESAL	IL-19.0L	CA 11 ^{1/}
	IL-9.5L	CA 16

- 1/ CA 16 or CA 13 may be blended with the CA 11.
- 2/ The coarse aggregates used shall be capable of being combined with the fine aggregates and mineral filler to meet the approved mix design and the mix requirements noted herein.
- 3/ The specified coarse aggregate gradations may be blended.
- 4/ CA 13 shall be 100 percent passing the 1/2 in. (12.5mm) sieve.”

Revise Article 1004.03(e) of the Supplemental Specifications to read:

“(e) Absorption. For SMA the coarse aggregate shall also have water absorption
≤ 2.0 percent.”

Revise the “High ESAL” portion of the table in Article 1030.01 to read:

“High ESAL	Binder Courses	IL-19.0, IL-9.5, IL-9.5FG, IL-4.75, SMA 12.5, Stabilized Subbase IL-19.0
	Surface Courses	IL-9.5, IL-9.5FG, SMA 12.5, SMA 9.5”

Revise Note 2. and add Note 6 to Article 1030.02 of the Standard Specifications to read:

“Item	Article/Section
(g) Performance Graded Asphalt Binder (Note 6)	1032
(h) Fibers (Note 2)	

Note 2. A stabilizing additive such as cellulose or mineral fiber shall be added to the SMA mixture according to Illinois Modified AASHTO M 325. The stabilizing additive shall meet the Fiber Quality Requirements listed in Illinois Modified AASHTO M 325. Prior to approval and use of fibers, the Contractor shall submit a notarized certification by the producer of these materials stating they meet these requirements. Reclaimed Asphalt Shingles (RAS) may be used in Stone Matrix Asphalt (SMA) mixtures designed with an SBA polymer modifier as a fiber additive if the mix design with RAS included meets AASHTO T305 requirements. The RAS shall be from a certified source that produces either Type I or Type 2. Material shall meet requirements noted herein and the actual dosage rate will be determined by the Engineer.

Note 6. The asphalt binder shall be an SBS PG 76-28 when the SMA is used on a full-depth asphalt pavement and SBS PG 76-22 when used as an overlay, except where modified herein. The asphalt binder shall be a SBS PG 76-22 for IL-4.75, except where modified herein..”

Revise table in Article 1030.05(a) of the Standard Specifications to read:

"MIXTURE COMPOSITION (% PASSING)" ^{1/}												
Sieve Size	IL-19.0 mm		SMA 12.5		SMA 9.5		IL-9.5mm		IL-9.5FG		IL-4.75 mm	
	min	max	min	max	min	max	min	max	min	max	min	max
1 1/2 in. (37.5 mm)												
1 in. (25 mm)		100										
3/4 in. (19 mm)	90	100		100								
1/2 in. (12.5 mm)	75	89	80	100		100		100		100		100
3/8 in. (9.5 mm)				65	90	100	90	100	90	100		100
#4 (4.75 mm)	40	60	20	30	36	50	34	69	60	75 ^{6/}	90	100
#8 (2.36 mm)	20	42	16	24 ^{4/}	16	32 ^{4/}	34 ^{5/}	52 ^{2/}	45	60 ^{6/}	70	90
#16 (1.18 mm)	15	30					10	32	25	40	50	65
#30 (600 µm)			12	16	12	18			15	30		
#50 (300 µm)	6	15					4	15	8	15	15	30
#100 (150 µm)	4	9					3	10	6	10	10	18
#200 (75 µm)	3.0	6.0	7.0	9.0 ^{3/}	7.5	9.5 ^{3/}	4.0	6.0	4.0	6.5	7.0	9.0 ^{3/}
#635 (20 µm)			≤ 3.0		≤ 3.0							
Ratio Dust/Asphalt Binder		1.0		1.5		1.5		1.0		1.0		1.0

1/ Based on percent of total aggregate weight.

2/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with Ndesign = 90.

3/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer.

4/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above the percentage stated on the table.

5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted below 34 percent.

6/ When the mixture is used as a binder, the maximum shall be increased by 0.5 percent passing."

Revise Article 1030.05(b) of the Standard Specifications to read:

(b) Volumetric Requirements. The target value for the air voids of the HMA shall be 4.0 percent, for IL-4.75 and SMA mixtures it shall be 3.5 percent and for Stabilized Subbase it shall be 3.0 percent at the design number of gyrations. The voids in the mineral aggregate (VMA) and

voids filled with asphalt binder (VFA) of the HMA design shall be based on the nominal maximum size of the aggregate in the mix and shall conform to the following requirements.

Mix Design	Voids in the Mineral Aggregate (VMA), % Minimum for Ndesign				
	30	50	70	80	90
IL-19.0		13.5	13.5		13.5
IL-9.5		15.0	15.0		
IL-9.5FG		15.0	15.0		
IL-4.75 ^{1/}		18.5			
SMA-12.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
SMA-9.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
IL-19.0L	13.5				
IL-9.5L	15.0				

- 1/ Maximum draindown shall be 0.3 percent according to Illinois Modified AASHTO T 305.
- 2/ The draindown shall be determined at the JMF asphalt binder content at the mixing temperature plus 30°F.
- 3/ Applies when specific gravity of coarse aggregate is ≥ 2.760 .
- 4/ Applies when specific gravity of coarse aggregate is < 2.760 .
- 5/ For surface course, the coarse aggregate can be crushed steel slag, crystalline crushed stone or crushed sandstone. For binder course, coarse aggregate shall be crushed stone (dolomite), crushed gravel, crystalline crushed stone, or crushed sandstone"

Revise the last paragraph of Article 1102.01 (a) (5) of the Standard Specifications to read:

"IL-4.75 and Stone Matrix Asphalt (SMA) mixtures which contain aggregate having absorptions greater than or equal to 2.0 percent, or which contain steel slag sand, shall have minimum surge bin storage plus haul time of 1.5 hours."

Add after third sentence of Article 1030.09(b) to read:

" If the Contractor and Engineer agree the nuclear density test method is not appropriate for the mixture, cores shall be taken at random locations determined according to the QC/QA document "Determination of Random Density Test Site Locations". Core densities shall be determined using the Illinois Modified AASHTO T 166 or T 275 procedure."

Revise Table 1 and Note 4/ of Table 1 in Article 406.07(a) of the Standard Specifications to read:

	Breakdown/Intermediate Roller (one of the following)	Final Roller (one or more of the following)	Density Requirement
IL-9.5, IL-9.5FG, IL-19.0 ^{1/}	V _D , P, T _B , 3W, O _T , O _B	V _S , T _B , T _F , O _T	As specified in Section 1030
IL-4.75 and SMA ^{3/ 4/}	T _B , 3W, O _T	T _F , 3W	As specified in Section 1030
Mixtures on Bridge Decks ^{2/}	T _B	T _F	As specified in Articles 582.05 and 582.06.

"4/ The Contractor shall provide a minimum of two steel-wheeled tandem rollers (T_B), and/or three-wheel (3W) rollers for breakdown, except one of the (T_B) or (3W) rollers shall be 84 inches (2.14 m) wide and a weight of 315 pound per linear inch (PLI) (5.63 kg/mm) and one of the (T_B) or (3W) rollers can be substituted for an oscillatory roller (O_T). T_F rollers shall be a minimum of 280 lb/in. (50 N/mm). The 3W and T_B

rollers shall be operated at a uniform speed not to exceed 3 mph (5 km/h), with the drive roll for T_B rollers nearest the paver and maintain an effective rolling distance of not more than 150 ft (45 m) behind the paver.”

Add the following after the fourth paragraph of Article 406.13 (b):

“The plan quantities of SMA mixtures shall be adjusted using the actual approved binder and surface Mix Design’s G_{mb}.”

Revise first paragraph of Article 1030.10 of the Standard Specifications to read:

“A test strip of 300 ton (275 metric tons), except for SMA mixtures it will be 400 ton (363 metric ton), will be required for each mixture on each contract at the beginning of HMA production for each construction year according to the Manual of Test Procedures for Materials “Hot Mix Asphalt Test Strip Procedures”. At the request of the Producer, the Engineer may waive the test strip if previous construction during the current construction year has demonstrated the constructability of the mix using Department test results.”

Revise third paragraph of Article 1030.10 of the Standard Specifications to read:

“When a test strip is constructed, the Contractor shall collect and split the mixture according to the document “Hot-Mix Asphalt Test Strip Procedures”. The Engineer, or a representative, shall deliver split sample to the District Laboratory for verification testing. The Contractor shall complete mixture tests stated in Article 1030.09(a). Mixture sampled shall include enough material for the Department to conduct mixture tests detailed in Article 1030.09(a) and in the document “Hot-Mix Asphalt Mixture Design Verification Procedure” Section 3.3. The mixture test results shall meet the requirements of Articles 1030.05(b) and 1030.05(d), except Hamburg wheel tests will only be conducted on High ESAL mixtures during production.”

7. Hot-Mix Asphalt – Mixture Design Verification and Production (D-1)

Effective: January 1, 2019

Revised: December 1, 2021

Add to Article 1030.05 (d)(3) of the Standard Specifications to read:

“ During mixture design, prepared samples shall be submitted to the District laboratory by the Contractor for verification testing. The required testing, and number and size of prepared samples submitted, shall be according to the following tables.

High ESAL – Required Samples for Verification Testing	
Mixture	Hamburg Wheel and I-FIT Testing ^{1/2/}
Binder	total of 3 - 160 mm tall bricks
Surface	total of 4 - 160 mm tall bricks

Low ESAL – Required Samples for Verification Testing	
Mixture	I-FIT Testing ^{1/2/}
Binder	1 - 160 mm tall brick
Surface	2 - 160 mm tall bricks

1/ The compacted gyratory bricks for Hamburg wheel and I-FIT testing shall be 7.5 ± 0.5 percent air voids.

2/ If the Contractor does not possess the equipment to prepare the 160 mm tall brick(s), twice as many 115 mm tall compacted gyratory bricks will be acceptable.

Revise the fourth paragraph of Article 1030.10 of the Standard Specifications to read:

"When a test strip is not required, each HMA mixture shall still be sampled on the first day of production: I-FIT and Hamburg wheel testing for High ESAL; I-FIT testing for Low ESAL. Within two working days after sampling the mixture, the Contractor shall deliver gyratory cylinders to the District laboratory for Department verification testing. The High ESAL mixture test results shall meet the requirements of Articles 1030.05(d)(3) and 1030.05(d)(4). The Low ESAL mixture test results shall meet the requirements of Article 1030.05(d)(4). The required number and size of prepared samples submitted for the Hamburg wheel and I-FIT testing shall be according to the "High ESAL - Required Samples for Verification Testing" table in Article 1030.05(d)(3) above."

Add the following to the end of Article 1030.10 of the Standard Specifications to read:

"Mixture sampled during first day of production shall include approximately 60 lb (27 kg) of additional material for the Department to conduct Hamburg wheel testing and approximately 80 lb (36 kg) of additional material for the Department to conduct I-FIT testing. Within two working days after sampling, the Contractor shall deliver prepared samples to the District laboratory for verification testing. The required number and size of prepared samples submitted for the Hamburg wheel and I-FIT testing shall be according to the "High ESAL - Required Samples for Verification Testing" table in Article 1030.05(d)(3) above."

8. Temporary Information Signing

Effective: November 13, 1996

Revised: January 29, 2020

Description.

This work shall consist of furnishing, installing, maintaining, relocating for various states of construction and eventually removing temporary informational signs. Included in this item may be ground mount signs, skid mount signs, truss mount signs, bridge mount signs, and overlay sign panels which cover portions of existing signs.

Materials.

Materials shall be according to the following Articles of Section 1000 - Materials:

	<u>Item</u>	<u>Article/Section</u>
a.)	Sign Base (Note 1)	1090
b.)	Sign Face (Note 2)	1091
c.)	Sign Legends	1091
d.)	Sign Supports	1093
e.)	Overlay Panels (Note 3)	1090.02

Note 1. The Contractor may use 5/8 inch (16 mm) instead of 3/4 inch (19 mm) thick plywood.

Note 2. The sign face material shall be in accordance with the Department's Fabrication of Highway Signs Policy.

Note 3. The overlay panels shall be 0.08 inch (2 mm) thick.

GENERAL CONSTRUCTION REQUIREMENTS

Installation.

The sign sizes and legend sizes shall be verified by the Contractor prior to fabrication.

Signs which are placed along the roadway and/or within the construction zone shall be installed according to the requirements of Article 701.14 and Article 720.04. The signs shall be 7 ft (2.1 m) above the near edge of the pavement and shall be a minimum of 2 ft (600 mm) beyond the edge of the paved shoulder. A minimum of two (2) posts shall be used.

The attachment of temporary signs to existing bridges, sign structures or sign panels shall be approved by the Engineer. Any damage to the existing signs and/or structures due to the Contractor's operations shall be repaired or signs replaced, as determined by the Engineer, at the Contractor's expense.

Method of Measurement.

This work shall be measured for payment in square feet (square meters) edge to edge (horizontally and vertically).

All hardware, posts or skids, supports, bases for ground mounted signs, connections, which are required for mounting these signs will be included as part of this pay item.

Basis Of Payment.

This work shall be paid for at the contract unit price per square foot (square meter) for TEMPORARY INFORMATION SIGNING.

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets
SPECIAL PROVISION
FOR
LOCAL QUALITY ASSURANCE/ QUALITY MANAGEMENT QC/QA
Effective: January 1, 2022

Replace the first five paragraphs of Article 1030.06 of the Standard Specifications with the following:

“1030.06 Quality Management Program. The Quality Management Program (QMP) will be Quality Control / Quality Assurance (QC/QA) according to the following.”

Delete Article 1030.06(d)(1) of the Standard Specifications.

Revise Article 1030.09(g)(3) of the Standard Specifications to read:

“(3) If core testing is the density verification method, the Contractor shall provide personnel and equipment to collect density verification cores for the Engineer. Core locations will be determined by the Engineer following the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations” at density verification intervals defined in Article 1030.09(b). After the Engineer identifies a density verification location and prior to opening to traffic, the Contractor shall cut a 4 in. (100 mm) diameter core. With the approval of the Engineer, the cores may be cut at a later time.”

Revise Article 1030.09(h)(2) of the Standard Specifications to read:

“(2) After final rolling and prior to paving subsequent lifts, the Engineer will identify the random density verification test locations. Cores or nuclear density gauge testing will be used for density verification. The method used for density verification will be as selected below.

Density Verification Method	
☐	Cores
☒	Nuclear Density Gauge (Correlated when paving ≥ 3,000 tons per mixture)

Density verification test locations will be determined according to the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations”. The density testing interval for paving wider than or equal to 3 ft (1 m) will be 0.5 miles (800 m) for lift thicknesses of 3 in. (75 mm) or less and 0.2 miles (320 m) for lift thicknesses greater than 3 in. (75 mm). The density testing interval for paving less than 3 ft (1 m) wide will be 1 mile (1,600 m). If a day’s paving will be less than the prescribed density testing interval, the length of the day’s paving will be the interval for that day. The density testing interval for mixtures used for patching will be 50 patches with a minimum of one test per mixture per project.

If core testing is the density verification method, the Engineer will witness the Contractor coring, and secure and take possession of all density samples at the

density verification locations. The Engineer will test the cores collected by the Contractor for density according to Illinois Modified AASHTO T 166 or AASHTO T 275.

If nuclear density gauge testing is the density verification method, the Engineer will conduct nuclear density gauge tests. The Engineer will follow the density testing procedure detailed in the document "Illinois Modified ASTM D 2950, Standard Test Method for Density of Bituminous Concrete In-Place by Nuclear Method".

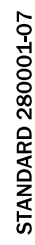
A density verification test will be the result of a single core or the average of the nuclear density tests at one location. The results of each density test must be within acceptable limits. The Engineer will promptly notify the Contractor of observed deficiencies."

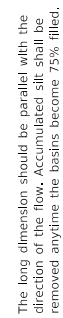
Revise the seventh paragraph and all subsequent paragraphs in Section D. of the document "Hot-Mix Asphalt QC/QA Initial Daily Plant and Random Samples" to read:

"Mixtures shall be sampled from the truck at the plant by the Contractor following the same procedure used to collect QC mixture samples (Section A). This process will be witnessed by the Engineer who will take custody of the verification sample. Each sample bag with a verification mixture sample will be secured by the Engineer using a locking ID tag. Sample boxes containing the verification mixture sample will be sealed/taped by the Engineer using a security ID label."

**APPENDIX A
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1. 280001-07 Temporary Erosion Control Systems
2. 424001-12 Perpendicular Curb Ramps For Sidewalks
3. 424006-06 Diagonal Curb Ramps For Sidewalks
4. 424011-05 Corner Parallel Curb Ramps For Sidewalks
5. 424021-07 Depressed Corner For Sidewalks
6. 442201-03 Class C and D Patches
7. 602601-06 Precast Reinforced Concrete Flat Slab Top
8. 604001-05 Frame and Lids Type 1
9. 701001-02 Off-Road Operations, 2L, 2W, More Than 15' Away
10. 701006-05 Off-Road Operations, 2L, 2W, 15' to 24" From Pavement Edge
11. 701011-04 Off-Road Moving Operations, 2L, 2W, Day Only
12. 701301-04 Lane Closure, 2L, 2W, Short Time Operations
13. 701501-06 Urban Lane Closure, 2L, 2W, Undivided
14. 701801-06 Sidewalk, Corner or Crosswalk Closure
15. 701901-10 Traffic Control Devices
16. IDOT District One Highway Standard – TC-10 Traffic Control and Protection For Side Roads, Intersections, and Driveways
17. IDOT District One Highway Standard – TC 13 District One Typical Pavement Markings
18. IDOT District One Highway Standard – TC 22 Arterial Information Signing
19. Example Pay Estimate – Clarifying Statement Letter
20. Example Weekly Update Letter
21. Example Driveway Closure Notice Letter
22. Example Letter of Credit
23. Temporary No Parking Sign Example
24. Mailbox Installation Detail
25. Exhibit No 109 Materials List
26. Pavement Core Log Report



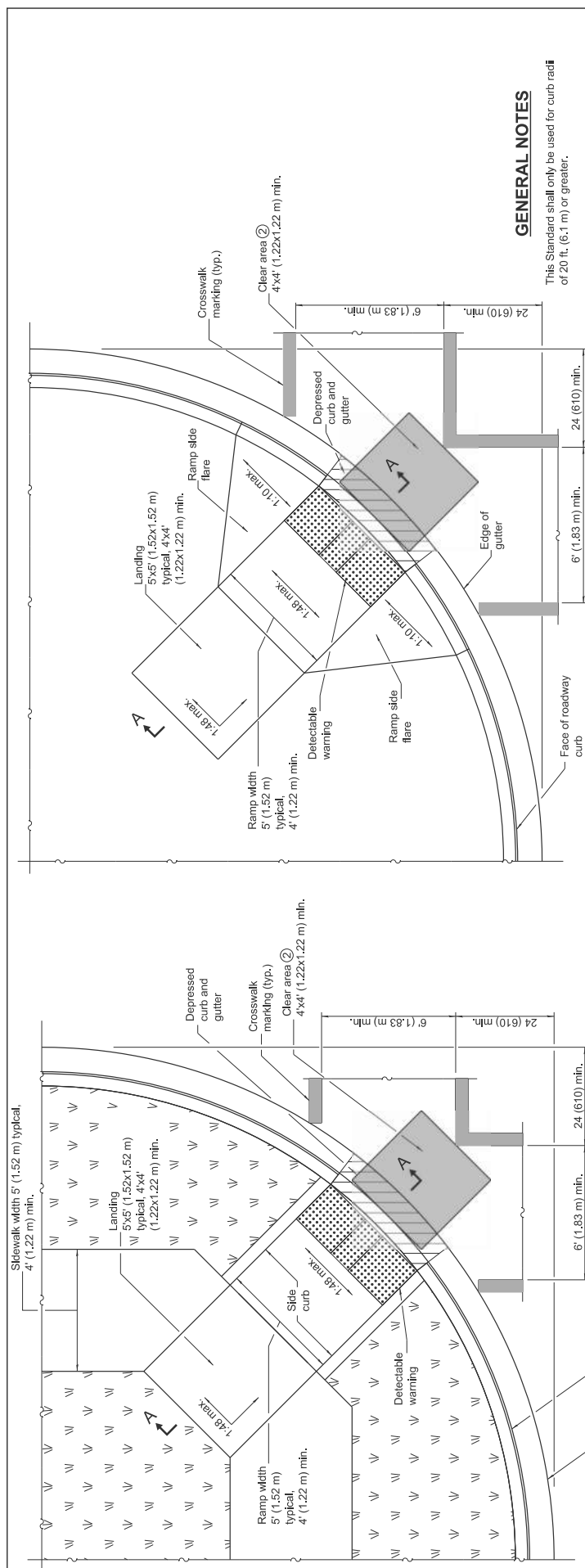


PLAN

TYPICAL FILL CROSS-SECTION

(Sheet 2 of 2)

 Illinois Department of Transportation	PASSED	January 1, 2013	ISSUED 1-1-97
			
	ENGINEER OF POLICY AND PROCEDURES		
	APPROVED	January 1, 2013	
			
ENGINEER OF DESIGN AND ENVIRONMENT			



GENERAL NOTES

This Standard shall only be used for curb radii of 20 ft. (6.1 m) or greater.

Where 1:48 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

See Standard 606001 for details of depressed curb adjacent to curb ramp.

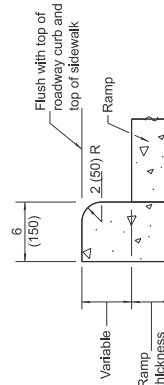
All dimensions are in inches (millimeters) unless otherwise shown.

RAMP IN PAVED AREA

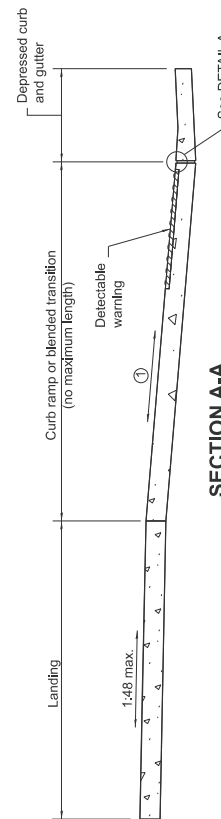
② Clear area shall be located outside the travel lane inclusive of any bicycle lanes. The running slope shall be 1:20 max and the cross slope shall be:

- Signalized/Uncontrolled Intersection - 1:20
- Yield/Stop Controlled Intersection - 1:48
- Midblock - grade of road

RAMP IN LANDSCAPED AREA

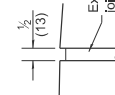


SIDE CURB DETAIL



SECTION A-A

① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.



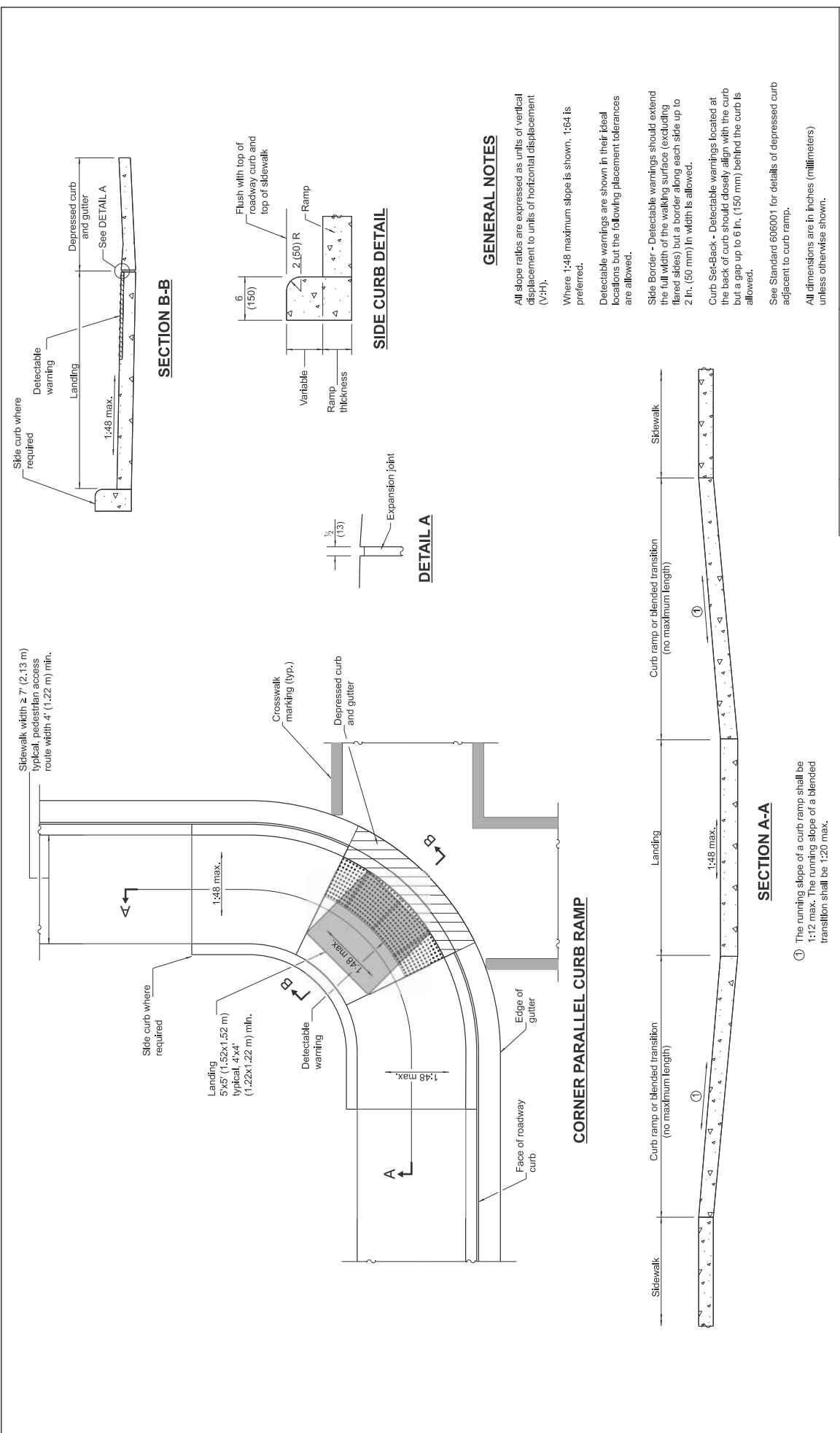
DETAIL A

DATE	REVISIONS
1-1-25	Indicated "Clear Area" location and updated cross-slopes.
1-1-21	Clarified minimum crosswalk width and locations.

DIAGONAL CURB RAMPS FOR SIDEWALKS

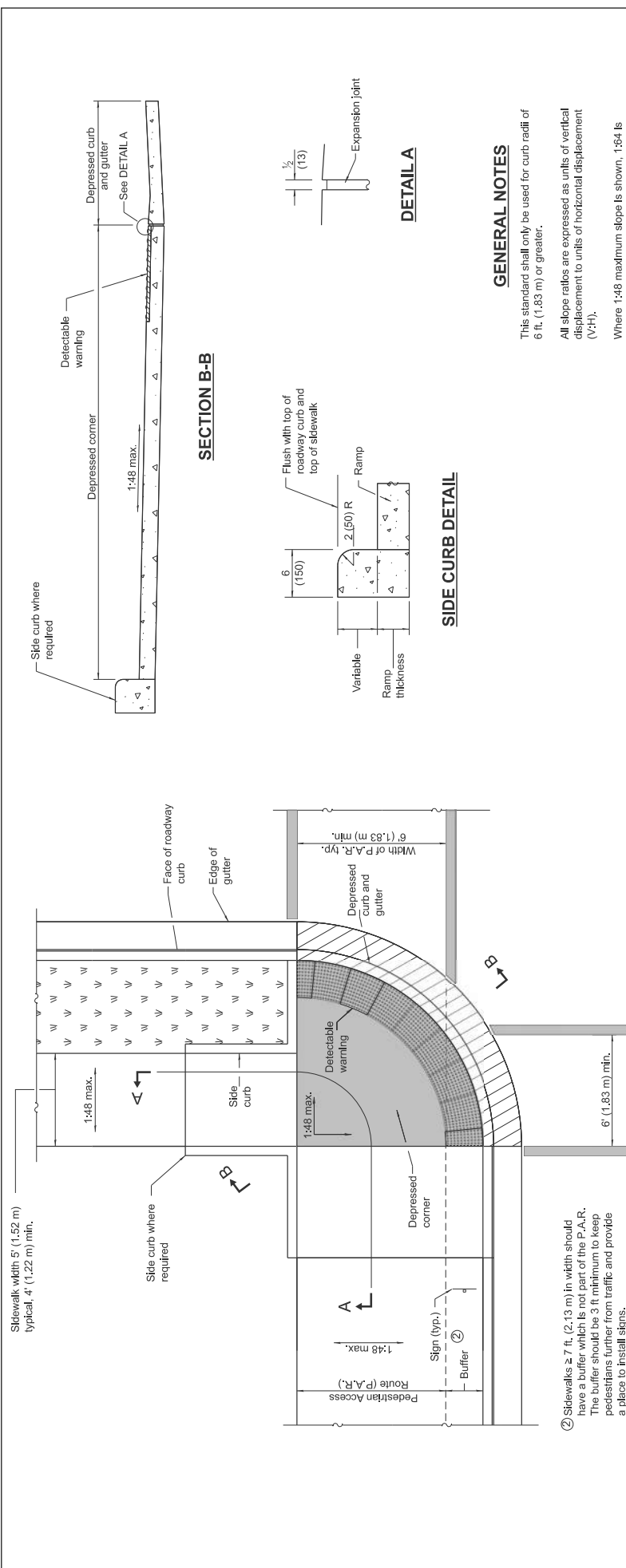
STANDARD 424006-06

APPROVED January 1, 2025 ENGINEER OF POLICY AND PROCEDURES APPROVED January 1, 2025 ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-12
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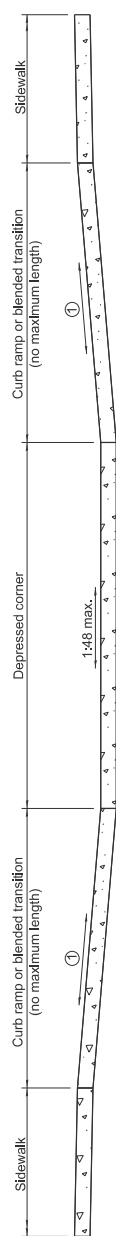
CORNER PARALLEL CURB RAMPS FOR SIDEWALKS		STANDARD 424011-05	
DATE	REVISIONS		
1-1-25	Revised turning space with landing and updated cross-slope.		
1-1-19	Removed upper landing, added blended transition and detectable warning tolerances.		

Illinois Department of Transportation APPROVED <i>Michael J. Kelly</i> January 1, 2025 ENGINEER OF POLICY AND PROCEDURES APPROVED <i>Robert J. Kelly</i> January 1, 2025 ENGINEER OF DESIGN AND ENVIRONMENT		ISSUED 1-1-12	
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② Sidewalks ≥ 7 ft. (2.13 m) in width should have a buffer which is not part of the P.A.R. The buffer should be 3 ft minimum to keep pedestrians further from traffic and provide a place to install signs.

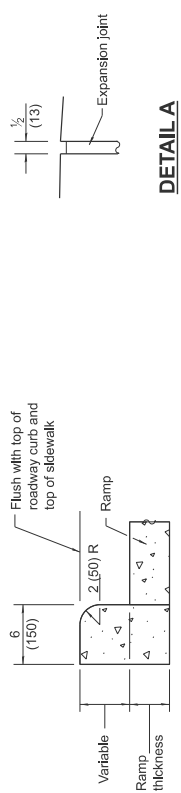
DEPRESSED CORNER



SECTION A-A

① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.

SECTION B-B



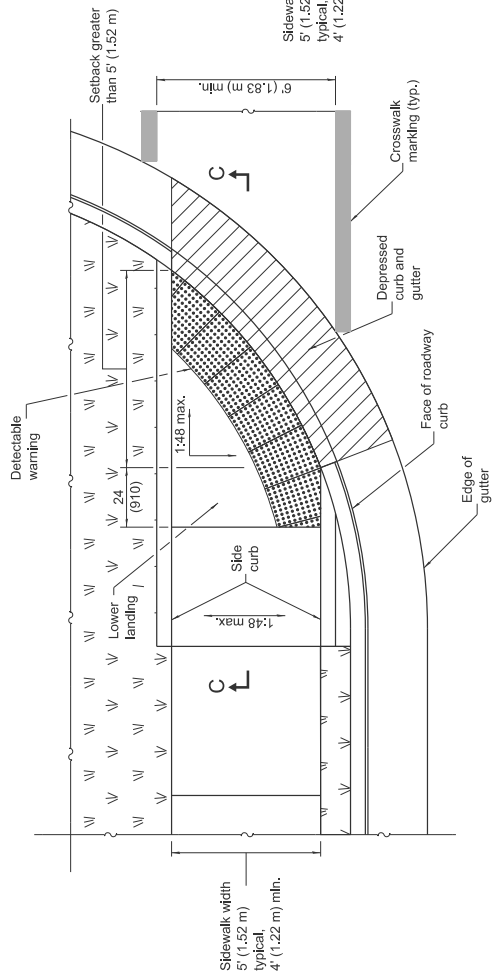
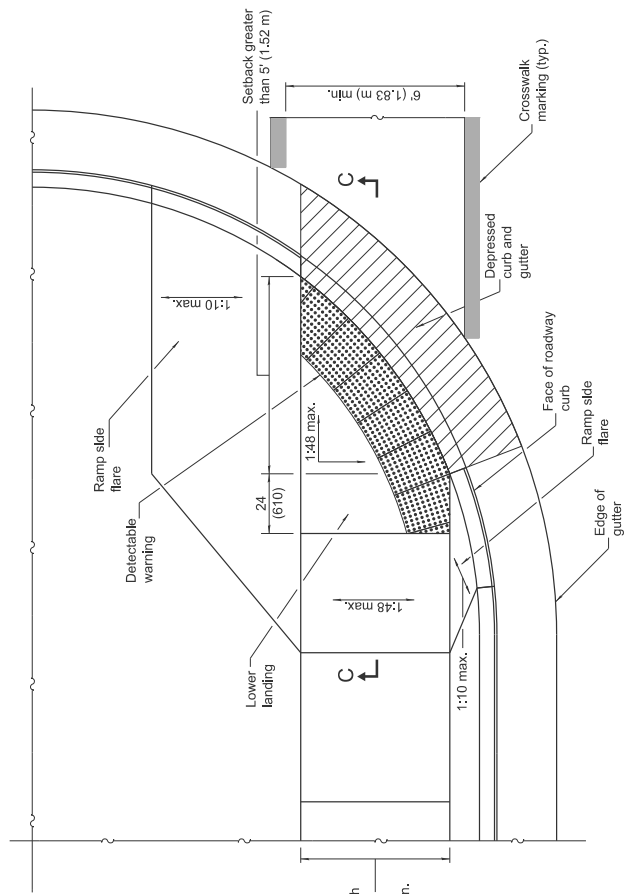
DETAIL A

SIDE CURB DETAIL

GENERAL NOTES

- This standard shall only be used for curb radii of 6 ft. (1.83 m) or greater.
- All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
- Where 1:48 maximum slope is shown, 1:84 is preferred.
- Deflectable warnings are shown in their ideal tolerances but the following placement tolerances are allowed.
- Side Border - Deflectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.
- Curb Set-Back - Deflectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.
- See Standard 606001 for details of depressed curb adjacent to curb ramp.
- All dimensions are in inches (millimeters) unless otherwise shown.

APPROVED January 1, 2025 ENGINEER OF POLICY AND PROCEDURES APPROVED January 1, 2025 ENGINEER OF DESIGN AND ENVIRONMENT		DATE 1-1-25		REVISIONS Remove min running slope from note 1 and updated cross-slope.		DEPRESSED CORNER FOR SIDEWALKS	
		DATE 1-1-21		REVISIONS Added crosswalk striping and a "buffer" for wide sidewalks.		STANDARD 424021-07	



RAMP IN LANDSCAPED AREA SETBACK > 5'

RAMP IN PAVED AREA SETBACK > 5'

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:48 maximum slope is shown, 1:54 is preferred.

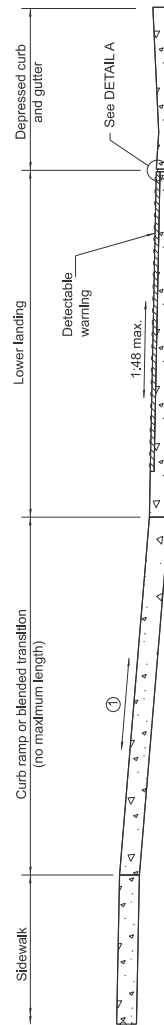
Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 ft. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.



SECTION C-C

- The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.

PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 2 of 2)

STANDARD 424001-12

Illinois Department of Transportation

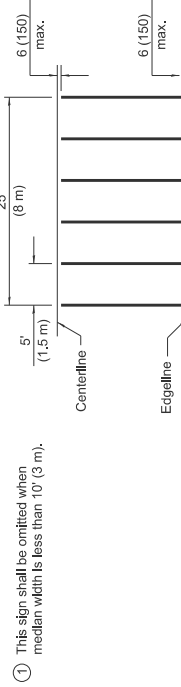
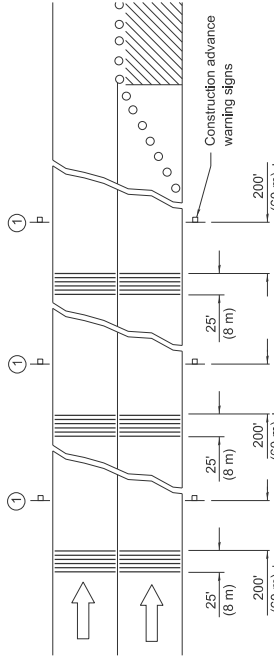
APPROVED January 1, 2025

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2025

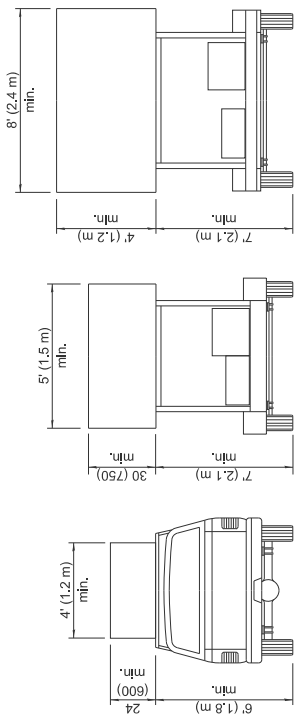
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

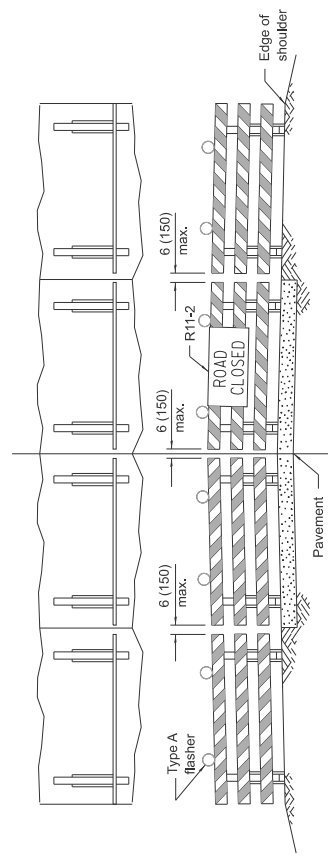


TYPICAL INSTALLATION

TEMPORARY RUMBLE STRIPS

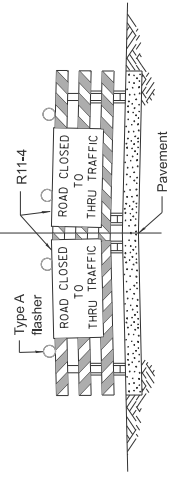


ARROW BOARDS



ROAD CLOSED TO ALL TRAFFIC

Reflectorized striping may be omitted on the back side of the barricades.



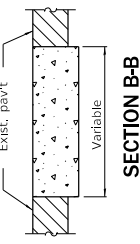
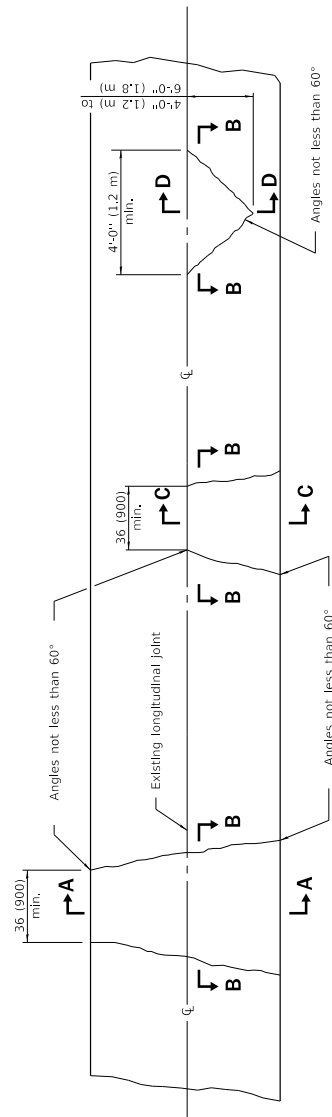
ROAD CLOSED TO THRU TRAFFIC

Reflectorized striping shall appear on both sides of the barricades.

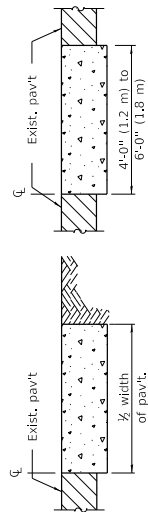
TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

If a Type III barricade with an attached sign panel which meets NCHRP 350 or MASH is not available, the sign may be mounted on an NCHRP 350 or MASH temporary sign support directly in front of the barricade.

CLASS C



SECTION B-B



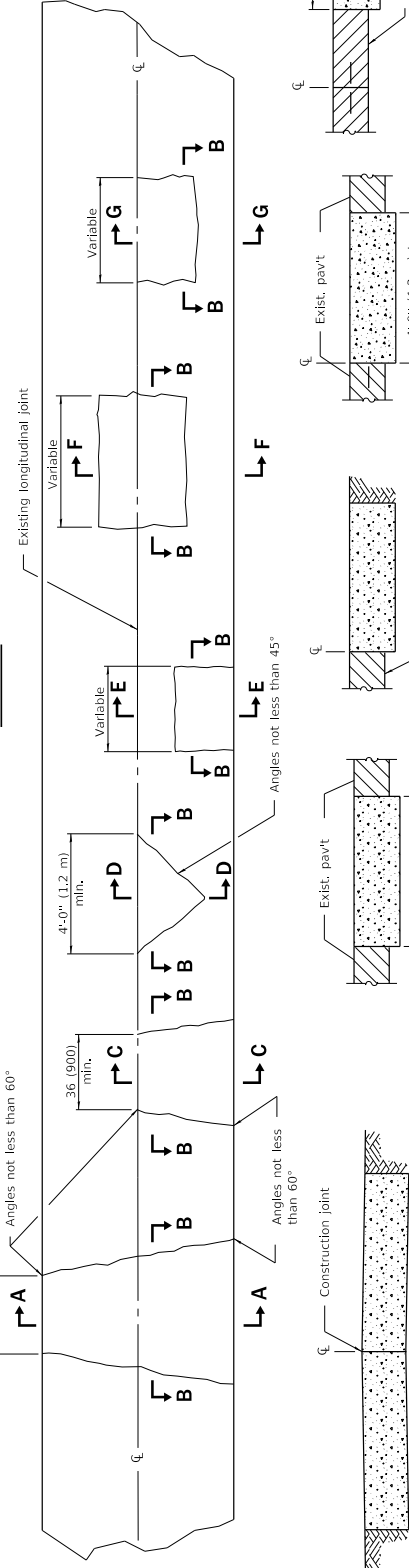
SECTION C-C

SECTION D-D

DETAIL OF SAWED CONTRACTION JOINT

Note:
Longitudinal joints shall be as detailed on Standard 420001, except tie bars are not required for patches 20'-0" (6.0 m) or less in length.

CLASS D



SECTION A-A

(Built in two operations)

SECTION B-B

SECTION C-C

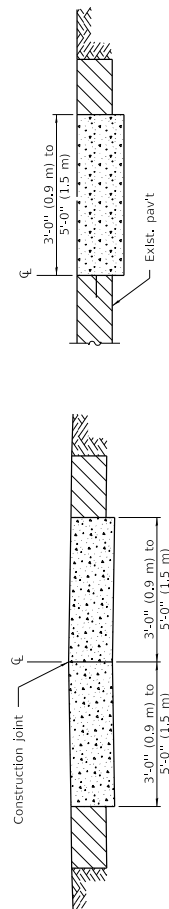
SECTION D-D

SECTION E-E

GENERAL NOTES

Existing tie bars shall be either cut or removed.
Marginal bars shall be cut.

All dimensions are in inches (millimeters) unless otherwise shown.



SECTION F-F

(Built in two operations)

SECTION G-G

CLASS C and D PATCHES

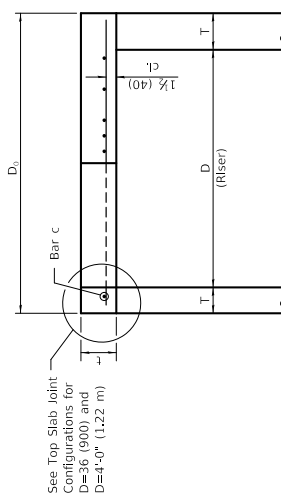
STANDARD 442201-03

DATE	REVISIONS
1-1-08	Switched units to English (metric).
1-1-07	Revised Note for Class C patches.

PASSED January 1, 2008 ENGINEER OF POLICY AND PROCEDURES APPROVED January 1, 2008 ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-07 2008 2008
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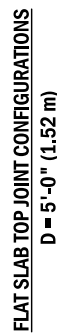


(Shown at access hole)

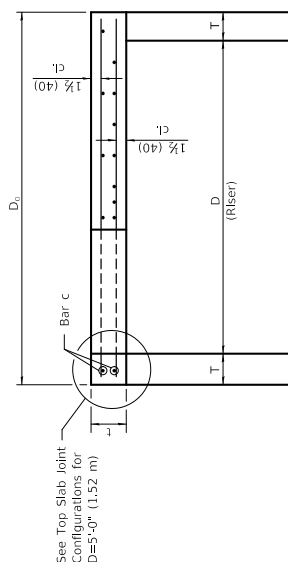


SECTION THRU FLAT SLAB TOP

FOR D = 36 (900) AND D = 4'-0" (1.22 m)



(Shown at access hole)



SECTION THRU FLAT SLAB TOP

FOR D = 5'-0" (1.52 m)

D	T	D ₀ (min.)	t
36 (900)	See applicable Standards	D + 2T	6 (150)
4'-0" (1.2 m)			6 (150)
5'-0" (1.5 m)			8 (200)

TABLE

GENERAL NOTES

GENERAL NOTES

The flat slab top may be used in lieu of the tapered tops shown on Standards 602001, 602016, or 602306 at the option of the Contractor or when field conditions prohibit the use of tapered tops.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

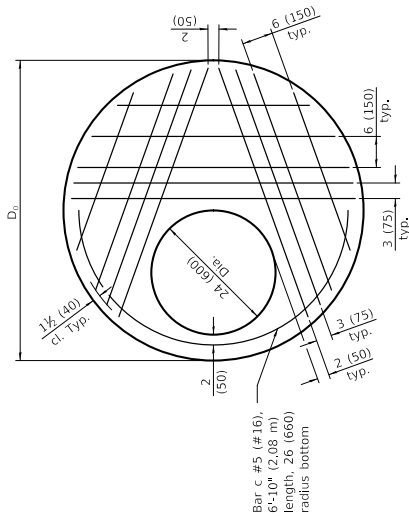
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-19	Expanded / refined reinforcement options,
1-1-18	Revised for compliance with LRFD,

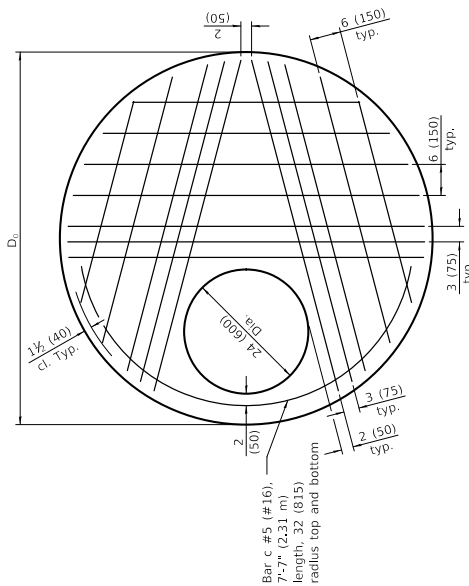
PRECAST REINFORCED CONCRETE FLAT SLAB TOP

(Sheet 1 of 2)

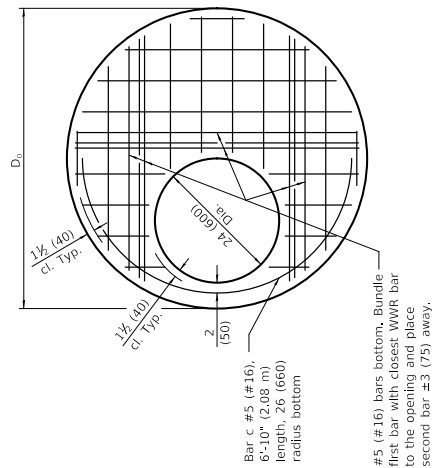
STANDARD 602601-06



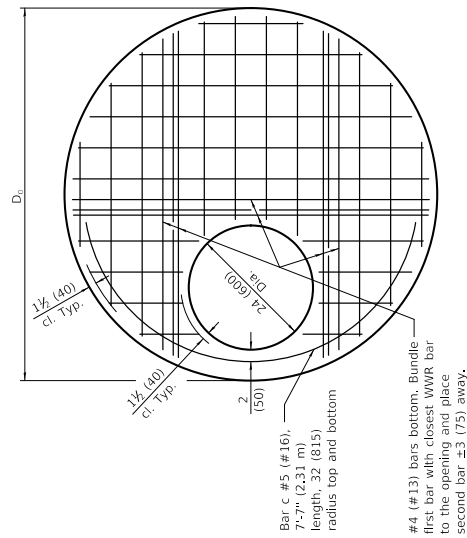
PLAN - FLAT SLAB TOP FOR D = 4'-0" (1.22 m)
(Showing layout of reinforcement bars and c bars)



PLAN - FLAT SLAB TOP FOR D = 5'-0" (1.52 m)
(Showing layout of bottom reinforcement bars and c bars)



PLAN - FLAT SLAB TOP FOR D = 4'-0" (1.22 m)
(Showing layout of welded wire reinforcement and c bars)



PLAN - FLAT SLAB TOP FOR D = 5'-0" (1.52 m)
(Showing layout of welded wire reinforcement and c bars)

FLAT SLAB TOP REINFORCEMENT FOR D = 36 (900)

Location	WWR (each direction)		Rebar	
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Bottom Mat	* 0.60 sq. in./ft. (1270 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#4 (#13)

FLAT SLAB TOP REINFORCEMENT FOR D = 4'-0" (1.22 m)

Location	WWR (each direction)		Rebar	
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Bottom Mat	* 0.62 sq. in./ft. (1312 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#5 (#16)

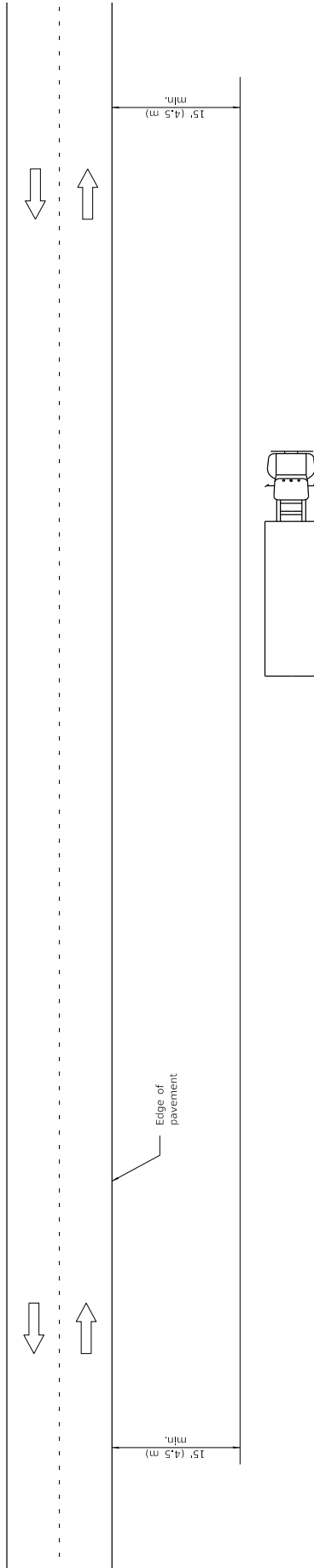
FLAT SLAB TOP REINFORCEMENT FOR D = 5'-0" (1.52 m)

Location	WWR (each direction)		Rebar (each direction except as noted)	
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Top Mat	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)
Bottom Mat	* 0.40 sq. in./ft. (847 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#4 (#13)

* Only one layer of WWR permitted to avoid congestion.

Illinois Department of Transportation
 PASSED: January 1, 2019
 ENGINEER OF POLICY AND PROCEDURES
 APPROVED: January 1, 2019
 ENGINEER OF DESIGN AND ENVIRONMENT

PLAN - FLAT SLAB TOP FOR D = 5'-0" (1.52 m)
(Showing layout of welded wire reinforcement and c bars)



TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Fencing contracts and maintenance
- Cleaning culverts

GENERAL NOTES

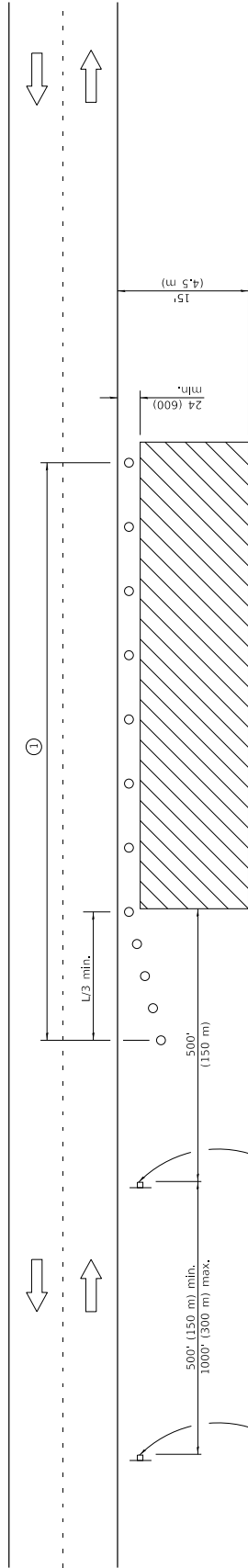
This Standard is used where at all times all vehicles, equipment, workers or their activities are more than 15' (4.5 m) from the edge of pavement.

When the work operation requires that two or more work vehicles cross the 15' (4.5 m) clear zone in any one hour, traffic control shall be according to Standard 701006.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE		REVISIONS	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
1-1-09		Switched units to English (metric).	
1-1-05		Revised title and notes.	
			STANDARD 701001-02

Illinois Department of Transportation PASSED January 1, 2009 ENGINEER OF OPERATIONS APPROVED January 1, 2009 ENGINEER OF DESIGN AND ENVIRONMENT		ISSUED 1-1-07
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For contract construction projects

W20-110(0)-48

For maintenance and utility projects

W21-110(0)-48

TYPICAL APPLICATIONS

Utility operations
Culvert extensions
Side slope changes
Guardrail installation and maintenance
Delineator installation
Landscaping operations
Shoulder repair
Sign installation and maintenance

SYMBOLS

Work area
Sign
Cone, drum or barricade

GENERAL NOTES

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24' (600) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT

English	Formula	Metric
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L = (W)(S)$	$L = 0.65(W)(S)$

W = Width of offset in feet (meters).

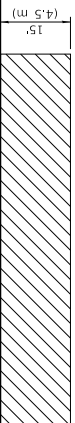
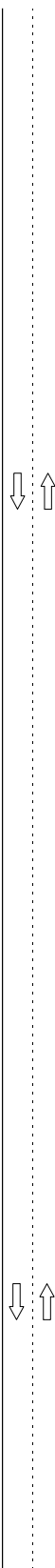
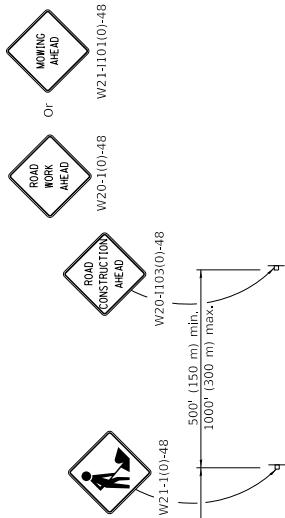
S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

STANDARD 701006-05

	ISSUED 1-1-07	
	PASSED	2014
	ENGINEER OF SAFETY ENGINEERING	2014
	APPROVED	2014
ENGINEER OF DESIGN AND ENVIRONMENT		

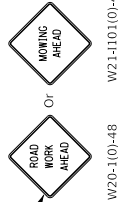


Varies ①

For contract construction projects



For maintenance and utility projects



TYPICAL APPLICATIONS

Shoulder work
Utility operations

- ① Minimum distance is 200' (60 m). Maximum distance to be determined by the Engineer but should not exceed 1/2 the length required for one normal working day's operation, or 4 miles (6.4 km) whichever is less.

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities require an intermittent or continuous moving operation on the shoulder, where the average speed is 1 mph (2 km/h) or less.

When the work operation does not exceed 60 minutes, traffic control may be according to Standard 701301.

All dimensions are in inches (millimeters) unless otherwise shown.

SYMBOLS



Work area



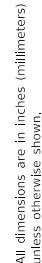
Sign

- Flagger with traffic control sign when required

PASSED January 1, 2014 APPROVED January 1, 2014 ENGINEER OF DESIGN AND ENVIRONMENT		ISSUED 1-1-07
Illinois Department of Transportation		

DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Omitted text 'WORKERS' sign.

OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
STANDARD 701011-04



DATE	REVISIONS	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
1-1-11	Revised flagger sign.	
1-1-09	Switched units to English (metric).	STANDARD 701301-04

SYMBOLS

Work area

Sign on portable or permanent support

Flagger with traffic control sign

TYPICAL APPLICATIONS

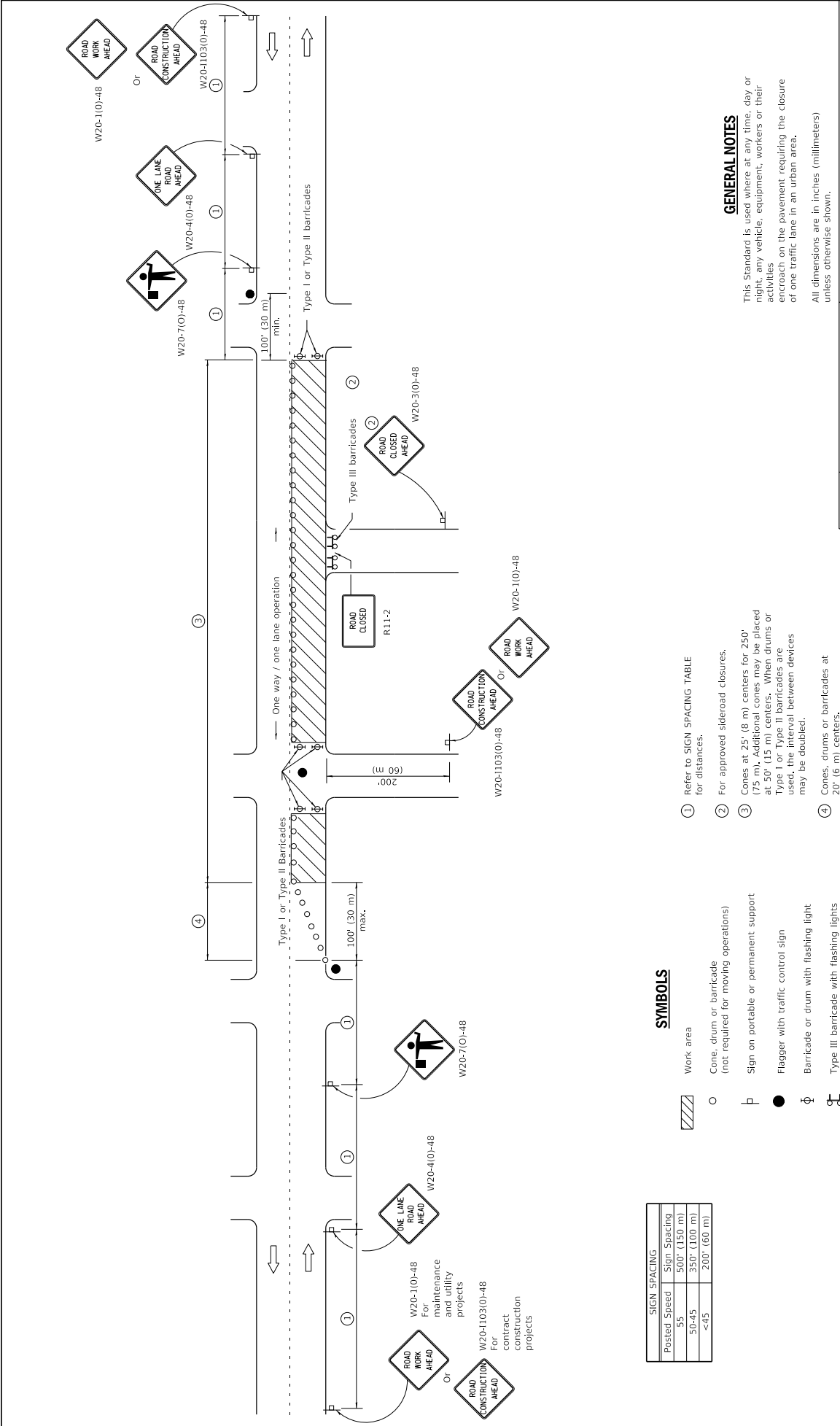
Marking patches
Field survey
String line
Utility operations
Cleaning up debris


 Illinois Department of Transportation

PASSED January 1, 2011
James O. Davis
 ENGINEER OF SAFETY ENGINEERING

APPROVED January 1, 2011
Jeffrey H. Smith
 SAFETY ENGINEER

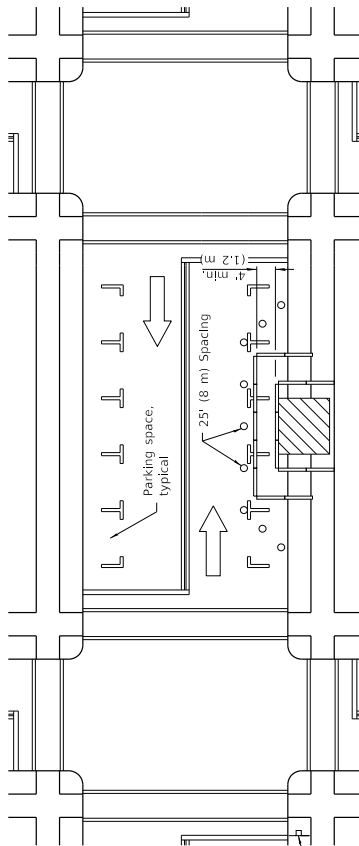
ISSUED 1-1-97



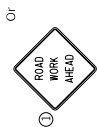
DATE		REVISIONS	
1-1-11		Revised flagger sign.	
1-1-09		Switched units to English (metric).	
		Corrected sign No.'s.	

URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED	
STANDARD 701501-06	

Illinois Department of Transportation PASSED January 1, 2011 ENGINEER OF SAFETY ENGINEERING APPROVED January 1, 2011 ENGINEER OF DESIGN AND ENVIRONMENT	
ISSUED 1-1-07	2011 2011

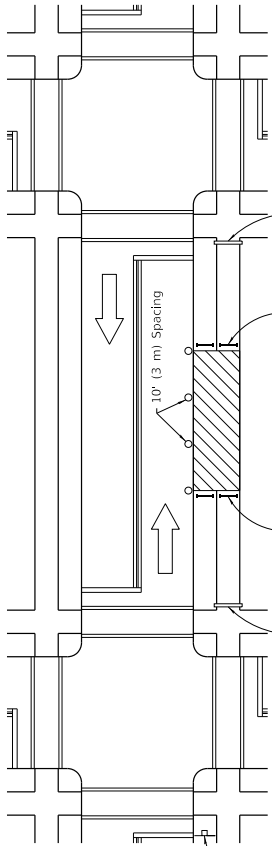


W20-1103(10)-48 for contract construction projects



W20-1101-48 for maintenance and utility projects

SIDEWALK DIVERSION

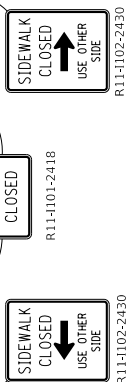


W20-1103(10)-48 for contract construction projects



W20-1101-48 for maintenance and utility projects

SIDEWALK CLOSURE



R11-1102-2430

R11-1101-2418

R11-1102-2430

SYMBOLS

- Work area
- Sign on portable or permanent support
- Barricade or drum
- Cone, drum or barricade
- Type III barricade
- Detectable pedestrian channelizing barricade

GENERAL NOTES

- This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.
- This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.
- Temporary facilities shall be detectable and accessible.
- The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.
- The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.
- Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701801.
- All dimensions are in inches (millimeters) unless otherwise shown.

① Omit whenever duplicated by road work traffic control.

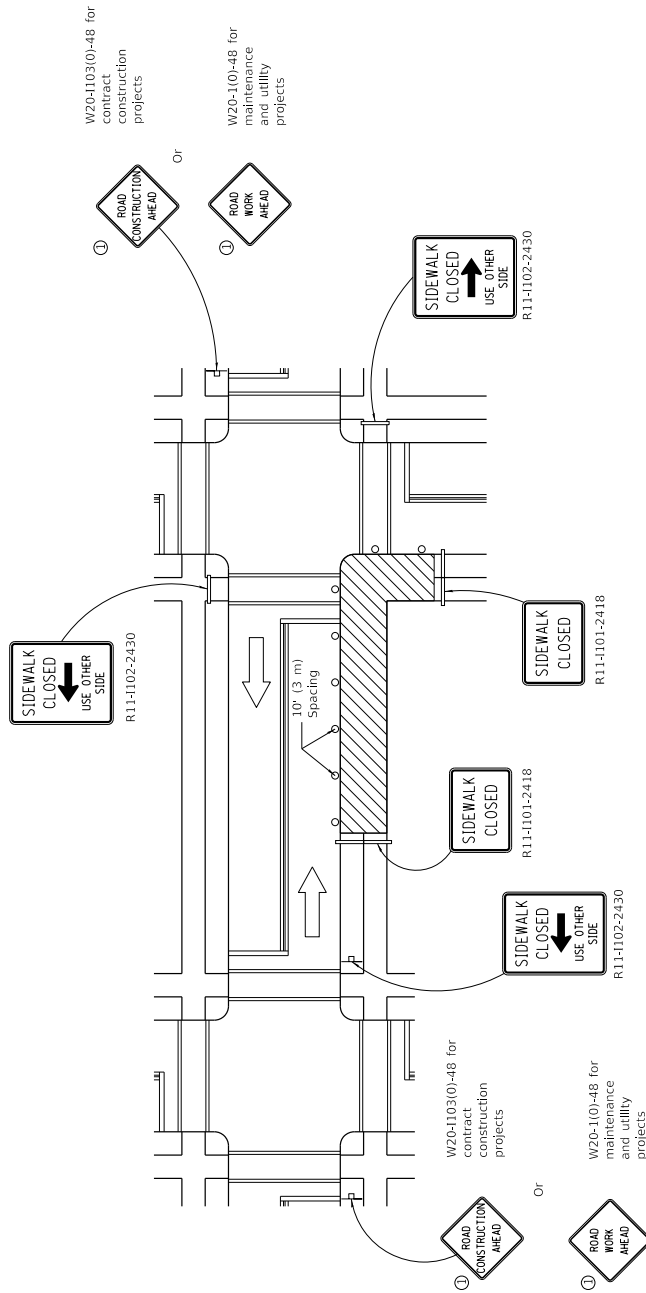
Illinois Department of Transportation	
PASSED	2016
APPROVED	2016
ENGINEER OF SAFETY ENGINEERING	2016
ENGINEER OF DESIGN AND ENVIRONMENT	2016

DATE	REVISIONS
4-1-16	Omitted orange safety fence from standard as this is covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of plan views. Renamed Std.

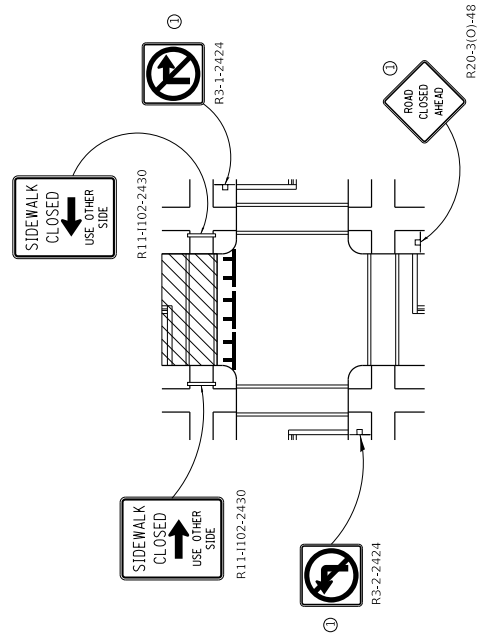
SIDEWALK, CORNER OR CROSSWALK CLOSURE

STANDARD 701801-06

(Sheet 1 of 2)



CORNER CLOSURE



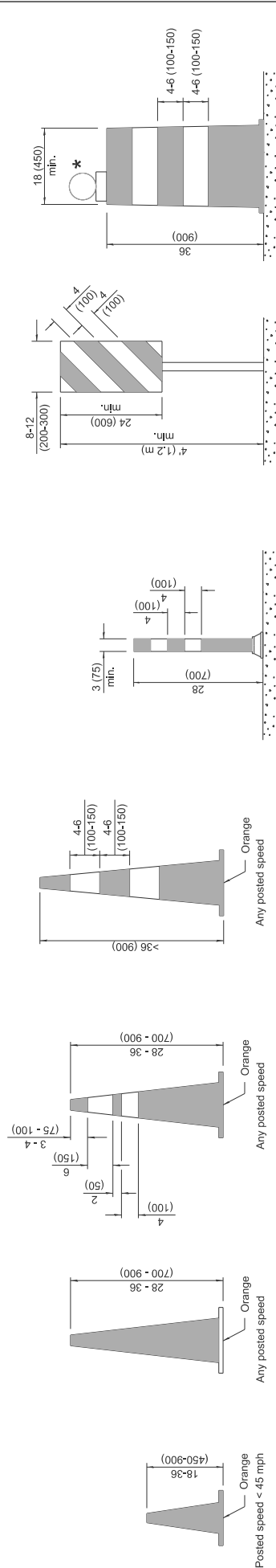
CROSSWALK CLOSURE

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

STANDARD 701801-06

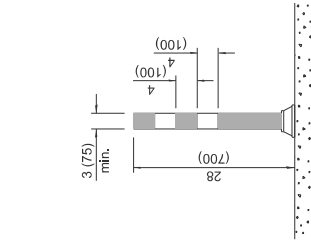
	Illinois Department of Transportation April 1, 2016	
	PASSED ENGINEER OF SAFETY ENGINEERING	2016
	APPROVED ENGINEER OF DESIGN AND ENVIRONMENT	2016
	ISSUED 1-1-07	



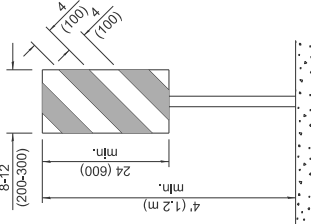
DAYTIME USE

CONES

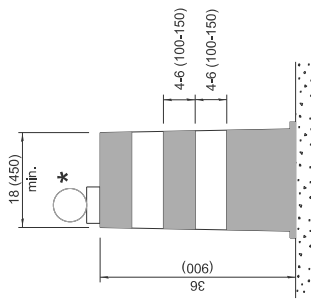
DAY OR NIGHTTIME USE



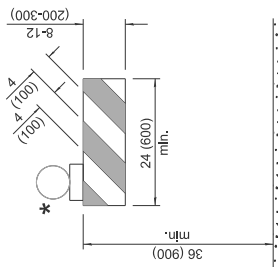
TUBULAR MARKER



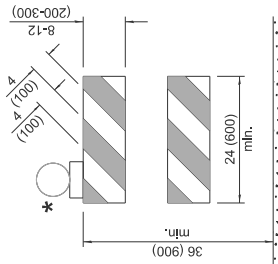
**VERTICAL PANEL
POST MOUNTED**



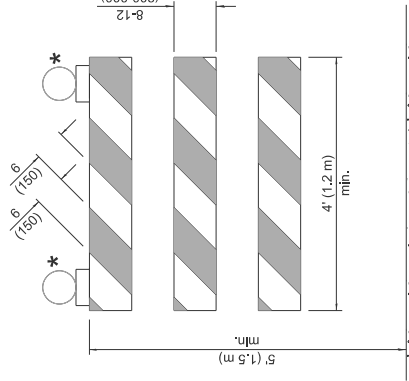
DRUM



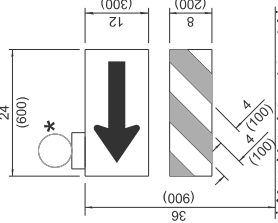
TYPE I BARRICADE



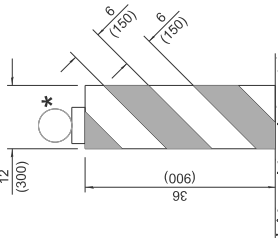
TYPE II BARRICADE



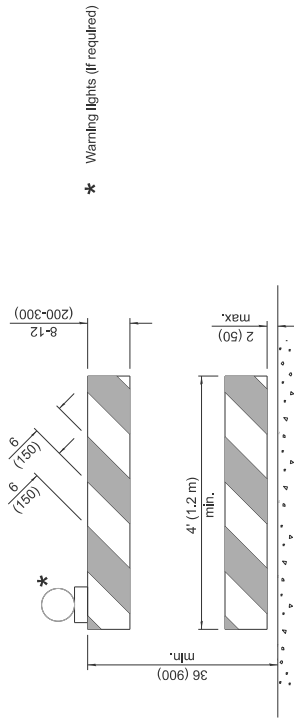
TYPE III BARRICADE



**DIRECTION INDICATOR
BARRICADE**



VERTICAL BARRICADE



**DETECTABLE PEDESTRIAN
CHANNELIZING BARRICADE**

* Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.
All dimensions are in inches (millimeters) unless otherwise shown.

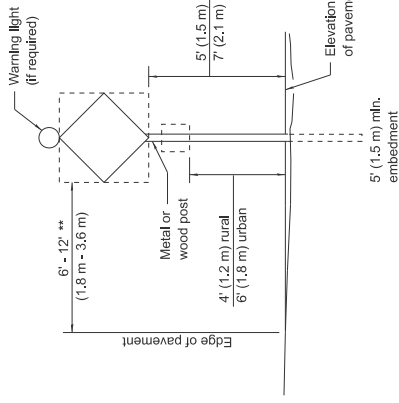
DATE	REVISIONS
1-1-25	Updated Temporary Rumble Strip Detail (sht. 3).
1-1-24	Revised Type III Barricade notes (sht. 3) & moved warning light on post mounted signs to top center.

**TRAFFIC CONTROL
DEVICES**

(Sheet 1 of 3)

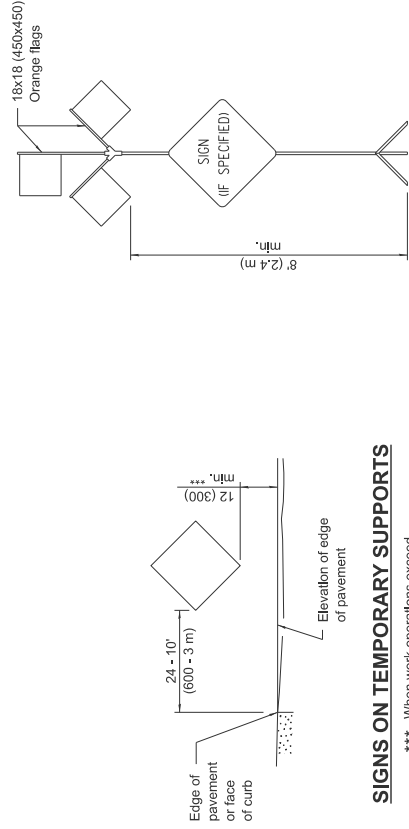
STANDARD 701901-10

Illinois Department of Transportation APPROVED January 1, 2025 ENGINEER OF SAFETY PROGRAMS AND ENGINEERING APPROVED January 1, 2025 ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-13
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POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



HIGH LEVEL WARNING DEVICE

SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.

ROAD CONSTRUCTION NEXT X MILES
G20-1104(0)-6036

END CONSTRUCTION
G20-1105(0)-6024

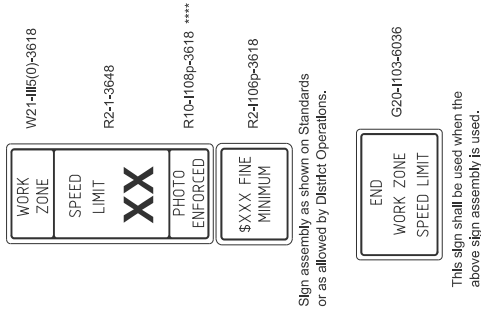
This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

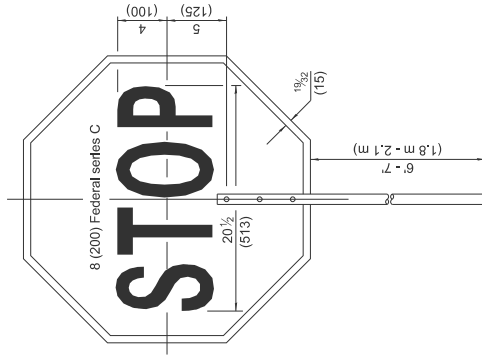
WORK LIMIT SIGNING



W12-1103-4848

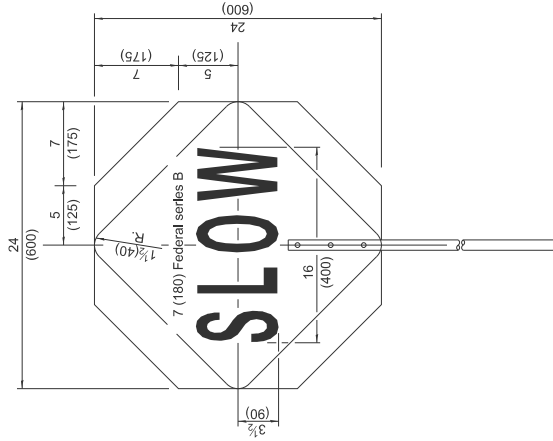
WIDTH RESTRICTION SIGN

XX-XX" width and X miles are variable.



FRONT SIDE

REVERSE SIDE



FLAGGER TRAFFIC CONTROL SIGN

APPROVED	January 1, 2025
ENGINEER OF SAFETY PROGRAMS AND ENGINEERING	
APPROVED	January 1, 2025
ENGINEER OF DESIGN AND ENVIRONMENT	

ISSUED 1-1-13

TRAFFIC CONTROL DEVICES

STANDARD 701901-10

(Sheet 2 of 3)

ABC Construction

123 Main St., Chicago, IL 60001

1/1/2017

Pay Estimate #1 – Clarifying Statement

Kyle Johnson
Civil Engineer II
Village of Buffalo Grove
51 Raupp Blvd.
Buffalo Grove, IL 60089

Insert Sentence: All certified payroll reports have been submitted through the Illinois Department of Labor Certified Payroll portal at illinois.gov.portal.

ABC Construction has submitted all necessary certified payroll documentation for Pay Estimate #1 through January 1st, 2017. Payrolls included in this period are:

ABC Construction Week Ending 12/24/16 #1

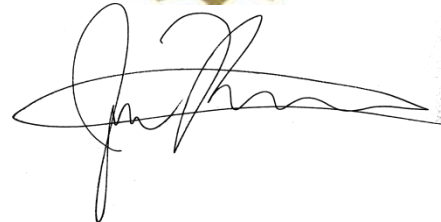
Week Ending 1/1/17 #2

Subcontractor 1 Week Ending 1/1/17 #1

Sincerely,



Joe Smith, Vice President



ABC Construction

123 Main St., Chicago, IL 60001

1/1/2017

Week of January 1st, 2017 – Weekly Update

Kyle Johnson
Civil Engineer II
Village of Buffalo Grove
51 Raupp Blvd.
Buffalo Grove, IL 60089

Here is the weekly update for the week of January 1 (weather permitting)
Monday, January 1 – Curb and concrete driveway removal on West side of Lauren and North side of Mohawk. Access made temporary after removal but before pour.

Tuesday, January 2 – Curb and concrete driveway removal continues on North side Mohawk and East side of Gregg. Access made temporary after removal but before pour.

Wednesday, January 3 – Curb poured on West side of Lauren, North Side of Mohawk and East side of Gregg.

Thursday, January 4 – Concrete driveways and sidewalks poured Lauren, Mohawk, and Gregg.

Friday, January 5 – Structure adjustments and any remaining concrete poured.

ABC Construction will pass out notices the day before notifying residents of this closing and will also knock on door the day of removal to avoid trapping any vehicles in. Concrete curb and aprons are scheduled to be poured starting Wednesday January 3 and there will be no access to driveways for seven days. ABC Construction will distribute a notification of this closure and explain your overnight parking options. Thank you for your patience throughout the ongoing project.

All streets in construction zone will be open but you will encounter delays as we load and unload materials. All driveways will be open during construction except for when we are installing water services directly adjacent to a driveway there will be a time where access will be limited. ABC will notify residents and make arrangements to ensure you have use of your vehicles during this time. Thank you again for your patience and understanding during construction.

Sincerely,



Joe Smith, Vice President

ABC Construction

123 Main St., Chicago, IL 60001
123-123-1234

1/1/2017

Driveway Closure Notice

Resident
Buffalo Grove, IL 60089

As part of the road rehabilitation process a portion of curb, and possibly a portion of your driveway apron, will be replaced. Please have all vehicles out of your driveway by 7 AM on;

_____, 2017
(day) (date)

During the rehabilitation process you will lose access to your driveway for a maximum of 7 working days from this date regardless of weather. If access is prior to the 7 days it will be recognizable by the removal of the barricades.

Parking: You may park on either side of the street as long as you are not inhibiting curb/driveway removal, consequential replacement of either or as otherwise noted by law. The Police Department has been notified and overnight parking restrictions have been lifted for all roadways under construction and the adjacent streets. For everyone's safety please do not park on the roadways under construction during working hours (7 AM to 6 PM, Monday thru Friday).

Notice: You have received this notice at least 1 day in advance of construction. As a courtesy, we will knock on your door one time the morning of the removal process. It is still up to you to have your car out by 7AM on the noted day. Thank you in advance for your cooperation.

This notice has been hand-delivered to you by the construction contractor, ABC Construction.

Any questions regarding this notice can be directed to the Project Manager Joe Smith at 321-765-4321.

Sincerely,



Joe Smith, Project Manager

3/31/2014
#100302
7/14/2016
#669681

SAMPLE LETTER OF CREDIT

ABC Bank
123 Main Street
Anywhere, Illinois

Irrevocable Standby Letter of Credit No. 1

Beneficiary:
Village of Buffalo Grove
Fifty Raupp Road
Buffalo Grove, IL 60089-219

Applicant:
Developer Company
Lake Cook Road
Buffalo Grove, IL 60089

Issue Date: October 18, 2012
Expiration Date: October 18, 2012

Gentlemen:

We hereby issue in your favor our Irrevocable Standby Letter of Credit No. 1 ("Letter of Credit") in favor of the Village of Buffalo Grove ("Beneficiary") on behalf of Developer Company ("Applicant"), up to the aggregate amount of \$171,026.94 (One Hundred Seventy One Thousand Two Hundred Fifty Nine and 94/100 United States Dollars) to be available by draft(s) at sight. This credit is issued presentable and payable at the offices of our ABC Bank 123 Main Street, Anywhere, Illinois Attn: Letter of Credit Department and expires at 5:00 PM Chicago time on October 18, 2013 (subject to extension of such expiry date, as provided below).

This Credit is available against presentation of draft(s) drawn at sight on ABC Bank, Anywhere, Illinois. All draft(s) drawn under this Letter of Credit must bear the clause "Drawn under ABC Bank Irrevocable Letter of Credit No. 1 dated October 18, 2012", and be accompanied by this original Letter of Credit (and amendments, if any) and a dated certificate of an authorized official agent of the Village of Buffalo Grove (signed as such), certifying that either:

- 1) Said Letter of Credit is about to expire and has not been extended; or
- 2) Work has not been completed and formally accepted by the President and Board of Trustees of the Village of Buffalo Grove, in accordance with the plans specification, and agreements (including amendments thereof) for the project commonly known as Residential Development on Main Street.

This Letter of Credit shall be automatically extended for an additional period of one year from the present and each future expiration date unless we have notified the Beneficiary in writing, no more than one hundred twenty (120) calendar days nor less than sixty (60) calendar days before such expiration date, that we elect not to extend this Letter of Credit. Our notice of such election shall be sent by certified mail overnight courier service to the above Beneficiary address Attention: Village Clerk. Drafts must be

presented to drawee bank no later than 5:00 PM Central Time on or before the expiry day. Upon receipt by you of our notice of election not to extend this Letter of Credit, you may draw hereunder prior to the then current expiration date of this Letter of Credit.

We hereby agree with you that drafts drawn under and in compliance with the terms of this Letter of Credit shall be honored no later than the close of the third banking day following the presentment. If we fail to honor same, we agree to pay all attorneys fees, court costs and other expenses incurred by the Village of Buffalo Grove in enforcing the terms of this Letter of Credit.

Cancellation of Letter of Credit prior to expiration: This Letter of Credit (and amendments, if any) must be returned to us for cancellation with a statement signed by the Beneficiary stating that the Letter of Credit is no longer required and is being returned to the issuing bank for cancellation.

Jurisdiction of this letter of Credit shall be in the State of Illinois and venue shall be Cook County.

Please address all correspondence regarding this Letter of Credit to the attention of our Letter of Credit Department mentioning our Letter of Credit as it appears above.

Very Truly Yours,

ABC Bank

By:

Its: Vice President

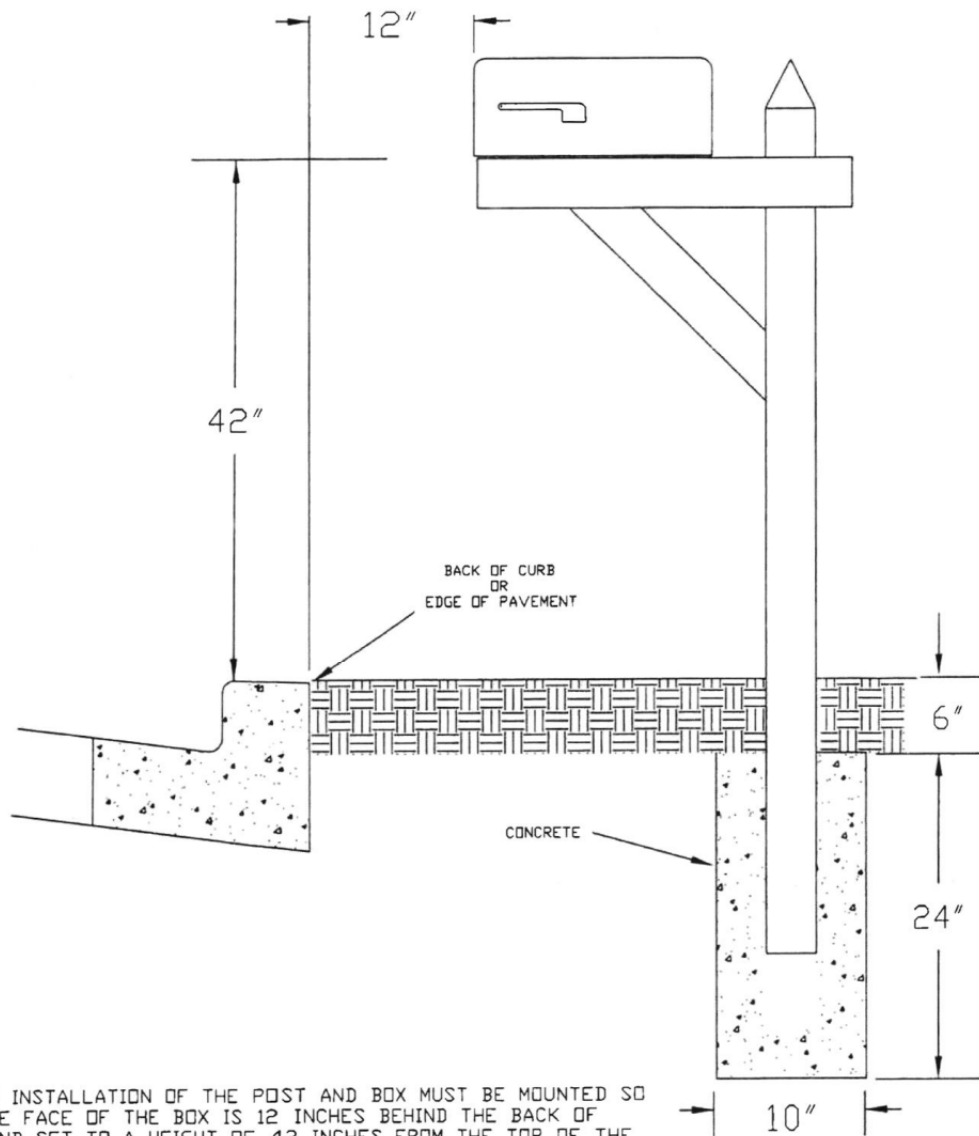
TEMPORARY NO PARKING

TIME:

DATE:

CONSTRUCTION ZONE

Note – Hand written information must be dark, legible and large. Sign shall be printed on more than paper, unless laminated. Must withstand winds and stay on stake/lath.



THE INSTALLATION OF THE POST AND BOX MUST BE MOUNTED SO THE THE FACE OF THE BOX IS 12 INCHES BEHIND THE BACK OF CURB AND SET TO A HEIGHT OF 42 INCHES FROM THE TOP OF THE CURB TO THE BOTTOM OF THE BOX. THE POST SHOULD BE SET IN A HOLE 10 INCHES IN DIAMETER AND 30 INCHES DEEP.

CONCRETE SHOULD BE PLACED AROUND THE POST AND UP TO 6 INCHES FROM THE FINISHED SURFACE.

THE MATERIAL USED FOR THE POST SHALL BE A 4' X 4' PRESSURE TREATED POST OR 1 1/2" I.D. MINIMUM TO A 2" I.D. MAXIMUM STEEL OR ALUMINUM POST, MAXIMUM WALL THICKNESS 0.154".

MAILBOX
INSTALLATION

G:\ENGINEERING\FORMS\MAILBOXINSTALLATION.DWG

EXHIBIT NO.109 MATERIALS LIST

Date of revision: 1/1/16

Water Distribution Material Specifications:

Water main pipe.	Ductile Iron Pipe. Pipe class thickness—AWWA C150, minimum thickness, Class 52. Pipe—AWWA C151. Pipe lining—AWWA C104. Fittings—AWWA C153. Joints—mechanical and push-on, AWWA C111. Wrap—4 mil. X-Lam conforming to AWWA C105.A21.5 and AWWA C600. No 90 degree bends allowed. All stainless steel trim.
Valves.	American Flow Control, Series 2500 resilient wedge gate valve, All sizes two inch to fourteen inch, counter clockwise to open, AWWA C500., AWWA C504. Clow AWWA C-504 Butterfly Valve for sixteen inch and above. Joint end—mechanical, AWWA C111. All stainless steel trim.
Valve Vault.	All structures shall be monolithically precast with designed openings or mechanically cored in the field and shall have rubber boots conforming to ASTM C-923. Dog house vaults are excluded from these requirements when permitted by Village Engineer. Size: For six and eight inch diameter valves, valve vaults shall have a forty-eight inch inside diameter; for pressure connections and valves ten inches and larger in diameter, valve vaults shall have a sixty inch inside diameter. All valve vault cones must be eccentric centers with valve properly aligned.
Castings.	East Jordan Iron Works 1022 Frame and Lid or Neenah R-1713, embossed per Exhibit No. 401 of Buffalo Grove Numerical Code Title 16.
Fire Hydrant.	Waterous Pacer Model WB67-250, AWWA C502, painted fire engine red above ground, with resilient wedge auxiliary gate valve. Nozzles, two at two and one half inch, one at four and one half inch, with threads conforming to National Standard Specifications. Frangible section (breakaway type) with the break line flange located one inch above finished grade. Joint end, six inch, mechanical or push-on. All stainless steel trim. Auxiliary boxes and hydrants shall be a direct flange-to-flange connection.
Fire hydrant extension	Fire hydrant extensions and parts to be manufactured by Waterous only. All stainless steel trim.
Hydrant Valve Box \ Valve boxes	Hydrant Valve Box Tyler 664-S. Lid embossed "WATER." Rubber valve box stabilizer required.
Service Pipe.	Copper tube, two inches and smaller, ASTM B88, Type K (1" minimum). Ductile iron, larger than two inches. Conform to Water main section above. Service upgrade for existing water main requires a stainless steel tap repair clamp. Ford model FS1-CC, minimum length 15" long.
Corporation Stop.	Mueller H15000, 1" minimum, AWWA C800. 1" Direct tap or 1 1/4" and larger shall use Ford FC202 stainless steel band, epoxy coated saddle.
Curb Stop.	Copper service, Mueller H-15154. Ductile iron service, Resilient wedge counter clockwise to open, AWWA C500. Joint end—mechanical, AWWA C111.
Curb box	Copper service, Mueller H-10302. Ductile iron service, conform to Hydrant Valve Box section above. Ductile iron service, 6" and larger, conform to Valve Vault section above.
Copper to Copper Fittings	Mueller Company Model #H-15400. An all flared coupling is required, no sweat joint or compression allowed.
Pressure Connections	Ford FTSS style tapping sleeve. American Flow Control Series 2500 tapping valve four inch minimum. All stainless steel trim.

Sanitary Sewer Material Specifications:

Sewer and Service Connection Pipe	Reinforced concrete pipe—circular reinforcement, minimum Class 3, ASTM C76, with epoxy lining. PVC solid wall (SDR-26H) pipe—ASTM D-3034 for six to fifteen inches in diameter.
Sewer and Service Connection Pipe Joints.	Reinforced concrete pipe—ASTM C443. PVC solid wall (SDR-26H) pipe—ASTM D-3212 for six to eighteen inches in diameter.
Sewer and Service Connection Pipe Fittings	PVC solid wall (SDR-26H) pipe—ASTM D3034 for six to fifteen inches in diameter.
Casing Pipes.	Steel pipe—ASTM A120, three-eighths inch minimum thickness.
Manholes	Size: For sewer eighteen inch diameter or less, manhole shall have a forty-eight inch inside diameter. For sewer twenty-one inch to thirty-six inch diameter, manhole shall have a sixty inch inside diameter. For sewer greater than thirty-six inch diameter, manhole shall have an offset riser pipe of forty-eight inch inside diameter. All structures shall be monolithically precast including bases and invert flow lines.
Castings.	East Jordan Iron Works Frame 1022 or Neenah R-1713, with self-sealing lid and recessed pick hole, embossed per Exhibit No. 301 of Buffalo Grove Numerical Code Title 16.

Storm Sewer System Material Specifications:

Structures.	All structures shall be precast with designed openings or mechanically cored in the field.
Castings.	Closed Lid, East Jordan Iron Works 1022 or Neenah R-1713, embossed per Exhibit No. 201., Open Lid, East Jordan Iron Works 1022 or Neenah R-1713, Standard B4.12 or any other barrier curb, Type 11— East Jordan Iron Works 7210 or Neenah 3281-A or Neenah 3170 on existing structures where required. Box height must be 6" minimum with 5' tapers to match curb height., Depressed barrier curb, Type M3 Grate, Yard inlet, Type 8— East Jordan Iron Works 6517 or Neenah R-4340-B
Sewer Pipe Joints.	Reinforced concrete pipe—ASTM C443 or C361. PVC solid wall (SDR-26H) pipe—ASTM D-3212 for six to eighteen inches in diameter.
Sump pump service connection pipe/sub surface drain pipe.	4" PVC solid wall sewer pipe SDR-35. Blind connections must be cored in storm sewer and pipe connection shall be made with a rubber boot and stainless steel band. Sump pump per Exhibit No. 202 of Buffalo Grove Numerical Code Title 16 and underdrain per Exhibit No. 203.

Material Specifications For All Utilities:

Bedding	CA-11, Class B or better. All stone shall be crushed; rounded aggregate will not be permitted. The stone shall be compacted to 90% modified proctor density as required by ASTM D1557 or AASHTO T-180. Recycled materials permitted from IDOT approved sources meeting the correct gradations.
Trench Backfill	CA-11, Class B or better. This item shall meet the requirements of Class B CA-11, per the IDOT Standard Specifications for Road and Bridge Construction. All stone shall be crushed; rounded aggregate will not be permitted. The stone shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180. Jetting of trenches is not permitted. Recycled materials permitted from IDOT approved sources meeting the correct gradations.
Adjustments	No more than two precast concrete adjusting rings with six inch maximum height adjustment shall be allowed, minimum one 2" ring installed on new structures. All adjustment rings less than 2" shall be HDPE rings. Only one HDPE may be used within the precast tolerances. Only precast concrete or

	HDPE adjustment rings permitted. ½" x 3.5" mastic to be used between all frames, rings and structures. Mortar around rings, but none between. Bed of mortar can be used on cone or flat top of structure.
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Miscellaneous Material Specifications:

Detectable Warnings	East Jordan Iron Works or Neenah cast iron detectable warnings. Color shall be brick red.
Concrete	In accordance with IDOT Standard Specifications for Road and Bridge Construction
Asphalt	In accordance with IDOT Standard Specifications for Road and Bridge Construction and Section 16.50.070 of the Village of Buffalo Grove Municipal Code

* The Village Engineer shall have the authority to approve the use of alternative materials than those specifically required by Exhibit 109 in the manner provided for in Title 16 of the Village of Buffalo Grove Numerical Code. The Village Engineer may approve alternative materials that are not specifically required by this title when:

1. The materials or their components required by this title are no longer manufactured and available for purchase; and
2. The alternative materials are generally consistent with requirements of this title, including but not limited to those standards relating to production, composition, safety and aesthetics.

Testing Specifications:

(In addition to the requirements of IDOT's Standard Specifications for Road and Bridge Construction or the Standard Specifications for Water and Sewer Construction in Illinois)

Storm Sewer	Cleaning and televising, with reporting, as directed by the Village Engineer
Sanitary Sewer	Cleaning and televising, with reporting, as directed by the Village Engineer

*When conflicting information exists between the plans specifications and this exhibit number 109 the information listed in exhibit number 109 shall govern. All castings on a project or development shall come from a single manufacturer.



Office: 847-870-0544
Fax: 847-870-0661
us@soilandmaterialconsultants.com
www.soilandmaterialconsultants.com

June 3, 2020
File No. 25205

Mr. Kyle E. Johnson, P.E., CFM
Village of Buffalo Grove
51 Raupp Boulevard
Buffalo Grove, Illinois 60089

Re: Pavement Investigation
Rolling Hills
Buffalo Grove, Illinois

Dear Mr. Johnson:

We are submitting the results of our pavement investigation for the various streets included in the above referenced project. The investigation was requested to determine existing pavement sections.

The field investigation included pavement coring at 18 locations to determine material types and thicknesses. Additionally, soil borings were performed at 7 of the core locations. We auger drilled the borings to depths of 7.5 feet below existing surface elevations. Soil samples were obtained using a split barrel sampler advanced utilizing an automatic SPT hammer. Soil profiles were determined in the field and soil samples returned to our laboratory for additional testing including determination of moisture content. Cohesive soils obtained by split barrel sampling were tested further to determine dry unit weight and unconfined compressive strength.

RESULTS OF THE INVESTIGATION

Enclosed are core and boring logs indicating the pavement and soil conditions encountered at each location. The summary table below indicates pavement materials and thicknesses encountered at each location. Please refer to the individual core logs and pictures for more detailed information.

<u>Core</u>	<u>HMA Surface (in.)</u>	<u>HMA Binder (in.)</u>	<u>Total HMA (in.)</u>	<u>Granular Base (in.)</u>	<u>Total Pavement (in.)</u>
1	2.25	5.0	7.25	7.75	15.0
2	1.25	4.75	6.0	9.0	15.0
3	2.25	4.75	7.0	8.0	15.0
4	1.5	4.75	6.25	13.75	20.0
5	1.5	4.5	6.0	13.0	19.0
6	1.5	4.75	6.25	16.75+	23.0+
7	1.75	3.25	5.0	14.0	19.0
8	1.75	5.25	7.0	5.0	12.0
9	1.0	4.75	5.75	11.25	17.0
10	1.75	5.25	7.0	5.0	12.0
11	1.0	5.5	6.5	11.5	18.0
12	1.25	5.25	6.5	7.5	14.0
13	1.5	5.5	7.0	7.0	14.0

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORINGS • SITE INVESTIGATIONS • PAVEMENT INVESTIGATIONS • GEOTECHNICAL ENGINEERING
TESTING OF • SOIL • ASPHALT • CONCRETE • MORTAR • STEEL

<u>Core</u>	<u>HMA Surface (in.)</u>	<u>HMA Binder (in.)</u>	<u>Total HMA (in.)</u>	<u>Granular Base (in.)</u>	<u>Total Pavement (in.)</u>
14	2.0	5.5	7.5	15.5+	23.0+
15	1.5	4.75	6.25	16.75+	23.0+
16	1.75	4.5	6.25	13.75	20.0
17	1.5	5.5	7.0	12.0	19.0
18	1.25	4.75	6.0	11.0	17.0

Note: Failures noted in the bituminous concrete have the thicknesses shown in **bold**.

Soil borings were performed at locations C/B-3, C/B-7, C/B-10, C/B-11, C/B-12, C/B-13 and C/B-17. Fill soil conditions were encountered at each boring except boring C/B-17. Composition of the fill includes the presence of silt/clay, silt/sand, silt/clay/sand and clay/silt mixtures extending to depths of 2.5 feet to 6.5 feet at these boring locations. The limits of fill placement were not determined within the scope of this investigation. Larger debris may also be present within the fill but was not encountered during the investigation. The fill soil conditions are found to overlie the apparent natural topsoil at boring C/B-11 extending to a depth of 4.5 feet.

Underlying natural soil conditions include the presence of cohesive soils. These are classified as very tough to hard clay/silt mixtures with lesser portions of sand and gravel.

Non-cohesive soils were also encountered as indicated at borings C/B-11 and C/B-17. These include loose to medium dense silt/clay and silt/sand mixtures. Cobbles and boulders may be present within the site soils at any elevation, although none were encountered while drilling.

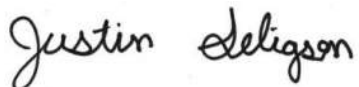
CONCLUSION

This report has been prepared to assist in initial determination of existing pavement sections and supporting soil conditions. Locally varying conditions may be present between test locations.

If you have any questions concerning the findings or recommendations presented in this report, please let me know.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.



Justin Seligson, E.I.T.
Project Engineer



Thomas P. Johnson, P.E.
President

JMS:TPJ
Enc.



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE		
Project:	ROLLING HILLS		
Location:	BUFFALO GROVE, ILLINOIS		
File No.	25205	Date: 5-28-20	Scale: NONE



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-1 Work Done By: AC - CS - AQ

Location of Core: 8' N of CL

Comments: 1999 Sheridan Road

(Depth, In.)		Type of Material	Recovery	
0 ---		2-1/4"	Bituminous concrete - Surface	Full
1 ---				
2 ---				
3 ---		2-0"	Bituminous concrete - Binder	Full
4 ---				
5 ---				
6 ---		3-0"	Bituminous concrete - Binder (failed)	Partial
7 ---				
8 ---				
9 ---				
10 ---				
11 ---		7-3/4"	Crushed limestone with fines	Partial
12 ---				
13 ---				
14 ---				
15 ---	E.O.C.	Total: 15-0"		
16 ---				
17 ---				
18 ---				
19 ---				
20 ---				

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-2 Work Done By: AC - CS - AQ

Location of Core: 6' W of CL

Comments: 1954 Sheridan Road

(Depth, In.)		Type of Material	Recovery
0 ---			
1 ---		1-1/4" Bituminous concrete - Surface	Full
2 ---		1-3/4" Bituminous concrete - Binder	Full
3 ---			No bond
4 ---		3-0" Bituminous concrete - Binder	Full
5 ---			
6 ---			
7 ---			
8 ---			
9 ---			
10 ---			
11 ---		9-0" Crushed limestone with fines	Partial
12 ---			
13 ---			
14 ---			
15 ---		Total: 15-0"	
16 ---	E.O.C.		
17 ---			
18 ---			
19 ---			
20 ---			

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C/B-3 Work Done By: AC - CS - AQ

Location of Core: 7' E of CL

Comments: 1939 Sheridan Road

(Depth, In.)	<u>Type of Material</u>		<u>Recovery</u>			
0 ---	2-1/4"	Bituminous concrete - Surface	Full			
1 ---						
2 ---						
3 ---	2-0"	Bituminous concrete - Binder	Full			
4 ---						
5 ---						
6 ---	2-3/4"	Bituminous concrete - Binder	Full			
7 ---						
8 ---						
9 ---	8-0"	Crushed limestone with fines	Partial			
10 ---						
11 ---						
12 ---	Total: 15-0"					
13 ---						
14 ---						
15 ---				E.O.C.		
16 ---						
17 ---						
18 ---						
19 ---						
20 ---						

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-4 Work Done By: AC - CS - AQ

Location of Core: 8' W of CL

Comments: 1919 Sheridan Road

(Depth, In.)		Type of Material	Recovery
0 ---			
1 ---		1-1/2" Bituminous concrete - Surface	Full
2 ---			
3 ---		2-0" Bituminous concrete - Binder	Full
4 ---			
5 ---		2-3/4" Bituminous concrete - Binder	No bond
6 ---			Full
7 ---			
8 ---			
9 ---			
10 ---			
11 ---		13-3/4" Crushed limestone with fines	Partial
12 ---			
13 ---			
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---			
20 ---		Total: 20-0"	
	E.O.C.		

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-5 Work Done By: AC - CS - AQ

Location of Core: 8' S of CL

Comments: 2119 Sheridan Road

(Depth, In.)	<u>Type of Material</u>		<u>Recovery</u>
0 ---	1-1/2"	Bituminous concrete - Surface	Full
1 ---			
2 ---			
3 ---	2-1/2"	Bituminous concrete - Binder	Full
4 ---			
5 ---			
6 ---	2-0"	Bituminous concrete - Binder (failed)	Partial
7 ---			
8 ---			
9 ---	13-0"	Crushed limestone with fines	Partial
10 ---			
11 ---			
12 ---			
13 ---			
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---	Total: 19-0"		
20 ---	E.O.C.		

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-6 Work Done By: AC - CS - AQ

Location of Core: 7' NE of CL

Comments: 2086 Sheridan Road

(Depth, In.)		Type of Material	Recovery
0 ---		1-1/2" Bituminous concrete - Surface	Full
1 ---			
2 ---		2-0" Bituminous concrete - Binder	Full
3 ---			No bond
4 ---			
5 ---		2-3/4" Bituminous concrete - Binder	Full
6 ---			
7 ---			
8 ---			
9 ---			
10 ---			
11 ---			
12 ---			
13 ---			
14 ---		16-3/4"+ Crushed limestone with fines	Partial
15 ---			
16 ---			
17 ---			
18 ---			
19 ---			
20 ---			
	E.O.C.	Total: 23-0"+	

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C/B-7 Work Done By: AC - CS - AQ

Location of Core: 2' W of CL

Comments: 2063 Sheridan Road

(Depth, In.)		Type of Material	Recovery
0 ---			
1 ---		1-3/4" Bituminous concrete - Surface	Full
2 ---			
3 ---		1-1/4" Bituminous concrete - Binder (failed)	Partial
4 ---			
5 ---		2-0" Bituminous concrete - Binder (failed)	Partial
6 ---			
7 ---			
8 ---			
9 ---			
10 ---			
11 ---			
12 ---		14-0" Crushed limestone with fines	Partial
13 ---			
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---		Total: 19-0"	
20 ---	E.O.C.		

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-8 Work Done By: AC - CS - AQ

Location of Core: 7' E of CL

Comments: 2030 Sheridan Road

(Depth, In.)		Type of Material	Recovery
0 ---		1-3/4" Bituminous concrete - Surface	Full
1 ---			
2 ---		2-1/2" Bituminous concrete - Binder	Full
3 ---			
4 ---		2-3/4" Bituminous concrete - Binder	Full
5 ---			
6 ---		5-0" Crushed limestone with fines	Partial
7 ---			
8 ---		Total: 12-0"	
9 ---			
10 ---		E.O.C.	
11 ---			
12 ---			
13 ---			
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---			
20 ---			

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-9 Work Done By: AC - CS - AQ

Location of Core: 6' N of CL

Comments: 2002 Sheridan Court

(Depth, In.)		Type of Material	Recovery
0 ---		1-0" Bituminous concrete - Surface	Full
1 ---			
2 ---		2-3/4" Bituminous concrete - Binder	Full
3 ---			
4 ---		No bond	
5 ---		2-0" Bituminous concrete - Binder (failed)	Partial
6 ---			
7 ---			
8 ---			
9 ---			
10 ---			
11 ---		11-1/4" Crushed limestone with fines	Partial
12 ---			
13 ---			
14 ---			
15 ---			
16 ---			
17 ---		Total: 17-0"	
18 ---	E.O.C.		
19 ---			
20 ---			

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-10 Work Done By: AC - CS - AQ

Location of Core: 3' W of CL

Comments: 2019 Sheridan Road

(Depth, In.)		Type of Material	Recovery
0 ---		1-3/4" Bituminous concrete - Surface	Full
1 ---			
2 ---		2-0" Bituminous concrete - Binder (failed)	Partial
3 ---			
4 ---		1-0" Bituminous concrete - Binder (failed)	Partial
5 ---		No bond	
6 ---		2-1/4" Bituminous concrete - Binder (failed)	Partial
7 ---			
8 ---			
9 ---			
10 ---		5-0" Crushed limestone with fines	Partial
11 ---			
12 ---	E.O.C.	Total: 12-0"	
13 ---			
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---			
20 ---			

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-1 Work Done By: AC - CS - AQ

Location of Core: On CL

Comments: 1995 Wilshire Court

(Depth, In.)		Type of Material	Recovery
0 ---		1-0" Bituminous concrete - Surface	Full
1 ---			
2 ---		2-1/4" Bituminous concrete - Binder	Full
3 ---			No bond
4 ---			
5 ---		3-1/4" Bituminous concrete - Binder	Full
6 ---			
7 ---			
8 ---			
9 ---			
10 ---			
11 ---		8-1/2" Crushed limestone with fines	Partial
12 ---			
13 ---			
14 ---			
15 ---			
16 ---		3-0" Crushed concrete with fines	Partial
17 ---			
18 ---	E.O.C.	Total: 18-0"	
19 ---			
20 ---			

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C/B-12 Work Done By: AC - CS - AQ

Location of Core: 6' S of CL

Comments: 791 Edgemiere Road

(Depth, In.)	Type of Material	Recovery
0 ---	1-1/4" Bituminous concrete - Surface	Full
1 ---		
2 ---	2-1/2" Bituminous concrete - Binder	Full
3 ---		
4 ---	2-3/4" Bituminous concrete - Binder	Full
5 ---		
6 ---	7-1/2" Crushed limestone with fines	Partial
7 ---		
8 ---		
9 ---		
10 ---		
11 ---	Total: 14-0"	
12 ---		
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C/B-13 Work Done By: AC - CS - AQ

Location of Core: 3' W of CL

Comments: 1948 Beverly Lane

(Depth, In.)		Type of Material	Recovery
0 ---			
1 ---		1-1/2" Bituminous concrete - Surface	Full
2 ---			No bond
3 ---		2-1/2" Bituminous concrete - Binder (failed)	Partial
4 ---			No bond
5 ---			
6 ---		3-0" Bituminous concrete - Binder (failed)	Partial
7 ---			
8 ---			
9 ---			
10 ---			
11 ---		7-0" Crushed limestone with fines	Partial
12 ---			
13 ---			
14 ---		Total: 14-0"	
15 ---	E.O.C.		
16 ---			
17 ---			
18 ---			
19 ---			
20 ---			

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-14 Work Done By: AC - CS - AQ

Location of Core: 7' NE of CL

Comments: 1933 Beverly Lane

(Depth, In.)		Type of Material	Recovery
0 ---			
1 ---		2-0" Bituminous concrete - Surface	Full
2 ---			
3 ---		2-1/2" Bituminous concrete - Binder	Full
4 ---		No bond	
5 ---			
6 ---		3-0" Bituminous concrete - Binder	Full
7 ---			
8 ---			
9 ---			
10 ---			
11 ---			
12 ---			
13 ---			
14 ---		15-1/2"+ Crushed limestone with fines	Partial
15 ---			
16 ---			
17 ---			
18 ---			
19 ---			
20 ---			
	E.O.C.	Total: 23-0"+	

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-15 Work Done By: AC - CS - AQ

Location of Core: 7' S of CL

Comments: 1912 Beverly Lane

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - Surface	Full
2 ---		No bond
3 ---		
4 ---	4-3/4" Bituminous concrete - Binder	Full
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---		
11 ---		
12 ---		
13 ---		
14 ---	16-3/4"+ Crushed limestone with fines	Partial
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		
	Total: 23-0"+	
	E.O.C.	

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-16 Work Done By: AC - CS - AQ

Location of Core: 7' SE of CL

Comments: 815 Summer Court

(Depth, In.)		Type of Material	Recovery
0 ---			
1 ---		1-3/4" Bituminous concrete - Surface	Full
2 ---			No bond
3 ---		2-1/2" Bituminous concrete - Binder	Full
4 ---			No bond
5 ---		2-0" Bituminous concrete - Binder	Full
6 ---			
7 ---			
8 ---			
9 ---			
10 ---			
11 ---			
12 ---			
13 ---		13-3/4" Crushed limestone with fines	Partial
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---			
20 ---	E.O.C.	Total: 20-0"	

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C/B-17 Work Done By: AC - CS - AQ

Location of Core: 5' NE of CL

Comments: 1901 Twin Oaks Court

(Depth, In.)		Type of Material	Recovery
0 ---			
1 ---		1-1/2" Bituminous concrete - Surface	Full
2 ---			
3 ---		2-0" Bituminous concrete - Binder	Full
4 ---			No bond
5 ---			
6 ---		3-1/2" Bituminous concrete - Binder	Full
7 ---			
8 ---			
9 ---			
10 ---			
11 ---			
12 ---			
13 ---		12-0" Crushed limestone with fines	Partial
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---		Total: 19-0"	
20 ---	E.O.C.		

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25205

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills

Core No: C-18 Work Done By: AC - CS - AQ

Location of Core: 5' NE of CL

Comments: Twin Oaks Boulevard

(Depth, In.)		Type of Material		Recovery
0 ---				
1 ---		1-1/4" Bituminous concrete - Surface	No bond	Full
2 ---		1-1/2" Bituminous concrete - Binder	No bond	Full
3 ---				
4 ---		3-1/4" Bituminous concrete - Binder		Full
5 ---				
6 ---				
7 ---				
8 ---				
9 ---				
10 ---				
11 ---		11-0" Crushed limestone with fines		Partial
12 ---				
13 ---				
14 ---				
15 ---				
16 ---				
17 ---		Total: 17-0"		
18 ---	E.O.C.			
19 ---				
20 ---				

G-333

SOIL BORING LOG C/B-3

Logged By: CS

Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25205

Date Drilled: 5/28/20

Reference: Rolling Hills
Buffalo Grove, IL

Comments: 1939 Sheridan Road

depth, ft.	Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	See Core Log								
2	Brown silt, some clay, trace sand & gravel, damp, loose - Fill								
3		5	13.6			×	△		
4									
5	Brown to brown/gray clay & silt, trace sand & gravel, damp, hard	11	16.2	115.7	4.4		×	△	○
6									
7									
8	End of Boring	13	16.8	116.6	4.4		×	△	○
9									
10									

Water encountered at
Water recorded at
Water recorded at

Dry feet during drilling operations (W.D.)
Dry feet on completion of drilling operations (A.D.)
feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG C/B-7

Logged By: CS

Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25205

Date Drilled: 5/28/20

Reference: Rolling Hills
Buffalo Grove, IL

Comments: 2063 Sheridan Road

depth, ft.	Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other				standard penetration X	moisture content Δ	dry unit w lbs./cu.ft. γ	unconfine compress O	1.0 2.0 3.0 4.0			
	CLASSIFICATION		X standard penetration "N", blows/ft. Δ moisture content, %									
	Elevation	Existing Surface	10	20					30	40		
	See Core Log				15	12.2						
1												
2	Brown/gray silt, some clay, trace sand & gravel, damp, medium dense - Fill				13	17.0						
3										ΔX		
4												
5	Brown/gray clay, some silt, trace sand & gravel, damp, hard				9	16.7	112.6	4.6		X Δ		
6												
7	End of Boring				9	16.7	112.6	4.6		X Δ		4.6 O
8												
9												
10												

Water encountered at
Water recorded at
Water recorded at

Dry feet during drilling operations (W.D.)
Dry feet on completion of drilling operations (A.D.)
feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG C/B-10

Logged By: CS

Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25205

Date Drilled: 5/28/20

Reference: Rolling Hills
Buffalo Grove, IL

Comments: 2019 Sheridan Road

depth, ft.	Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	See Core Log	13	10.6						
2	Brown silt, some sand, trace clay & gravel, damp, medium dense - Fill								
3	Brown clay, some silt, trace sand & gravel, damp, hard	13	21.5	107.1	4.0	△×			
4									
5						×	△		○
6									
7	End of Boring	17	18.0	112.7	7.5	×	△		○ 7.5
8									
9									
10									

Water encountered at
Water recorded at
Water recorded at

Dry feet during drilling operations (W.D.)
Dry feet on completion of drilling operations (A.D.)
feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG C/B-11

Logged By: CS

Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25205

Date Drilled: 5/28/20

Reference: Rolling Hills
Buffalo Grove, IL

Comments: 1995 Wilshire Court

depth, ft.	Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	1.0 2.0 3.0 4.0				
	CLASSIFICATION					×	standard penetration "N", blows/ft.			
	Elevation Existing Surface					×	moisture content, %			
						10	20	30	40	
1	See Core Log	16	13.1							
2	Brown/gray silt, some clay, trace sand & gravel, damp, medium dense - Fill									
3										
4										
5	Black silt, some clay, trace sand & roots, damp, medium dense (topsoil)	14	26.4							
6	Dark brown/gray silt, some clay, trace sand & gravel, damp, medium dense									
7										
8		Brown/gray clay & silt, trace sand & gravel, damp, hard								
9										
10										
11	End of Boring	12	16.3	113.5	4.6					
12										
13										
14										
15										
16										
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Water encountered at
Water recorded at
Water recorded at

Dry feet during drilling operations (W.D.)
Dry feet on completion of drilling operations (A.D.)
feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG C/B-12

Logged By: CS

Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25205

Date Drilled: 5/28/20

Reference: Rolling Hills
Buffalo Grove, IL

Comments: 791 Edgemiere Road

depth, ft.	Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, % 10 20 30 40			
	Elevation Existing Surface								
1	See Core Log								
2									
3	Dark brown/gray silt, some clay & sand, trace gravel, damp, medium dense - Fill	13	12.8			×			
4									
5	Brown/gray clay, some silt, trace sand & gravel, damp, hard - Fill	13	22.2	106.1	4.6	×	△	●	○ 4.6
6									
7	Brown/gray clay & silt, trace sand & gravel, damp, hard								
8	End of Boring	11	12.9	114.5	4.0	×	△	●	○
9									
10									

Client: Village of Buffalo Grove

File No. 25205

Date Drilled: 5/28/20

Reference: Rolling Hills
Buffalo Grove, IL

Comments: 1948 Beverly Lane

depth, ft.	Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	See Core Log								
2									
3	Dark brown/gray silt, some clay & sand, trace gravel, damp, medium dense - Fill	14	12.9				△		
4									
5	Brown/gray clay & silt, trace sand & gravel, damp, hard	13	16.8 17.1	113.9	4.8		△ ×△		4.8 ○
6	Brown/gray clay & silt, trace sand & gravel, damp, hard								
7									
8	End of Boring	9	14.7	119.9	3.6	×	△		○
9									
10									

Water encountered at
Water recorded at
Water recorded at

Dry feet during drilling operations (W.D.)
Dry feet on completion of drilling operations (A.D.)
feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG C/B-17

Logged By: CS

Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25205

Date Drilled: 5/28/20

Reference: Rolling Hills
Buffalo Grove, IL

Comments: 1901 Twin Oaks Court

depth, ft.	Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	See Core Log								
2	Brown silt, some fine sand, trace medium to coarse sand & gravel, damp, loose	9	15.5						
3						×	△		
4									
5	Brown/gray clay & silt, trace sand & gravel, damp, very tough to hard	7	16.3	114.5	3.9	×	△		○
6									
7									
8	End of Boring	15	14.7	116.3	4.9		×		○ 4.9
9									
10									

Water encountered at Dry feet during drilling operations (W.D.)
 Water recorded at Dry feet on completion of drilling operations (A.D.)
 Water recorded at feet hours after completion of drilling operations (A.D.)

GENERAL NOTES

SAMPLE CLASSIFICATION

Soil sample classification is based on the Unified Soil Classification System, the Standard Practice for Description and Identification Soils (Visual-Manual Procedure), ASTM D-2488, the Standard Test Method for Classification of Soils for Engineering Purposes, ASTM D-2487 (when applicable), and the modifiers noted below.

CONSISTENCY OF COHESIVE SOILS

Term	Qu-tons/sq.ft.	N (unreliable)
Very soft	0.00 – 0.25	0 – 2
Soft	0.26 – 0.49	3 – 4
Stiff	0.50 – 0.99	5 – 8
Tough	1.00 – 1.99	9 – 15
Very Tough	2.00 – 3.99	16 – 30
Hard	4.00 – 7.99	30 +
Very Hard	8.00 +	

RELATIVE DENSITY OF GRANULAR SOILS

Term	N – blows/foot
Very Loose	0 – 4
Loose	5 – 9
Medium Dense	10 – 29
Dense	30 – 49
Very Dense	50 +

IDENTIFICATION AND TERMINOLOGY

Term	Size Range
Boulder	over 8 in.
Cobble	3 in. to 8 in.
Gravel - coarse	1 in. to 3 in.
- medium	3/8 in. to 1 in.
- fine	#4 sieve to 3/8 in.
Sand - coarse	#10 sieve to #4 sieve
- medium	#40 sieve to #10 sieve
- fine	#200 sieve to #40 sieve
Silt	0.002 mm to #200 sieve
Clay	smaller than 0.002mm
Modifying Term	Percent by Weight
Trace	1 – 10
Little	11 – 20
Some	21 – 35
And	36 – 50

Moisture Content

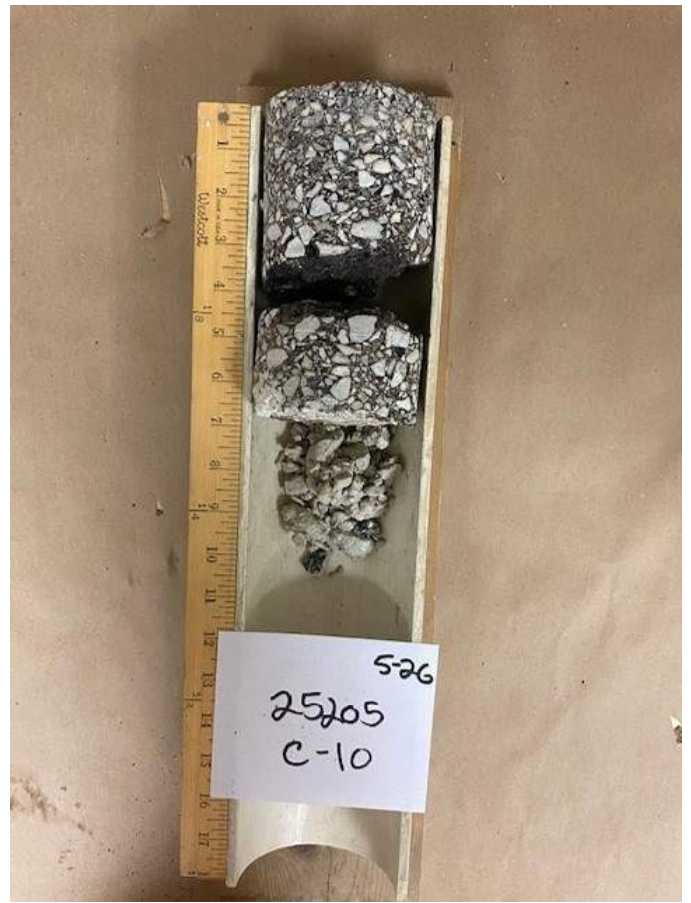
Dry
Damp
Very Damp
Saturated

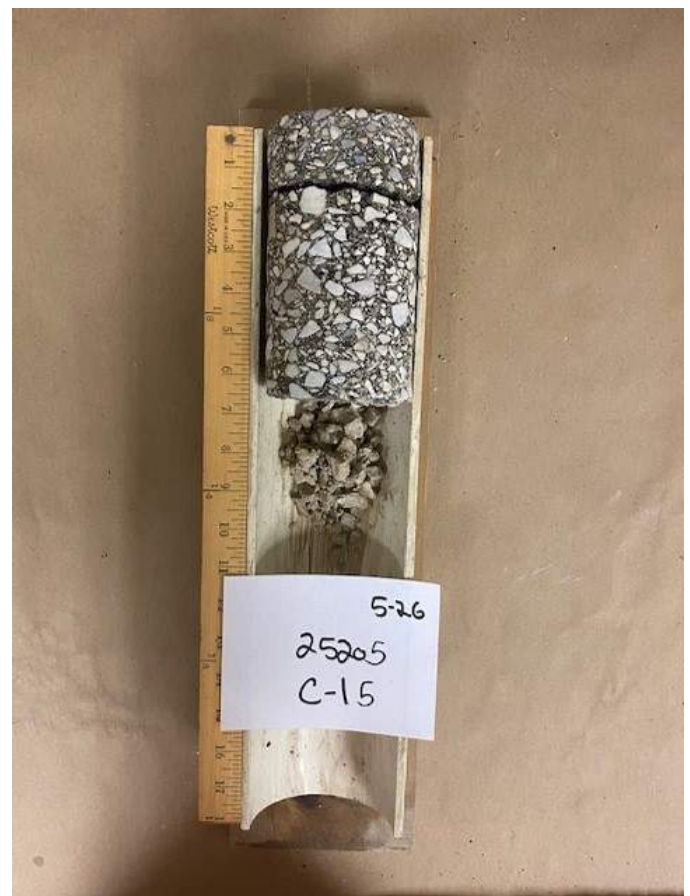
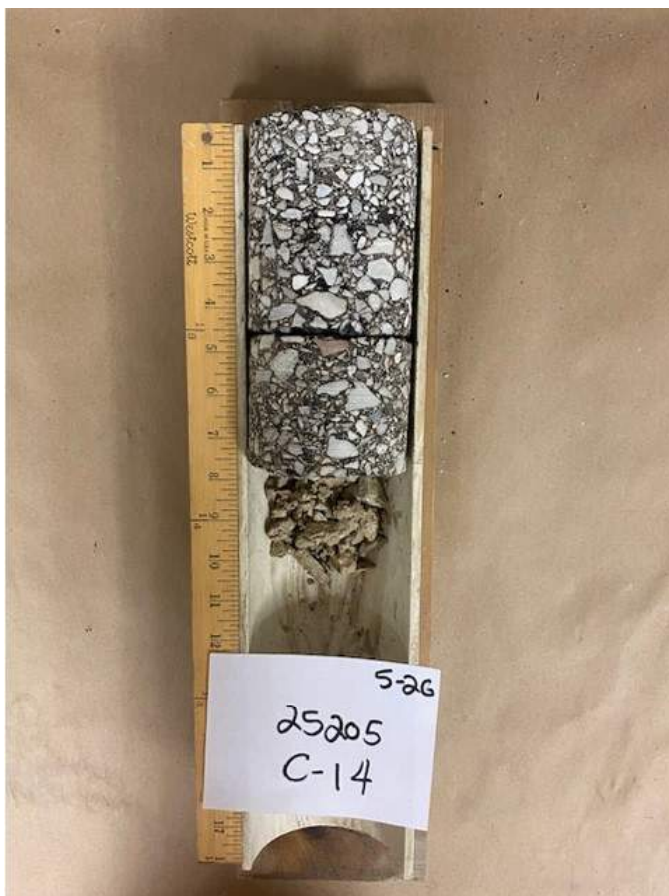
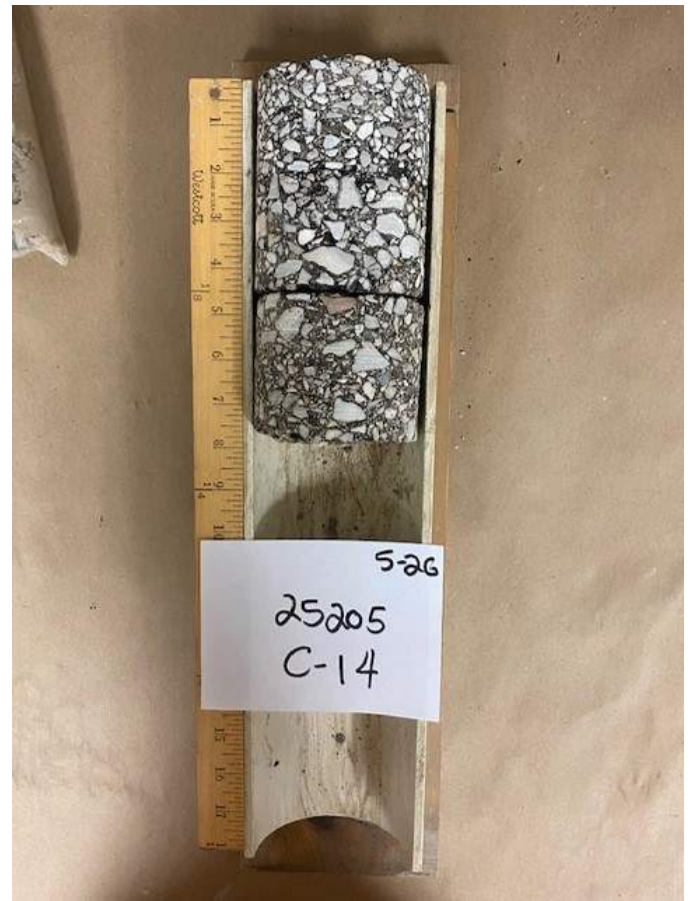
DRILLING, SAMPLING & SOIL PROPERTY SYMBOLS

CF	- Continuous Flight Auger
HS	- Hollow Stem Auger
HA	- Hand Auger
RD	- Rotary Drilling
AX	- Rock Core, 1-3/16 in. diameter
BX	- Rock Core, 1-5/8 in. diameter
NX	- Rock Core, 2-1/8 in. diameter
S	- Sample Number
T	- Type of Sample
J	- Jar
AS	- Auger Sample
SS	- Split Spoon (2 in. O.D. with 1-3/8 in. I.D.)
ST	- Shelby Tube (2 in. O.D. with 1-7/8 in. I. D.)
R	- Recovery Length, in.
B	- Blows/6 in. interval, Standard Penetration Test (SPT)
N	- Blows/foot to drive 2 in. O.D. split-spoon sampler with 140 lb. hammer falling 30 in., (STP)
Pen.	- Pocket Penetrometer readings, tons/sq.ft.
W	- Water Content, % dry weight
Uw	- Dry Unit Weight of soil, lbs./cu.ft.
Qu	- Unconfined Compressive Strength, tons/sq.ft.
Str	- % Strain at Qu.
WL	- Water Level
WD	- While Drilling
AD	- After Drilling
DCI	- Dry Cave-in.
WCI	- Wet Cave-in.
LL	- Liquid Limit, %
PL	- Plastic Limit, %
PI	- Plasticity Index (LL-PL)
LI	- Liquidity Index [(W-PL)/PI]













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Fax: 847-870-0661
us@soilandmaterialconsultants.com
www.soilandmaterialconsultants.com

August 21, 2024
File No. 28135

Mr. Kyle E. Johnson, P.E., CFM
Village of Buffalo Grove
51 Raupp Boulevard
Buffalo Grove, Illinois 60089

Re: Pavement Investigation
Rolling Hills Street Resurfacing
Buffalo Grove, Illinois

Dear Mr. Johnson:

We are submitting the results of our pavement investigation completed on various streets in the Village of Buffalo Grove, Illinois. The investigation was requested to determine existing pavement sections. The field investigation included coring the pavement at 40 locations to determine material types and thicknesses.

RESULTS OF THE INVESTIGATION

Enclosed are core logs indicating the pavement conditions encountered at each location. The summary table below indicates pavement materials and thicknesses encountered. Please refer to the individual core logs and pictures for more detailed information.

<u>Core</u>	<u>HMA Surface (in.)</u>	<u>HMA Binder (in.)</u>	<u>Total HMA (in.)</u>	<u>Granular Base (in.)</u>	<u>Total Pavement (in.)</u>
<u>Indian Creek Drive</u>					
C-1	1.00	5.25	6.25	8.25	14.50
C-2	1.25	5.50	6.75	9.75	16.50
C-3	1.50	5.00	6.50	8.50	15.00
C-4	1.00	6.00	7.00	6.75	13.75
<u>Indian Creek Court</u>					
C-5	1.25	5.75	7.00	6.75	13.75
<u>Roslyn Lane</u>					
C-6	1.25	2.00	3.25	13.50	16.75
C-7	1.25	2.25	3.50	11.25	14.75
C-8	2.25	2.50	4.75	11.75	16.50
C-9	1.00	2.00	3.00	13.00	16.00
<u>Roslyn Court</u>					
C-10	2.50	2.00	4.50	11.75	16.25
<u>North Easton Avenue</u>					
C-11	1.75	2.75	4.50	6.00	10.50
C-12	6.75*	---	6.75	10.75	17.50

Note: **BOLD** indicates failure in the layer of bituminous concrete

* indicates the presence of a reflective crack control fabric

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SOIL BORINGS • SITE INVESTIGATIONS • PAVEMENT INVESTIGATIONS • GEOTECHNICAL ENGINEERING
TESTING OF • SOIL • ASPHALT • CONCRETE • MORTAR • STEEL

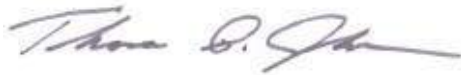
CONCLUSION

This report has been prepared to assist in initial determination of existing pavement sections. Locally varying conditions may be present between test locations.

Any questions concerning the information presented in this report should be directed to our office.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.



Thomas P. Johnson, P.E
President



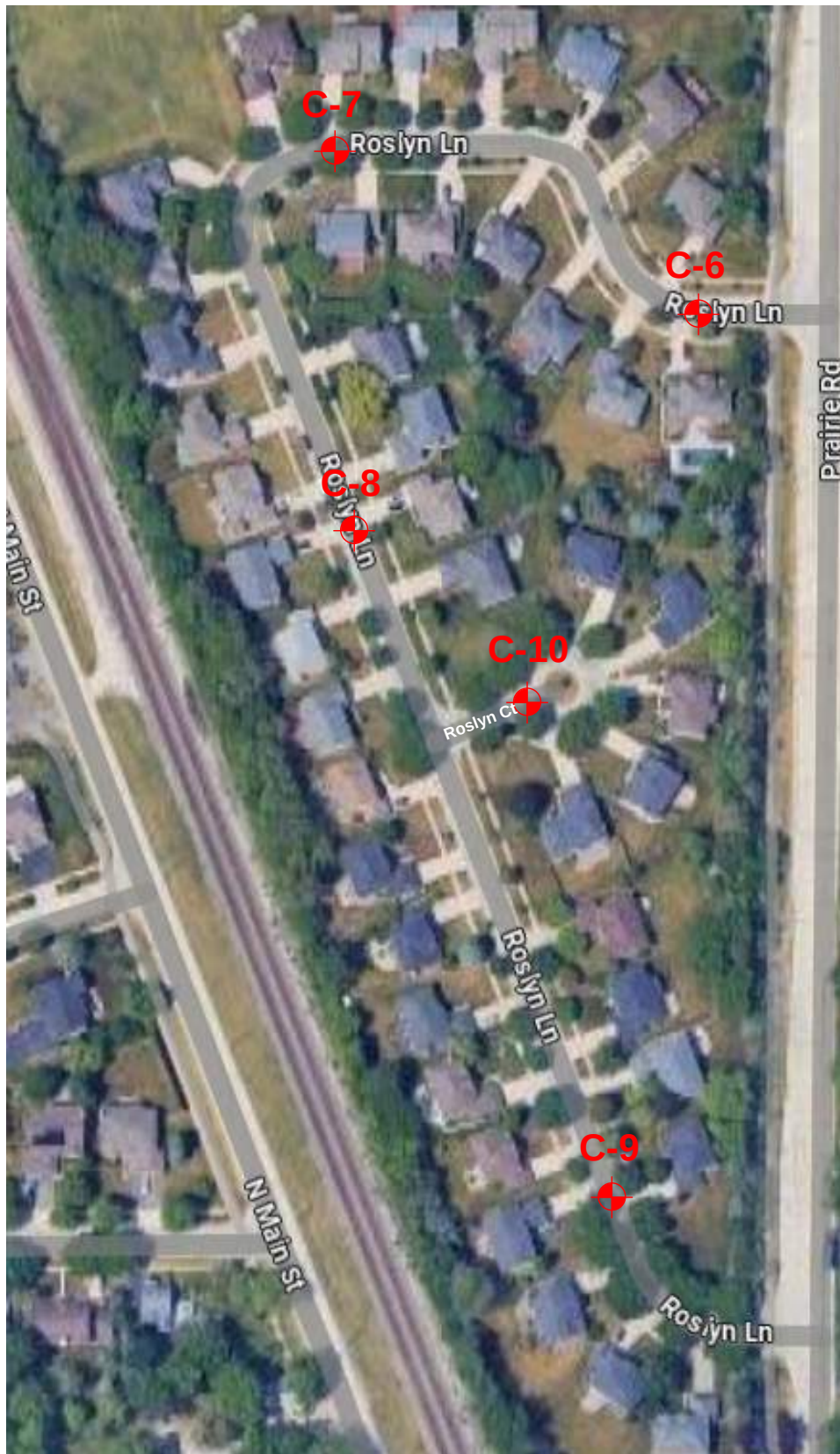
Martin Clarke
Project Engineer

TPJ:MC:ek
Enc.

cc: Mr. Lucas Deferville – Gewalt Hamilton Associates, Inc.



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE		
Project:	ROLLING HILLS STREET RESURFACING		
Location:	BUFFALO GROVE, ILLINOIS		
File No.	28135	Date: 8-16-24	Scale: NONE



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE		
Project:	ROLLING HILLS STREET RESURFACING		
Location:	BUFFALO GROVE, ILLINOIS		
File No.	28135	Date: 8-16-24	Scale: NONE



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE		
Project:	ROLLING HILLS STREET RESURFACING		
Location:	BUFFALO GROVE, ILLINOIS		
File No.	28135	Date: 8-16-24	Scale: NONE



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/15/24

File No.: 28135

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference: Rolling Hills Street Resurfacing
Buffalo Grove, IL

Core No: 1 Work Done By: AQ & CS

Location of Core: 3260 Indian Creek Dr., 7' N. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-0" Bituminous concrete - surface	Full
2 ---	2-0" Bituminous concrete - binder	Full
3 ---	no bond	
4 ---		
5 ---	3-1/4" Bituminous concrete - binder	Full
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	8-1/4" Crushed limestone with fines	Partial
11 ---		
12 ---		
13 ---		
14 ---		
15 ---	E.O.C. Total 14-1/2"	
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/15/24

File No.: 28135

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference: Rolling Hills Street Resurfacing
Buffalo Grove, IL

Core No: 2 Work Done By: AQ & CS

Location of Core: 3221 Indian Creek Dr., 9' E. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/4" Bituminous concrete - surface	Full
2 ---	1-3/4" Bituminous concrete - binder	Full
3 ---	no bond	
4 ---		
5 ---	3-3/4" Bituminous concrete - binder	Full
6 ---		
7 ---		
8 ---		
9 ---		
10 ---		
11 ---	9-3/4" Crushed limestone with fines	Partial
12 ---		
13 ---		
14 ---		
15 ---		
16 ---		
17 ---	E.O.C. Total 16-1/2"	
18 ---		
19 ---		
20 ---		

Date: 8/15/24

File No.: 28135

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference: Rolling Hills Street Resurfacing
Buffalo Grove, IL

Core No.: 3 Work Done By: AQ & CS

Location of Core: 3160 Indian Creek Dr., 7' N. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---	1-1/2" Bituminous concrete - surface	Full
1 ---		
2 ---	2-1/4" Bituminous concrete - binder	Full
3 ---		
4 ---	2-3/4" Bituminous concrete - binder	Full
5 ---		
6 ---	8-1/2" Crushed limestone with fines	Partial
7 ---		
8 ---	Total 15-0"	
9 ---		
10 ---	E.O.C.	
11 ---		
12 ---		
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/15/24

File No.: 28135

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills Street Resurfacing
Buffalo Grove, IL

Core No: 4 Work Done By: AQ & CS

Location of Core: 3111 Indian Creek Dr. (on S. side of house), 9' S. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 --		
1 --	1-0" Bituminous concrete - surface	Full
2 --		
3 --	2-1/2" Bituminous concrete - binder	Full
4 --	no bond	
5 --		
6 --	3-1/2" Bituminous concrete - binder	Full
7 --		
8 --		
9 --		
10 --	6-3/4" Crushed limestone with fines	Partial
11 --		
12 --		
13 --		
14 --	Total 13-3/4"	
15 --	E.O.C.	
16 --		
17 --		
18 --		
19 --		
20 --		

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CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills Street Resurfacing Buffalo Grove, IL

Core No: 5 Work Done By: AQ & CS

Location of Core: 3201 Indian Creek Ct., 7' N. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---	1-1/4" Bituminous concrete - surface	Full
1 ---		
2 ---		
3 ---	2-0" Bituminous concrete - binder	Full
4 ---		
5 ---		
6 ---	3-3/4" Bituminous concrete - binder	Full
7 ---		
8 ---		
9 ---	6-3/4" Crushed limestone with fines	Partial
10 ---		
11 ---		
12 ---	Total 13-3/4"	
13 ---		
14 ---		
15 ---	E.O.C.	
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		

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CORE LOG

Client: Village of Buffalo Grove Reference: Rolling Hills Street Resurfacing
Buffalo Grove, IL

Core No.: 6 Work Done By: AQ & CS

Location of Core: 3040 Roslyn Ln., 9' N. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/4" Bituminous concrete - surface	Full
2 ---	2-0" Bituminous concrete - binder	Full
3 ---		
4 ---		
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	13-1/2" Crushed gravel with fines	Partial
11 ---		
12 ---		
13 ---		
14 ---		
15 ---		
16 ---		
17 ---	Total 16-3/4"	
18 ---	E.O.C.	
19 ---		
20 ---		

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CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills Street Resurfacing
Buffalo Grove, IL

Core No: 7 Work Done By: AQ & CS

Location of Core: 2975 Roslyn Ln., 9' N. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 --		
1 --	1-1/4" Bituminous concrete - surface (failed)	Partial
2 --		no bond
3 --	2-1/4" Bituminous concrete - binder (failed)	Partial
4 --		
5 --		
6 --		
7 --		
8 --		
9 --	11-1/4" Crushed gravel with fines	Partial
10 --		
11 --		
12 --		
13 --		
14 --		
15 --	E.O.C. Total 14-3/4"	
16 --		
17 --		
18 --		
19 --		
20 --		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/15/24

File No.: 28135

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills Street Resurfacing Buffalo Grove, IL

Core No: 8 Work Done By: AQ & CS

Location of Core: 2920 Roslyn Ln., 9' W. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---		
2 ---	2-1/4 Bituminous concrete - surface	Full
3 ---		no bond
4 ---	2-1/2" Bituminous concrete - binder (failed)	Partial
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---		
11 ---	11-3/4" Crushed & uncrushed gravel with fines	Partial
12 ---		
13 ---		
14 ---		
15 ---		
16 ---	Total 16-1/2"	
17 ---	E.O.C.	
18 ---		
19 ---		
20 ---		

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills Street Resurfacing
Buffalo Grove, IL

Core No: 9 Work Done By: AQ & CS

Location of Core: 2845 Roslyn Ln., 7' E. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-0" Bituminous concrete - surface	Full
2 ---	2-0" Bituminous concrete - binder	Full
3 ---		
4 ---		
5 ---		
6 ---		
7 ---		
8 ---		
9 ---	13-0" Crushed gravel with fines	Partial
10 ---		
11 ---		
12 ---		
13 ---		
14 ---		
15 ---		
16 ---	Total 16-0"	
17 ---	E.O.C.	
18 ---		
19 ---		
20 ---		

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills Street Resurfacing
Buffalo Grove, IL
Core No: 10 Work Done By: AQ & CS
Location of Core: 2885 Roslyn Ct., 6' S. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - surface	Full
2 ---	1-0" Bituminous concrete - surface	Full
3 ---		
4 ---	2-0" Bituminous concrete - binder	Full
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	11-3/4" Crushed gravel with fines	Partial
11 ---		
12 ---		
13 ---		
14 ---		
15 ---		
16 ---		
17 ---	E.O.C. Total 16-1/4"	
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/15/24

File No.: 28135

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Rolling Hills Street Resurfacing
Buffalo Grove, IL

Core No: 11 Work Done By: AQ & CS

Location of Core: 23007 N. Easton Ave., 8' N. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 --		
1 --	1-3/4" Bituminous concrete - surface	Full
2 --		
3 --	2-3/4" Bituminous concrete - binder	Full
4 --		
5 --		
6 --		
7 --		
8 --	6-0" Crushed & uncrushed gravel with fines	Partial
9 --		
10 --		
11 --	E.O.C. Total 10-1/2"	
12 --		
13 --		
14 --		
15 --		
16 --		
17 --		
18 --		
19 --		
20 --		

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference: Rolling Hills Street Resurfacing Buffalo Grove, IL

Core No: 12 Work Done By: AQ & CS

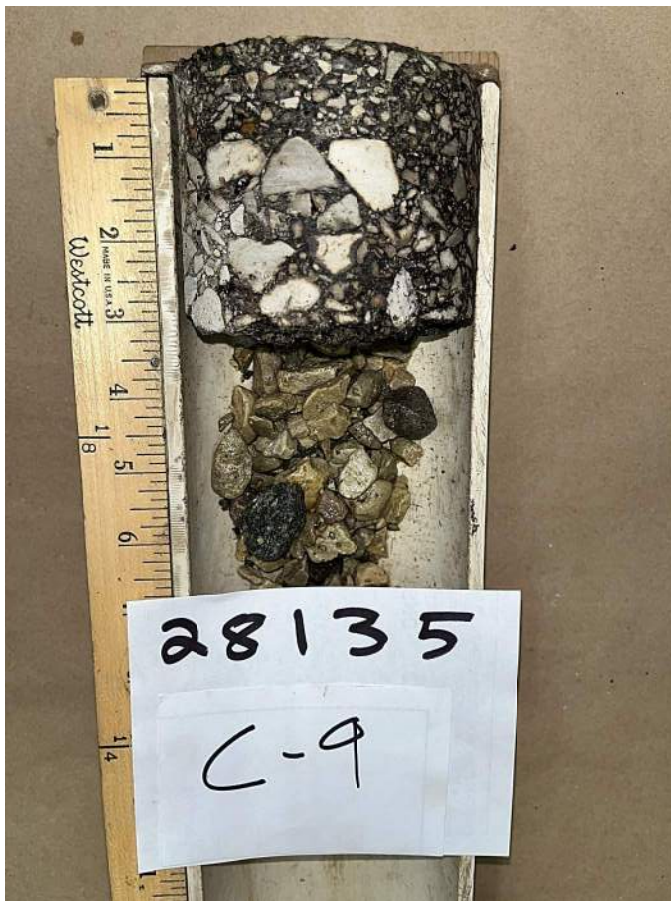
Location of Core: 111' N. of Half Day Rd. (on N. Easton Ave.), 6' E. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 --		
1 --	1-1/2" Bituminous concrete - surface	Full
2 --	Petromat	
3 --	2-0" Bituminous concrete - surface	Full
4 --	1-1/4" Bituminous concrete - surface	no bond
5 --		no bond
6 --	2-0" Bituminous concrete - surface	Full
7 --		
8 --		
9 --		
10 --		
11 --	10-3/4" Crushed & uncrushed gravel with fines	Partial
12 --		
13 --		
14 --		
15 --		
16 --		
17 --		
18 --	E.O.C. Total 17-1/2"	
19 --		
20 --		









AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 9.b. O-2025-18

Ordinance Authorizing a Contract with Bolder Contractors for the 2025 Mill Creek Street & Utility Project

Contacts

Liaison: Trustee Stein

Staff: Kyle Johnson

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve an Ordinance authorizing the execution of a Contract with Bolder Contractors for the 2025 Mill Creek Street & Utility Project, pending final review by the Village Attorney.

Summary

Recommendation

Staff recommends that the Village Board authorize the Village President to execute a contract with Bolder Contractors, Inc for the 2025 Mill Creek Street & Utility Project in an amount not to exceed \$2,638,515.00, which includes alternate 1 and a 10% Village controlled contingency, pending final review and approval by the Village Attorney.

Background

The 2025 Mill Creek Street & Utility Project was advertised for bids and opened on January 9th, 2025. The Village receive 10 bids at that time. The lowest, qualified bid was in the amount of \$2,398,650.00 from Bolder Contractors, Inc. A contingency of 10% is requested with this award bringing the total contract amount to \$2,638,515.00.

The project includes water main replacement, storm sewer improvements, sanitary sewer repairs, spot curb and sidewalk replacement and full roadway asphalt replacement. The project focuses on starting Infrastructure Modernization Program work within the Mill Creek neighborhood on Crofton Lane and Greenridge Road, however some work will also take place on Dundee Road taking advantage of the project proximity and recent connection near Bison Crossing.

Attached is a copy of the Tabulation of Bids for the project indicating the lowest, total qualified

bid of \$2,398,650.00 from Bolder Contractors, Inc. Also demonstrated in the attachment is an engineer's estimate of \$2,916,905.00. This project represents a significant bulk of the Village's effort toward water main replacement rehabilitation in 2025, with the project starting in February and ending in July.

Strategic Alignment

Guiding Principle

Principle 3: Plan and Invest in the Future

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

1. Draft Ordinance - Mill Creek Award
2. Bid Recommendation - Mill Creek
3. Bid Tabulation - Mill Creek
4. Mill Creek Contract





ORDINANCE 2025-xxx

AN ORDINANCE AUTHORIZING A CONSTRUCTION CONTRACT WITH BOLDER CONTRACTORS, INC. FOR THE 2025 MILL CREEK STREET & UTILITY PROJECT

WHEREAS the Village of Buffalo Grove is a home rule unit pursuant to the Illinois Constitution of 1970; and

WHEREAS the Village seeks to enter into a contract with Bolder Contractors, Inc. for the 2025 Mill Creek Street & Utility Project,

NOW THEREFORE BE IT ORDAINED by the President and Board of Trustees of the Village of Buffalo Grove, Cook and Lake Counties, Illinois, as follows:

SECTION 1. The foregoing recitals are hereby adopted and incorporated and made a part of this Ordinance as if fully set forth herein.

SECTION 2. The Village President is authorized to execute a contract with Bolder Contractors, Inc. for the 2025 Mill Creek Street & Utility Project at a price not to exceed \$2,638,515.00, pending attorney review.

SECTION 3. If any section, paragraph, clause or provision of this Ordinance shall be held invalid, the invalidity thereof shall not affect any other provision of this Ordinance.

SECTION 4. This Ordinance shall be in full force and effect from and after its passage and approval and shall not be codified.

AYES: _____
NAYES: _____
ABSENT: _____
PASSED: _____, 2025
APPROVED: _____, 2025
PUBLISHED: _____, 2025

ATTEST:

APPROVED:

Janet M. Sirabian, Village Clerk

Eric N. Smith, Village President

January 13, 2025

Mr. Adam Dow
Civil Engineer II
Village of Buffalo Grove
1650 Leider Lane
Buffalo Grove, Illinois 60089



625 Forest Edge Drive, Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701

www.gha-engineers.com

Re: 2025 Mill Creek Street & Utility Improvements
VoBG-2024-27
Bid Results and Recommendation for Award

Dear Mr. Dow:

On Thursday, January 9, 2025, bid proposals for the above referenced project were received, opened, and publicly read aloud via a Microsoft Teams video conference. This project includes water main and roadway improvements on Dundee Road, Crofton Lane, and Greenridge Road within the Mill Creek Subdivision.

As directed, the work considered was separated into a 'base bid' and an 'alternate'. Thus, two separate bid schedules were received from each contractor. Most of the proposed work was included in the base bid, and the extension of the project limits along Greenridge Road to Mill Creek Drive was included as alternate 01.

Bid documents were solicited and available to contractors on the Village's website, and bids were received by ten (10) contractors. As-read, the combined bid amounts ranged from \$2,398,650.00 to \$4,373,106.33; the Engineer's Opinion of Probable Cost (EOPC) was \$2,916,905.00. The as-read low bid of \$2,398,650.00 was received from Bolder Contractors, Inc. of Cary, Illinois. The bids for the base bid ranged from \$2,160,307.00 to \$3,993,878.75; the EOPC was \$2,636,075.00. The bids for alternate 01 ranged from \$238,343.00 to \$439,037.28; the EOPC was \$280,830.00.

Bolder Contractors, Inc. is an IDOT prequalified firm and has the experience and means to perform the work in accordance with the plans and specifications.

We recommend that the Village Board authorize the award of a construction contract for the 2024 Mill Creek Street & Utility Improvements to Bolder Contractors, Inc. in the amount of \$2,398,650.00. This includes the award of the base bid, and alternate 01.

If you have any questions or require additional information regarding the above, please do not hesitate to contact me at (847) 821-6271 or by email at plind@gha-engineers.com.

Sincerely,
GEWALT HAMILTON ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read 'Peter C. Lind'.

Peter C. Lind, PE
Senior Project Manager I

Encl.: Bid Summary

CC: Tom Wisniewski – Village of Buffalo Grove
Kyle Johnson, PE, CFM – Gewalt Hamilton Associates, Inc.
Leo Morand, PE – Gewalt Hamilton Associates, Inc.
Brian Wesolowski, PE, CFM – Gewalt Hamilton Associates, Inc.

Client: Village of Buffalo Grove
Project: 2025 Mill Creek Street & Utility Improvements
GHA Project No: 4798.074

Project Manager: Peter Lind, P.E.
Bid Opening Date: 1/9/2025
Bid Opening Location: Virtual

Engineer's Opinion of Probable Cost						Bolder Contractors, Inc.		Berger Contractors, Inc.		Joel Kennedy Constructing Corp.		PirTano Construction Company, LLC		Marlam Construction, Inc.		Schroeder Asphalt Services, Inc.		A Lamp Concrete Contractors, Inc.		Copenhaver Construction		Everlast Blacktop Inc.		Swallow Construction Corporation	
Item No.	Description	Qty	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	TREE TRUNK PROTECTION	82.0	EA	\$100.00	\$8,200.00	\$80.00	\$6,560.00	\$175.00	\$14,350.00	\$150.00	\$12,300.00	\$103.00	\$8,446.00	\$135.20	\$11,086.40	\$210.00	\$17,220.00	\$130.00	\$10,660.00	\$150.00	\$12,300.00	\$140.00	\$11,480.00	\$500.00	\$41,000.00
2	TREE ROOT PRUNING	56.0	EA	\$100.00	\$5,600.00	\$70.00	\$3,920.00	\$90.00	\$5,040.00	\$60.00	\$3,360.00	\$40.00	\$2,240.00	\$62.40	\$3,494.40	\$125.00	\$7,000.00	\$66.00	\$3,696.00	\$150.00	\$8,400.00	\$80.00	\$4,480.00	\$150.00	\$8,400.00
3	TREE REMOVAL (OVER 15 UNITS DIAMETER)	70.0	UNIT	\$100.00	\$7,000.00	\$40.00	\$2,800.00	\$35.00	\$2,450.00	\$110.00	\$7,700.00	\$103.00	\$7,210.00	\$114.40	\$8,008.00	\$110.00	\$7,700.00	\$110.00	\$7,700.00	\$100.00	\$7,000.00	\$120.00	\$8,400.00	\$125.00	\$8,750.00
4	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	280.0	CY	\$45.00	\$12,600.00	\$33.00	\$9,240.00	\$55.55	\$15,554.00	\$35.00	\$9,800.00	\$55.00	\$15,400.00	\$46.44	\$13,003.20	\$60.00	\$16,800.00	\$25.00	\$7,000.00	\$30.00	\$8,400.00	\$40.00	\$11,200.00	\$25.00	\$7,000.00
5	TRENCH BACKFILL, COARSE AGGREGATE, CA-11 (SPECIAL)	2,300.0	CY	\$25.00	\$57,500.00	\$60.00	\$138,000.00	\$0.01	\$23.00	\$1.00	\$2,300.00	\$101.00	\$232,300.00	\$84.00	\$193,200.00	\$1.50	\$3,450.00	\$60.00	\$138,000.00	\$0.01	\$23.00	\$28.00	\$64,400.00	\$42.00	\$96,600.00
6	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	8,350.0	SY	\$5.00	\$41,750.00	\$1.00	\$8,350.00	\$2.40	\$20,040.00	\$2.00	\$16,700.00	\$4.00	\$33,400.00	\$2.00	\$16,700.00	\$2.00	\$16,700.00	\$3.00	\$25,050.00	\$3.00	\$25,050.00	\$2.00	\$16,700.00	\$2.50	\$20,875.00
7	GENERAL LANDSCAPE RESTORATION (SPECIAL)	3,710.0	SY	\$15.00	\$55,650.00	\$10.00	\$37,100.00	\$12.25	\$45,447.50	\$14.00	\$51,940.00	\$11.00	\$40,810.00	\$9.46	\$35,096.60	\$18.00	\$66,780.00	\$21.00	\$77,910.00	\$8.00	\$29,680.00	\$7.00	\$25,970.00	\$12.00	\$44,520.00
8	MOWING (SPECIAL)	2.0	EA	\$700.00	\$1,400.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$500.00	\$1,000.00	\$572.00	\$1,144.00	\$1,040.00	\$2,080.00	\$1,600.00	\$3,200.00	\$500.00	\$1,000.00	\$1,000.00	\$1,000.00	\$2,000.00	\$500.00	\$1,000.00	\$2,750.00
9	SUPPLEMENTAL WATERING	13.0	UN	\$100.00	\$1,300.00	\$100.00	\$1,300.00	\$100.00	\$1,300.00	\$20.00	\$260.00	\$114.00	\$1,482.00	\$150.80	\$1,960.40	\$45.00	\$585.00	\$1.00	\$13.00	\$0.01	\$0.13	\$10.00	\$13.00	\$1.00	\$13.00
10	TEMPORARY EROSION CONTROL SEEDING (SPECIAL)	3,710.0	SY	\$1.00	\$3,710.00	\$0.25	\$927.50	\$1.10	\$4,081.00	\$0.10	\$371.00	\$1.00	\$3,710.00	\$0.78	\$2,893.80	\$1.35	\$5,008.50	\$0.10	\$371.00	\$1.00	\$3,710.00	\$2.00	\$7,420.00	\$12.00	\$44,520.00
11	TEMPORARY MULCH METHOD 3A (SPECIAL)	3,710.0	SY	\$1.50	\$5,565.00	\$0.25	\$927.50	\$1.90	\$7,049.00	\$0.10	\$371.00	\$2.00	\$7,420.00	\$1.14	\$4,229.40	\$2.15	\$7,978.50	\$0.10	\$371.00	\$1.00	\$3,710.00	\$3.00	\$11,130.00	\$2.00	\$7,420.00
12	INLET FILTERS	24.0	EA	\$200.00	\$4,800.00	\$50.00	\$1,200.00	\$225.00	\$5,400.00	\$275.50	\$6,600.00	\$257.00	\$6,168.00	\$182.00	\$4,368.00	\$195.00	\$4,680.00	\$15.00	\$360.00	\$230.00	\$5,520.00	\$125.00	\$3,000.00	\$350.00	\$8,400.00
13	AGGREGATE SUBGRADE IMPROVEMENT	280.0	CY	\$65.00	\$18,200.00	\$56.00	\$15,680.00	\$80.00	\$22,400.00	\$35.00	\$9,800.00	\$94.00	\$26,320.00	\$78.89	\$22,089.20	\$75.00	\$21,000.00	\$50.00	\$14,000.00	\$45.00	\$13,440.00	\$50.00	\$14,000.00	\$87.00	\$24,360.00
14	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	3,290.0	TN	\$35.00	\$115,150.00	\$1.00	\$3,290.00	\$42.00	\$138,180.00	\$51.00	\$167,790.00	\$56.00	\$184,240.00	\$37.05	\$121,894.50	\$35.00	\$115,150.00	\$52.00	\$171,080.00	\$40.00	\$131,600.00	\$38.00	\$125,020.00	\$80.00	\$263,200.00
15	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE BASE COURSE, 12"	320.0	SY	\$150.00	\$48,000.00	\$90.00	\$28,800.00	\$60.00	\$19,200.00	\$165.00	\$52,800.00	\$98.00	\$31,360.00	\$104.18	\$33,337.60	\$155.00	\$49,600.00	\$158.00	\$50,560.00	\$170.00	\$54,000.00	\$180.00	\$57,600.00	\$150.00	\$48,000.00
16	REINFORCEMENT BARS (EPOXY COATED)	410.0	LB	\$2.25	\$922.50	\$3.00	\$1,230.00	\$6.00	\$2,460.00	\$6.50	\$2,665.00	\$8.00	\$3,280.00	\$4.00	\$1,640.00	\$8.10	\$3,321.00	\$15.00	\$6,150.00	\$7.00	\$2,870.00	\$14.00	\$5,740.00	\$15.00	\$6,150.00
17	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1.75"	35.0	TN	\$300.00	\$10,500.00	\$238.00	\$8,330.00	\$238.00	\$8,330.00	\$350.00	\$12,250.00	\$272.00	\$9,520.00	\$254.68	\$8,913.80	\$250.00	\$8,750.00	\$262.00	\$9,170.00	\$330.00	\$11,550.00	\$420.00	\$14,700.00	\$245.00	\$8,575.00
18	HOT-MIX ASPHALT BINDER COURSE (SPECIAL)	1,255.0	TN	\$90.00	\$112,950.00	\$83.00	\$104,165.00	\$82.45	\$103,474.75	\$80.00	\$100,400.00	\$94.00	\$117,970.00	\$88.23	\$110,728.65	\$95.00	\$119,225.00	\$91.00	\$114,205.00	\$102.00	\$128,010.00	\$115.00	\$144,325.00	\$85.00	\$106,675.00
19	HOT-MIX ASPHALT SURFACE COURSE (SPECIAL)	1,004.0	TN	\$95.00	\$95,380.00	\$81.00	\$81,324.00	\$80.75	\$81,073.00	\$83.00	\$83,332.00	\$92.00	\$92,368.00	\$86.41	\$86,755.64	\$105.00	\$105,420.00	\$89.00	\$89,356.00	\$130.00	\$130,520.00	\$110.00	\$110,440.00	\$83.00	\$83,332.00
20	CLASS D PATCHES, TYPE III, 5 INCH	25.0	SY	\$75.00	\$1,875.00	\$60.00	\$1,500.00	\$64.55	\$1,613.75	\$250.00	\$6,250.00	\$43.00	\$1,075.00	\$101.56	\$2,539.00	\$85.00	\$2,125.00	\$106.00	\$2,650.00	\$220.00	\$5,500.00	\$85.00	\$2,125.00	\$158.00	\$3,950.00
21	BITUMINOUS MATERIALS (TACK COAT)	2,200.0	LB	\$1.00	\$2,200.00	\$0.01	\$22.00	\$0.01	\$22.00	\$0.01	\$22.00	\$0.01	\$22.00	\$0.01	\$22.00	\$0.01	\$22.00	\$0.01	\$22.00	\$1.00	\$2,200.00	\$0.50	\$1,100.00	\$0.01	\$22.00
22	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	410.0	SY	\$110.00	\$45,100.00	\$70.00	\$28,700.00	\$82.00	\$33,620.00	\$115.00	\$47,150.00	\$74.00	\$30,340.00	\$84.88	\$34,800.80	\$100.00	\$41,000.00	\$107.00	\$43,870.00	\$130.00	\$53,300.00	\$130.00	\$53,300.00	\$101.75	\$41,717.50
23	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	5,030.0	SF	\$15.00	\$75,450.00	\$10.00	\$50,300.00	\$13.00	\$65,390.00	\$14.00	\$70,420.00	\$11.00	\$55,330.00	\$12.17	\$61,215.10	\$11.00	\$55,330.00	\$10.75	\$54,072.50	\$17.00	\$85,510.00	\$12.50	\$62,875.00	\$11.50	\$57,845.00
24	DETECTABLE WARNINGS (FURNISHED BY OTHERS) (SPECIAL)	60.0	SF	\$75.00	\$4,500.00	\$30.00	\$1,800.00	\$12.00	\$720.00	\$50.00	\$3,000.00	\$32.00	\$1,920.00	\$19.27	\$1,156.20	\$43.00	\$2,580.00	\$20.00	\$1,200.00	\$30.00	\$1,800.00	\$50.00	\$3,000.00	\$60.00	\$3,600.00
25	STABILIZED CONSTRUCTION ENTRANCE	700.0	SY	\$5.00	\$3,500.00	\$9.00	\$6,300.00	\$0.01	\$7.00	\$10.00	\$7,000.00	\$21.00	\$14,700.00	\$34.23	\$23,961.00	\$38.00	\$26,600.00	\$10.00	\$7,000.00	\$30.00	\$21,000.00	\$31.00	\$21,700.00	\$38.00	\$26,600.00
26	PAVEMENT REMOVAL (SPECIAL)	8,390.0	SY	\$8.00	\$67,120.00	\$8.00	\$67,120.00	\$13.25	\$111,167.50	\$15.00	\$125,850.00	\$26.00	\$218,140.00	\$28.13	\$236,010.70	\$12.50	\$104,875.00	\$25.00	\$209,750.00	\$24.00	\$201,360.00	\$14.00	\$117,460.00	\$40.00	\$335,600.00
27	DRIVEWAY PAVEMENT REMOVAL (SPECIAL)	410.0	SY	\$15.00	\$6,150.00	\$14.00	\$5,740.00	\$11.00	\$4,510.00	\$20.00	\$8,200.00	\$25.00	\$10,250.00	\$32.11	\$13,165.10	\$20.00	\$8,200.00	\$20.00	\$8,200.00	\$20.00	\$8,200.00	\$18.00	\$7,380.00		

Client:

Village of Buffalo Grove

Project:

2025 Mill Creek Street & Utility Improvements

GHA Project No:

4798.074

Project Manager:

Peter Lind, P.E.

Bid Opening Date:

1/9/2025

Bid Opening Location:

Virtual

				Engineer's Opinion of Probable Cost		BID TABULATION																			
						Bolder Contractors, Inc.		Berger Contractors, Inc.		Joel Kennedy Constructing Corp.		PirTano Construction Company, LLC		Martam Construction, Inc.		Schroeder Asphalt Services, Inc.		A Lamp Concrete Contractors, Inc.		Copenhaver Construction		Everlast Blacktop Inc.		Swallow Construction Corporation	
Item No.	Description	Qty	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
99	ABANDON EXISTING WATER MAIN (SPECIAL)	65.0	CY	\$200.00	\$13,000.00	\$250.00	\$16,250.00	\$375.00	\$24,375.00	\$230.00	\$14,950.00	\$638.00	\$41,470.00	\$520.00	\$33,800.00	\$330.00	\$21,450.00	\$200.00	\$13,000.00	\$350.00	\$22,750.00	\$315.00	\$20,475.00	\$965.50	\$62,757.50
100	TEMPORARY PAVEMENT (SPECIAL)	20.0	TN	\$185.00	\$3,700.00	\$300.00	\$6,000.00	\$200.00	\$4,000.00	\$300.00	\$6,000.00	\$572.00	\$11,440.00	\$312.00	\$6,240.00	\$850.00	\$17,000.00	\$150.00	\$3,000.00	\$160.00	\$3,200.00	\$300.00	\$6,000.00	\$300.00	\$6,000.00
101	REMOVE AND REINSTALL EXISTING SIGN (SPECIAL)	1.0	EA	\$250.00	\$250.00	\$900.00	\$900.00	\$450.00	\$450.00	\$550.00	\$550.00	\$572.00	\$572.00	\$520.00	\$520.00	\$5,000.00	\$5,000.00	\$300.00	\$300.00	\$700.00	\$700.00	\$500.00	\$500.00	\$500.00	\$500.00
102	TEMPORARY INFORMATION SIGNING	200.0	SF	\$10.00	\$2,000.00	\$14.00	\$2,800.00	\$14.00	\$2,800.00	\$20.00	\$4,000.00	\$23.00	\$4,600.00	\$20.80	\$4,160.00	\$20.00	\$4,000.00	\$25.00	\$5,000.00	\$20.00	\$4,000.00	\$19.00	\$3,800.00	\$20.00	\$4,000.00
Total Base Bid:				\$2,636,075.00		\$2,160,307.00		\$2,501,404.53		\$2,562,799.00		\$2,812,748.00		\$3,177,182.68		\$3,556,166.00		\$3,584,950.00		\$3,268,018.13		\$3,934,069.05		\$3,993,878.75	
1	TREE TRUNK PROTECTION	15.0	EA	\$100.00	\$1,500.00	\$150.00	\$2,250.00	\$175.00	\$2,625.00	\$150.00	\$2,250.00	\$103.00	\$1,545.00	\$135.20	\$2,028.00	\$210.00	\$3,150.00	\$130.00	\$1,950.00	\$150.00	\$2,250.00	\$125.00	\$1,875.00	\$500.00	\$7,500.00
2	TREE ROOT PRUNING	10.0	EA	\$100.00	\$1,000.00	\$90.00	\$900.00	\$90.00	\$900.00	\$90.00	\$900.00	\$60.00	\$600.00	\$62.40	\$624.00	\$175.00	\$1,750.00	\$60.00	\$600.00	\$150.00	\$1,500.00	\$200.00	\$2,000.00	\$150.00	\$1,500.00
3	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	40.0	CY	\$45.00	\$1,800.00	\$33.00	\$1,320.00	\$56.00	\$2,240.00	\$35.00	\$1,400.00	\$55.00	\$2,200.00	\$46.43	\$1,857.20	\$60.00	\$2,400.00	\$25.00	\$1,000.00	\$40.00	\$1,600.00	\$50.00	\$2,000.00	\$25.00	\$1,000.00
4	TRENCH BACKFILL, COARSE AGGREGATE, CA-11 (SPECIAL)	360.0	CY	\$25.00	\$9,000.00	\$60.00	\$21,600.00	\$0.01	\$3.60	\$1.00	\$360.00	\$101.00	\$36,360.00	\$104.43	\$37,594.80	\$2.00	\$720.00	\$60.00	\$21,600.00	\$0.01	\$3.60	\$60.00	\$21,600.00	\$42.00	\$15,120.00
5	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	1,130.0	SY	\$5.00	\$5,650.00	\$1.00	\$1,130.00	\$2.55	\$2,881.50	\$2.00	\$2,260.00	\$4.00	\$4,520.00	\$3.51	\$3,966.30	\$2.00	\$2,260.00	\$3.00	\$3,390.00	\$3.00	\$3,390.00	\$2.00	\$2,260.00	\$2.50	\$2,825.00
6	GENERAL LANDSCAPE RESTORATION (SPECIAL)	320.0	SY	\$15.00	\$4,800.00	\$10.00	\$3,200.00	\$15.00	\$4,800.00	\$14.00	\$4,480.00	\$11.00	\$3,520.00	\$9.46	\$3,027.20	\$18.00	\$5,760.00	\$21.00	\$6,720.00	\$11.00	\$3,520.00	\$8.00	\$2,560.00	\$12.00	\$3,840.00
7	MOWING (SPECIAL)	0.5	EA	\$700.00	\$350.00	\$900.00	\$450.00	\$500.00	\$250.00	\$250.00	\$125.00	\$62.50	\$31.25	\$1,040.00	\$520.00	\$1,040.00	\$800.00	\$500.00	\$250.00	\$2,000.00	\$1,000.00	\$1,000.00	\$500.00	\$2,500.00	
8	SUPPLEMENTAL WATERING	1.0	UN	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$100.00	\$20.00	\$20.00	\$114.00	\$114.00	\$150.80	\$150.80	\$45.00	\$45.00	\$1.00	\$1.00	\$0.01	\$0.01	\$1.00	\$1.00
9	TEMPORARY EROSION CONTROL SEEDING (SPECIAL)	320.0	SY	\$1.00	\$320.00	\$0.25	\$80.00	\$1.10	\$352.00	\$0.10	\$32.00	\$1.00	\$320.00	\$0.78	\$249.60	\$1.35	\$432.00	\$0.10	\$32.00	\$1.00	\$320.00	\$2.00	\$640.00	\$12.00	\$3,840.00
10	TEMPORARY MULCH METHOD 3A (SPECIAL)	320.0	SY	\$1.50	\$480.00	\$0.25	\$80.00	\$1.90	\$608.00	\$0.10	\$32.00	\$2.00	\$640.00	\$1.14	\$364.80	\$2.15	\$688.00	\$0.10	\$32.00	\$1.00	\$320.00	\$4.00	\$1,280.00	\$2.00	\$640.00
11	INLET FILTERS	2.0	EA	\$200.00	\$400.00	\$50.00	\$100.00	\$245.00	\$490.00	\$275.00	\$550.00	\$257.00	\$514.00	\$182.00	\$364.00	\$200.00	\$400.00	\$15.00	\$30.00	\$200.00	\$400.00	\$200.00	\$400.00	\$350.00	\$700.00
12	AGGREGATE SUBGRADE IMPROVEMENT	40.0	CY	\$65.00	\$2,600.00	\$56.00	\$2,240.00	\$142.00	\$5,680.00	\$35.00	\$1,400.00	\$94.00	\$3,760.00	\$66.39	\$2,655.60	\$80.00	\$3,200.00	\$50.00	\$2,000.00	\$50.00	\$2,000.00	\$60.00	\$2,400.00	\$87.00	\$3,480.00
13	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	440.0	TN	\$35.00	\$15,400.00	\$1.00	\$440.00	\$44.00	\$19,360.00	\$51.00	\$22,440.00	\$56.00	\$24,640.00	\$40.22	\$17,696.80	\$40.00	\$17,600.00	\$53.00	\$23,320.00	\$40.00	\$17,600.00	\$45.00	\$19,800.00	\$80.00	\$35,200.00
14	HOT-MIX ASPHALT BINDER COURSE (SPECIAL)	170.0	TN	\$90.00	\$15,300.00	\$79.00	\$13,430.00	\$78.75	\$13,387.50	\$80.00	\$13,600.00	\$94.00	\$15,980.00	\$84.27	\$14,325.90	\$110.00	\$18,700.00	\$87.00	\$14,790.00	\$105.00	\$17,850.00	\$140.00	\$23,800.00	\$85.00	\$14,450.00
15	HOT-MIX ASPHALT SURFACE COURSE (SPECIAL)	136.0	TN	\$95.00	\$12,920.00	\$80.00	\$10,880.00	\$80.30	\$10,920.80	\$83.00	\$11,288.00	\$92.00	\$12,512.00	\$85.93	\$11,686.48	\$120.00	\$16,320.00	\$88.50	\$12,036.00	\$115.00	\$15,640.00	\$145.00	\$19,720.00	\$83.00	\$11,288.00
16	BITUMINOUS MATERIALS (TACK COAT)	300.0	LB	\$1.00	\$300.00	\$0.01	\$3.00	\$0.01	\$3.00	\$0.01	\$3.00	\$0.01	\$3.00	\$0.01	\$3.00	\$0.01	\$3.00	\$0.01	\$3.00	\$0.01	\$3.00	\$2.00	\$600.00	\$0.01	\$3.00
17	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	70.0	SY	\$110.00	\$7,700.00	\$70.00	\$4,900.00	\$67.00	\$4,690.00	\$115.00	\$8,050.00	\$74.00	\$5,180.00	\$84.87	\$5,940.90	\$120.00	\$8,400.00	\$107.00	\$7,490.00	\$140.00	\$9,800.00	\$118.00	\$8,260.00	\$115.00	\$8,050.00
18	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	480.0	SF	\$15.00	\$7,200.00	\$11.00	\$5,280.00	\$13.00	\$6,240.00	\$14.00	\$6,720.00	\$11.00	\$5,280.00	\$9.84	\$4,723.20	\$11.50	\$5,520.00	\$10.75	\$5,160.00	\$18.00	\$8,640.00	\$14.00	\$6,720.00	\$24.00	\$11,520.00
19	PAVEMENT REMOVAL (SPECIAL)	1,090.0	SY	\$8.00	\$8,720.00	\$8.00	\$8,720.00	\$14.00	\$15,260.00	\$15.00	\$16,350.00	\$26.00	\$28,340.00	\$28.13	\$30,661.70	\$18.00	\$19,620.00	\$25.00	\$27,250.00	\$20.00	\$20,000.00	\$20.00	\$20,000.00	\$40.00	\$43,600.00
20	DRIVEWAY PAVEMENT REMOVAL (SPECIAL)	70.0	SY	\$15.00	\$1,050.00	\$14.00	\$980.00	\$13.00	\$910.00	\$20.00	\$1,400.00	\$25.00	\$1,750.00	\$32.11	\$2,247.70	\$25.00	\$1,750.00	\$20.00	\$1,400.00	\$20.00	\$1,400.00	\$19.00	\$1,330.00	\$3.60	\$252.00
21	COMBINATION CURB AND GUTTER REMOVAL	130.0	FT	\$8.00	\$1,040.00	\$9.00	\$1,170.00	\$5.00	\$650.00	\$6.00	\$780.00	\$22.00	\$2,640.00	\$9.21	\$1,197.30	\$20.00	\$2,000.00	\$9.25	\$1,202.50	\$10.00	\$1,300.00	\$12.00	\$1,560.00	\$3.00	\$390.00
22	SIDEWALK REMOVAL	480.0	SF	\$3.00	\$1,440.00	\$2.00	\$960.00	\$1.15	\$552.00	\$1.50	\$720.00	\$5.00	\$2,400.00	\$2.33	\$1,118.40	\$5.00	\$2,400.00	\$2.50	\$1,200.00	\$5.00	\$2,400.00	\$3.00	\$1,440.00	\$2.00	\$960.00
23	WATER MAIN, 6"	5.0	FT	\$130.00	\$650.00	\$120.00	\$600.00	\$215.00	\$1,075.00	\$110.00	\$550.00	\$296.00	\$1,480.00	\$142.45	\$712.25	\$225.00	\$1,125.00	\$415.00	\$2,075.00	\$500.00	\$2,500.00	\$174.00	\$870.00	\$235.00	\$1,175.00
24	WATER MAIN 8" (FURNISHED BY OTHERS) (SPECIAL)	400.0	FT	\$120.00	\$48,000.00	\$120.00	\$48,000.00	\$150.00	\$60,000.00	\$112.00	\$44,800.00	\$89.00	\$35,600.00	\$117.71	\$47,084.00	\$225.00	\$90,000.00	\$135.00	\$54,000.00	\$130.00	\$52,000.00	\$120.00	\$48,000.00	\$215.00	\$86,000.00
25	WATER VALVES, 8"	1.0	EA	\$3,500.00	\$3,500.00	\$5,000.00	\$5,000.00	\$3,200.00	\$3,200.00	\$2,500.00	\$2,500.00	\$2,264.00	\$2,264.00	\$2,884.69	\$2,884.69	\$6,000.00	\$6,000.00	\$2,850.00	\$2,850.00	\$3,500.00	\$3,500.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00
26	FIRE HYDRANTS TO BE REMOVED (SPECIAL)	1.0	EA	\$600.00	\$600.00	\$600.00	\$600.00	\$1,000.00	\$1,000.00	\$500.00	\$500.00	\$1,080.00	\$1,080.00	\$807.40	\$807.40	\$1,800.00	\$1,800.00	\$800.00	\$800.00	\$3,000.00	\$3,000.00	\$2,000.00	\$2,000.00	\$225.00	\$225.00
27	FIRE HYDRANT ASSEMBLY, COMPLETE (FURNISHED BY OTHERS) (SPECIAL)	2.0	EA	\$6,000.00	\$12,000.00	\$3,000.00	\$6,000.00	\$3,900.00	\$7,800.00	\$7,000.00	\$14,000.00	\$1,274.00	\$2,548.00	\$5,034.00	\$10,068.00	\$4,500.00	\$9,000.00	\$5,275.00	\$10,550.00	\$6,000.00	\$12,000.00	\$10,500.00	\$21,000.00	\$8,500.00	\$17,000.00
28	PIPE UNDERDRAINS, 4" (SPECIAL)	25.0	FT	\$35.00	\$875.00	\$50.00	\$1,250.00	\$32.00	\$800.00	\$35.00	\$875.00	\$22.00	\$550.00	\$28.95	\$723.75	\$46.00	\$1,150.00	\$52.00	\$1,300.00	\$50.00	\$1,250.00	\$60.00	\$1,500.00	\$72.00	\$1,800.00
29	VALVE VAULT, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	1.0	EA	\$5,000.00	\$5,000.00	\$4,000.00	\$4,																		



**Illinois Department
of Transportation**

2025 Mill Creek Street and Utility Project

VoBG-2024-27
**Local Public Agency
Proposal Bid Bond**

Local Public Agency

Village of Buffalo Grove

County

Cook

Section Number

N/A

WE, Bolder Contractors, Inc. - 316 Cary Point Drive, Cary, IL 60013 as PRINCIPAL, and Fidelity and Deposit Company of Maryland, 1299 Zurich Way, 5th Fl, Schaumburg, IL as SURETY, are held jointly, severally and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids, whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LPA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LPA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LPA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the LPA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LPA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this 9th of January, 2025 Day Month and Year

Principal

Company Name

Bolder Contractors, Inc.

Signature & Date

By:

Robert Gwiasda

01/09/2025

Title

President

Company Name

Signature & Date

By:

Title

(If Principal is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be affixed.)

Surety

Name of Surety

Fidelity and Deposit Company of Maryland

Signature of Attorney-in-Fact Signature & Date

By:

01/09/25

James I. Moore - Attorney-in-Fact

, a Notary Public in and for said county do hereby certify that

STATE OF IL

COUNTY OF DuPage

I Sherry L Bacskai

James I. Moore

(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 9th day of January, 2025 Day Month and Year

(SEAL, if required by the LPA)



Notary Public Signature & Date

Sherry L Bacskai

01/09/2025

Date commission expires September 9, 2027

Local Public Agency

County _____

Section Number

Village of Buffalo Grove

Cook

	N/A
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ELECTRONIC BID BOND

☐ Electronic bid bond is allowed (box must be checked by LPA if electronic bid bond is allowed)

The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Bond Form. By providing an electronic bid bond ID code and signing below, the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the LPA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

Electronic Bid Bond ID Code

[illegible]

Company/Bidder Name

--

Signature & Date

Title

--

Bond Number: Bid Bond

Obligee: Village of Buffalo Grove

**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND
POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS: That the ZURICH AMERICAN INSURANCE COMPANY, a corporation of the State of New York, the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, a corporation of the State of Illinois, and the FIDELITY AND DEPOSIT COMPANY OF MARYLAND a corporation of the State of Illinois (herein collectively called the "Companies"), by Robert D. Murray, Vice President, in pursuance of authority granted by Article V, Section 8, of the By-Laws of said Companies, which are set forth on the reverse side hereof and are hereby certified to be in full force and effect on the date hereof, do hereby nominate, constitute, and appoint **James I. Moore**, its true and lawful agent and Attorney-in-Fact, to make, execute, seal and deliver, for, and on its behalf as surety, and as its act and deed: **any and all bonds and undertakings**, and the execution of such bonds or undertakings in pursuance of these presents, shall be as binding upon said Companies, as fully and amply, to all intents and purposes, as if they had been duly executed and acknowledged by the regularly elected officers of the ZURICH AMERICAN INSURANCE COMPANY at its office in New York, New York., the regularly elected officers of the COLONIAL AMERICAN CASUALTY AND SURETY COMPANY at its office in Owings Mills, Maryland., and the regularly elected officers of the FIDELITY AND DEPOSIT COMPANY OF MARYLAND at its office in Owings Mills, Maryland., in their own proper persons.

The said Vice President does hereby certify that the extract set forth on the reverse side hereof is a true copy of Article V, Section 8, of the By-Laws of said Companies, and is now in force.

IN WITNESS WHEREOF, the said Vice-President has hereunto subscribed his/her names and affixed the Corporate Seals of the said **ZURICH AMERICAN INSURANCE COMPANY, COLONIAL AMERICAN CASUALTY AND SURETY COMPANY, and FIDELITY AND DEPOSIT COMPANY OF MARYLAND**, this 10th day of October, A.D. 2023.



ATTEST:
**ZURICH AMERICAN INSURANCE COMPANY
COLONIAL AMERICAN CASUALTY AND SURETY COMPANY
FIDELITY AND DEPOSIT COMPANY OF MARYLAND**

By: *Robert D. Murray*
Vice President

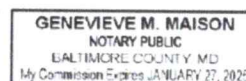
By: *Dawn E. Brown*
Secretary

**State of Maryland
County of Baltimore**

On this 10th day of October, A.D. 2023, before the subscriber, a Notary Public of the State of Maryland, duly commissioned and qualified, **Robert D. Murray, Vice President and Dawn E. Brown, Secretary** of the Companies, to me personally known to be the individuals and officers described in and who executed the preceding instrument, and acknowledged the execution of same, and being by me duly sworn, depose and saith, that he/she is the said officer of the Company aforesaid, and that the seals affixed to the preceding instrument are the Corporate Seals of said Companies, and that the said Corporate Seals and the signature as such officer were duly affixed and subscribed to the said instrument by the authority and direction of the said Corporations.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my Official Seal the day and year first above written.

Genevieve M. Maison



Authenticity of this bond can be confirmed at bondvalidator.zurichna.com or 410-559-8790

ADDENDUM 02
FOR
2025 MILL CREEK STREET & UTILITY PROJECT
VILLAGE OF BUFFALO GROVE, IL
VoBG-2024-27

Date of Addendum: Friday, January 3, 2025
Bid Due Date: 9:30 AM Thursday, January 9, 2025

Description of Addendum:

The following items provide additional clarification and modifications to the bid documents and are made a part of the bid documents for the Village of Buffalo Grove's '2025 Mill Creek Street & Utility Project'. It is the bidder's responsibility to review all bid documents thoroughly in preparation of their bid. Additionally, this addendum shall be attached to the bid proposal.

Plan & Specification Modifications or Clarifications:

1. A revised Schedule of Prices is included with this addendum. This shall replace the respective Schedule of Prices previously included in the bid documents and also that of Addendum 1.

PLEASE NOTE AND INCLUDE THIS ADDENDUM IN YOUR RESPONSE:

PROSPECTIVE RESPONDER: _____

SIGNED: _____

End of Addendum 02

DATE: _____

ADDENDUM 01
FOR
2025 MILL CREEK STREET & UTILITY PROJECT
VILLAGE OF BUFFALO GROVE, IL
VoBG-2024-27

Date of Addendum: Friday, January 3, 2025
Bid Due Date: 9:30 AM Thursday, January 9, 2025

Description of Addendum:

The following items provide additional clarification and modifications to the bid documents and are made a part of the bid documents for the Village of Buffalo Grove's '2025 Mill Creek Street & Utility Project'. It is the bidder's responsibility to review all bid documents thoroughly in preparation of their bid. Additionally, this addendum shall be attached to the bid proposal.

Plan & Specification Modifications or Clarifications:

1. A revised Schedule of Prices is included with this addendum. **This shall replace the respective Schedule of Prices previously included in the bid documents.**
2. A revised plan set is included with this addendum. **This shall replace the respective plan set previously included in the bid documents.**
3. Construction layout will be performed by the Engineer.
4. Frame and grate manufacturers shall be consistent within the project limits as indicated within Exhibit No. 109, unless written approval from the Village and Engineer is provided.

Below are questions we have received from Bidders through January 2, 2025:

5. Comment: Since the Village wont locate the san services, are there video tapes that the Village has that we can review to find service tees?
Response: The Village does not have recent televising reports or tapes of the project area.
6. Comment: Is 12" of bedding stone over the pipe incidental to the watermain pay item?
Response: Yes, per the plans and contract documents.
7. Comment: Did you specify the IDOT bond amount for work on Dundee? Have plans been submitted to IDOT, I am just worried about how long it will take to get a permit.
Response: The project has been submitted to IDOT however the bond amount is unknown at this time.
8. Comment: Is the trench backfill paid for on the sewer replacements?
Response: Yes, per the plans and contract documents.
9. Comment: Is a plumber required for the water service taps?
Response: The Contractor is required to comply with all local, state, and federal requirements as noted on the plans and contract documents regarding the installation of water services.
10. Comment: I understand the binder must be placed within 7 days of pavement removal however there is a significant amount of agg base that needs to be placed before any paving can happen. Can this be revisited and allow us more time before the binder needs to be installed?
Response: No exceptions will be granted at this time.

11. Comment: Does the jacking pit at Dundee require trench backfill and if so is it paid for?

Response: If the Jacking Pit location matches the plans, then the excavated spoils shall be used for trench backfill installation in accordance with the plans and contract documents. This work is considered included in the cost of the respective water main installation pay item(s).

12. Comment: It could be possible to have to do exploratory for utilities under Dundee for the auger although you do not show any utilities there. If this is the case it will be expensive due to the traffic and pavement patch. Can I assume this would be paid for if it is needed?

Response: Exploration Excavations are included within the Bid Form, and if required, respective restoration would be paid for separately.

PLEASE NOTE AND INCLUDE THIS ADDENDUM IN YOUR RESPONSE:

PROSPECTIVE RESPONDER:

Bolder Contractors

SIGNED:

[Signature]

DATE:

1/3/25

End of Addendum 01



COVER SHEET

Proposal Submitted By:

Contractor's Name

Bolder Contractors, Inc.

316 Cary Point Dr.

Contractor's Address

Cary, IL 60013

City

State

Zip Code

Phone 847-236-0785

STATE OF ILLINOIS

Local Public Agency

County

Section Number

Village of Buffalo Grove

Cook

Route(s) (Street/Road Name)

Type of Funds

2025 Mill Creek Street and Utility Project

General (Local)

☐ Proposal Only ☐ Proposal and Plans ☒ Proposal only, plans are separate

Submitted/Approved

For Local Public Agency:

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature & Date

Submitted/Approved

County Engineer/Superintendent of Highways Signature & Date

For a Municipal Project

Submitted/Approved/Passed

Signature & Date

Official Title

Department of Transportation

Released for bid based on limited review

Regional Engineer Signature & Date

Note: All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Buffalo Grove	Cook		2025 Mill Creek Street and Utili

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of www.vbg.org/bids

	Name of Office	
	until 9:30 AM	on 01/09/25
Address	Time	Date

Sealed proposals will be opened and read publicly at the office of a live, online meeting hosted by the Village,

	Name of Office	
https://rb.gy/sa1z5u	at 9:30 AM	on 01/09/25
Address	Time	Date

DESCRIPTION OF WORK

Location	Project Length
Crofton Lane, Greenridge Road, IL 68 Dundee Road	3,988' (0.76 Miles)

Proposed Improvement

Water Main & Service Line Replacement; Storm Sewer Improvements; HMA Pavement Removal and Replacement; Curb & Gutter, and Sidewalk Removal and Replacement at Various Locations; Landscape Restoration; and other associated improvements.

1. Plans and proposal forms will be available in the office of

www.vbg.org/bids
Office of the Purchasing Manager - (847) 459-2500

2. ☒ Prequalification

If checked, the 2 apparent as read low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57) in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and two originals with the IDOT District Office.

3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.

4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:

- Local Public Agency Formal Contract Proposal (BLR 12200)
- Schedule of Prices (BLR 12201)
- Proposal Bid Bond (BLR 12230) (if applicable)
- ~~Apprenticeship or Training Program Certification (BLR 12325) (do not use for project with Federal funds.)~~
- Affidavit of Illinois Business Office (BLR 12326) (do not use for project with Federal funds)

5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.

6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.

7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.

8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.

9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.



Contractor's Name

Bolder Contractors, Inc.

Contractor's Address

316 Cary Point Drive

City

Cary

State

IL

Zip Code

60013

STATE OF ILLINOIS

Local Public Agency

Village of Buffalo Grove

County

Cook

Section Number

Street Name/Road Name

2025 Mill Creek Street and Utility Improvements

Type of Funds

General (Local)

☒ CONTRACT BOND (when required)

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature & Date

Submitted/Approved

County Engineer/Superintendent of Highways Signature & Date

For a Municipal Project

Submitted/Approved/Passed

Signature & Date

Official Title

Department of Transportation

☐ Concurrence in approval of award

Regional Engineer Signature & Date

Local Public Agency	Local Street/Road Name	County	Section Number
Village of Buffalo Grove	2025 Mill Creek Street and Utility Impro	Cook	

1. THIS AGREEMENT, made and concluded the 20th day of January 2025 between the Village of Buffalo Grove, known as the party of the first part, and Bolder Contractors, Inc., its successor, and assigns, known as the party of the second part.

2. For and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring this contract, the party of the second part agrees with said party of the first part, at its own proper cost and expense, to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this contract.

3. It is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section in Village of Buffalo Grove, approved by the Illinois Department of Transportation on , are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, the said parties have executed this contract on the date above mentioned.

Attest: The Village of Buffalo Grove
Local Public Agency Type Name of Local Public Agency

Clerk Signature & Date

(SEAL, if required by the LPA)

Party of the First Part Signature & Date

By:

(If a Corporation)

Corporate Name

President, Party of the Second Part Signature & Date

By:

(If a Limited Liability Corporation)

LLC Name

Manager or Authorized Member, Party of the Second Part

By:

(If a Partnership)

Partner Signature & Date

Partner Signature & Date

Partners doing Business under the firm name of
Party of the Second Part

(If an individual)

Party of the Second Part Signature & Date

Attest:

Secretary Signature & Date

(SEAL, if required by the LPA)

Instructions for BLR 12320 - Page 1 of 2
Instructions are not to be submitted with the form.

This form shall be used to execute Local Public Agency (LPA) contracts. The successful bidder must complete this form for formal contract proposals. Refer to Chapter 12 of the Bureau of Local Roads and Streets Manual (BLRS) for more information. For signature requirements, refer to Chapter 2, Section 3.05(b) of the BLRS Manual.

When filling out this form electronically, once a field is initially completed, fields requiring the same information will auto-populate.

Contractor's Name	Insert Contractor's name.
Contractor's Address	Insert Contractor's address.
Local Public Agency	Insert the name of the LPA.
County	Insert the name of the County in which the LPA is located.
Section Number	Insert the section number assigned to this project without dashes.
Street Name/Road Name	Insert the name of the street/road on which the project is located. For projects that include several streets or routes insert various.
Type of Funds	Insert the type of funds being used to fund this project.
For a County and Road District Project	
Highway Commissioner Signature	For a Road District Project the Highway Commissioner shall sign and date here.
County Engineer/Superintendent of Highways	For a road district project or county project, the County Engineer/Superintendent of Highways shall sign and date here.
For a Municipal Project	
Signature and Date	For a Municipal project the appropriate municipal official shall sign and date here.
Official Title	Insert the title of the official who signed above.
Department of Transportation	
Regional Engineer Signature & Date	Upon a limited review the Regional Engineer shall sign and date here.

#1

Day	Insert the Day the contract is made between the two parties.
Month, Year	Insert the month and year that corresponds to the date listed to the left.
Local Public Agency Type	From the drop-down, select the LPA type.
Local Public Agency	Insert the name of the LPA.

#3

Section Number	Insert the section number without dashes that applies to this project.
Local Public Agency	This field is automatically completed based on previous entries.
Date	Insert the date the documents for bidding were approved by IDOT.

#4

Local Public Agency Type	From the drop-down list, select the LPA type.
Local Public Agency	Insert the name of the local public agency.

Instructions for BLR 12320 - Page 1 of 2

Signatures

Local Public Agency Clerk

LPA Clerk shall sign, seal and date here.

Seal

The Clerk shall seal the document here, if required. If a seal is required, electronic signatures should not be used.

By:

The awarding authority duly designated contracting official must sign and date here.

If a corporation

Corporate Name

If a corporation, insert the name of the corporation, followed by the signature of the corporate president with the date of signature.

Attest

The secretary of the corporation shall sign and date here.

If a partnership

Partner Signature

If a partnership, the first partner must sign and date here. The second partner must sign and date the line below.

Party of the Second Part

If a partnership insert the name of the corporation.

If an Individual

If an individual the successful bidder shall sign and date here.

A minimum of four (4) certified signed originals must be submitted to the Regional Engineer's District office OR email PDF completed form with electronic signatures to your local District LRS office.

Following the Regional Engineer's approval, distribution will be as follows:

Local Public Agency Clerk

Successful Bidder

Engineer (Municipal, Consultant or County)

District File



Contract Bond

Local Public Agency	County	Street Name/Road Name	Section Number
Village of Buffalo Grove	Cook	Various Street Segments	

Bond information to be returned to Local Public Agency at 50 Raupp Blvd., Buffalo Grove, Illinois, 60089.
Complete Address

We, Bolder Contractors, Inc., 316 Cary Point Drive, Cary, Illinois, 60013
Contractor's Name and Address

a/an Corporation organized under the laws of the State of Illinois as PRINCIPAL, and
State

Surety Name and Address

as SURETY, are held and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of
Two Million Six Hundred Thirty Eight Thousand Five Hundred Fifteen Dollars and Zero Cents -----
Dollars (\$2,638,515.00) lawful money of the United States, to be paid to said LPA, the payment of which we bind ourselves,
successors and assigns jointly to pay to the LPA this sum under the conditions of this instrument.

WHEREAS, THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that the said Principal has entered into a written contract with the LPA acting through its awarding authority for the construction of work on the above sections, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW, THEREFORE, if the said Principal shall perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to it for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LPA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation shall be void; otherwise it shall remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective agents this _____ day of _____
Day Month and Year

PRINCIPAL

Company Name

By
Signature & Date

Attest
Signature & Date

Company Name

By
Signature & Date

Attest
Signature & Date

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF IL
COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that
Notary Name

Insert name of Individuals signing on behalf of PRINCIPAL

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____
Day Month, Year

(SEAL)

Notary Public Signature & Date

Date commission expires _____

SURETY

Name of Surety

Title

By:

STATE OF IL
COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that
Notary Name

Insert name of Individuals signing on behalf of SURETY

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____
Day Month, Year

(SEAL)

Notary Public Signature & Date

Date commission expires _____

Approved this _____ day of _____
Day Month, Year

Attest:

Local Public Agency Clerk Signature & Date

Awarding Authority

Awarding Authority Signature & Date

Clerk

Local Public Agency Type

Instructions for BLR 12321 - Page 1 of 2

Note: Instructions should not be included when the form is submitted.

This form shall be used to execute Local Public Agency (LPA) contracts submitted. The successful bidder must complete this form when required for contract proposals. Please refer to the Bureau of Local Roads and Streets Manual Chapter 12 for more information. For signature requirements refer to Chapter 2, Section 3.05(b) of the BLRS Manual. When filling out this form electronically, once a field is initially completed, fields requiring the same information will be auto-populated.

Local Public Agency	Insert the name of the LPA.
County	Insert the name of the County in which the LPA is located.
Street Name/Road Name	Insert the name of the street/road on which the project is located. For projects that include several streets or roads insert various.
Section Number	Insert the section number assigned to this project without dashes.
Address	Insert the LPA Address.
Contractor's Name and Address	Insert the contractor's name and address.
Contractor Legal Status Type	Insert Individual, Partnership or Corporation organized based on the contractor's legal status.
State	Insert the name of the state in which the contractor's company is organized.
Surety	Insert the name and address of the surety.
Dollar Amount	Insert the dollar amount of the contract in words, followed in numerical format in ().
Day	Insert the day of the month when the bond is signed by the principal and the surety.
Month and Year	Insert the month and year when the bond is signed by the principal and the surety,

PRINCIPAL

Company Name	Insert the successful bidder's company name.
Signature & Title	The authorized company officer must sign here, and insert their title and date.
Attest	The authorized agent attesting the signature of the successful bidder's authorized officer must sign here and insert their title.
State	Insert the name of the state where the signer(s) personally appeared before the notary public.
County	Insert the name of the county where the signer(s) personally appeared before the notary public.
Notary Name	Insert the name of notary public. Insert the names of the individuals signing on behalf of the principal.
Day	Insert the day of the month the notary public signed and sealed this document.
Month and Year	Insert the month and year the notary public signed and sealed this document.
Commission Expires	Insert the date the notary public's commission expires. To be completed by the notary public.
Notary Public	The notary public must sign here and place their seal.

SURETY

Name of Surety	Insert the surety's name.
Signature & Title	The attorney-in-fact for the surety must sign and seal here.
State	Insert the name of the state where the signer(s) personally appeared before the notary public.
County	Insert the name of the county where the signer(s) personally appeared before the notary public.
Notary Name	Insert the name of notary public.
Name of Signatory on behalf of Surety	Insert the names of the individuals signing on behalf of the Surety.

Instructions for BLR 12321 - Page 2 of 2

Day	Insert the day of the month the notary public signed and sealed this document.
Month and Year	Insert the month and year the notary public signed and sealed this document.
Commission Expires	Insert the date the notary public's commission expires. To be completed by the notary public.
Notary Public	The notary public must sign here and place their seal.

Approved this

Day	Insert the day of the month when the bond was approved by the awarding authority.
Month and Year	Insert the month and year when the bond was approved by the awarding authority.

Attest:

Local Public Agency Clerk Signature	The awarding authority clerk must sign and date here.
Awarding Authority	Insert the name of the awarding authority.
Local Public Agency Type	Insert the type of LPA.
Awarding Authority signature	The awarding authority officer must sign and date here.

Distribution

Upon completion, this document gets inserted into the Formal Contract Proposal (BLR 12200) or the Material Proposal, or Deliver and Install Proposal (BLR 12240) and **must be** submitted with the contractor's bid.

Upon execution of a formal contract, this form is to be submitted with the formal contract package to the Department. For a Material or Deliver and Install project this form is to be maintained by the LPA. Distribution will be the same as with a Formal Contract Proposal or Material Proposal or Deliver and Install Proposal.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Buffalo Grove	Cook		2025 Mill Creek Street and Utilit

PROPOSAL

Bolder Contractors, Inc.

- Proposal of 316 Cary Point Dr. Contractor's Name
Cary, IL 60013
Phone 847-236-0785 Contractor's Address
- The plans for the proposed work are those prepared by Gewalt Hamilton Associates, Inc.
~~and approved by the Department of Transportation on~~
- The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
- The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
- The undersigned agrees to complete the work within _____ working days or by 06/13/25 unless additional time is granted in accordance with the specifications.
- The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond of check shall be forfeited to the Awarding Authority.
- Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the products of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price. A bid may be declared unacceptable if neither a unit price nor a total price is shown.
- The undersigned submits herewith the schedule of prices on BLR 12201 covering the work to be performed under this contract.
- The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12201, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.
- A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond, if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to: Village Treasurer of Buffalo Grove.
The amount of the check is _____ (_____).

Attach Cashier's Check or Certified Check Here

In the event that one proposal guaranty check is intended to cover two or more bid proposals, the amount must be equal to the sum of the proposal guaranties which would be required for each individual bid proposal. If the proposal guaranty check is placed in another bid proposal, state below where it may be found.

The proposal guaranty check will be found in the bid proposal for: Section Number _____.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Buffalo Grove	Cook		2025 Mill Creek Street and Utilit

CONTRACTOR CERTIFICATIONS

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedure established by the appropriate Revenue Act, its liability for the tax or the amount of the tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense, or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State or Local government. No corporation shall be barred from contracting with any unit of State or Local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that, it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be canceled.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Buffalo Grove	Cook		2025 Mill Creek Street and Utili

SIGNATURES

(If an individual)

Bidder Signature & Date

--

Business Address

--

City

State

Zip Code

--	--	--

(If a partnership)

Firm Name

--

Signature & Date

--

Title

--

Business Address

--

City

State

Zip Code

--	--	--

Insert the Names and Addresses of all Partners

--

(If a corporation)

Corporate Name

SOLDER CONTRACTORS

Signature & Date

	1/8/25
--	--------

Title

PRESIDENT

Business Address

316 Cary Pt. Dr

City

State

Zip Code

Cary	IL	60013
------	----	-------

Insert Names of Officers

President

ROBERT GUIANA

Secretary

ROD RANKINS

Treasurer

ROD RANKINS

Attest:



Secretary

SCHEDULE OF PRICES**Base Bid Scope of Work:**

For the complete scope of work and information covering these items, see the plans and specifications.

2025 Mill Creek Street & Utility Project

The following Unit Prices will be used for basis of payment and shall be the bidder's proposal for completing the entire improvements herein.

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
1	TREE TRUNK PROTECTION	82.0	EA	\$ 80 ⁻	\$ 6560 ⁻
2	TREE ROOT PRUNING	56.0	EA	\$ 70 ⁻	\$ 3920 ⁻
3	TREE REMOVAL (OVER 15 UNITS DIAMETER)	70.0	UNIT	\$ 40 ⁻	\$ 2800 ⁻
4	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	280.0	CY	\$ 33 ⁻	\$ 9240 ⁻
5	TRENCH BACKFILL, COARSE AGGREGATE, CA-11 (SPECIAL)	2,300.0	CY	\$ 60 ⁻	\$ 138000 ⁻
6	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	8,350.0	SY	\$ 1 ⁻	\$ 8350 ⁻
7	GENERAL LANDSCAPE RESTORATION (SPECIAL)	3,710.0	SY	\$ 10 ⁻	\$ 37100 ⁻
8	MOWING (SPECIAL)	2.0	EA	\$ 500 ⁻	\$ 1000 ⁻
9	SUPPLEMENTAL WATERING	13.0	UN	\$ 100 ⁻	\$ 1300 ⁻
10	TEMPORARY EROSION CONTROL SEEDING (SPECIAL)	3,710.0	SY	\$ 0.25	\$ 927.50
11	TEMPORARY MULCH METHOD 3A (SPECIAL)	3,710.0	SY	\$ 0.25	\$ 927.50
12	INLET FILTERS	24.0	EA	\$ 50 ⁻	\$ 1200 ⁻
13	AGGREGATE SUBGRADE IMPROVEMENT	280.0	CY	\$ 56 ⁻	\$ 15680 ⁻
14	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	3,290.0	TN	\$ 1 ⁻	\$ 3290 ⁻
15	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE BASE COURSE, 12"	320.0	SY	\$ 90 ⁻	\$ 28800 ⁻
16	REINFORCEMENT BARS (EPOXY COATED)	410.0	LB	\$ 3 ⁻	\$ 1230 ⁻
17	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", IL-9.5, N70, 1.75"	35.0	TN	\$ 238 ⁻	\$ 8330 ⁻
18	HOT-MIX ASPHALT BINDER COURSE (SPECIAL)	1,255.0	TN	\$ 83 ⁻	\$ 104165 ⁻
19	HOT-MIX ASPHALT SURFACE COURSE (SPECIAL)	1,004.0	TN	\$ 81 ⁻	\$ 81324 ⁻
20	CLASS D PATCHES, TYPE III, 5 INCH	25.0	SY	\$ 60 ⁻	\$ 1500 ⁻
21	BITUMINOUS MATERIALS (TACK COAT)	2,200.0	LB	\$ 0.01	\$ 22 ⁻
22	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	410.0	SY	\$ 70 ⁻	\$ 28700 ⁻
23	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	5,030.0	SF	\$ 10 ⁻	\$ 50300 ⁻
24	DETECTABLE WARNINGS (FURNISHED BY OTHERS) (SPECIAL)	60.0	SF	\$ 30 ⁻	\$ 1800 ⁻
25	STABILIZED CONSTRUCTION ENTRANCE	700.0	SY	\$ 9 ⁻	\$ 6300 ⁻
26	PAVEMENT REMOVAL (SPECIAL)	8,390.0	SY	\$ 8 ⁻	\$ 67120 ⁻
27	DRIVEWAY PAVEMENT REMOVAL (SPECIAL)	410.0	SY	\$ 14 ⁻	\$ 5740 ⁻
28	COMBINATION CURB AND GUTTER REMOVAL	1,650.0	FT	\$ 9 ⁻	\$ 14850 ⁻
29	SIDEWALK REMOVAL	5,670.0	SF	\$ 2 ⁻	\$ 11340 ⁻
30	WATER MAIN 8" (FURNISHED BY OTHERS) (SPECIAL)	3,245.0	FT	\$ 110 ⁻	\$ 356950 ⁻
31	WATER MAIN, 10"	15.0	FT	\$ 200 ⁻	\$ 3000 ⁻
32	WATER VALVES, 8"	11.0	EA	\$ 4000 ⁻	\$ 44000 ⁻
33	WATER VALVES, 10"	1.0	EA	\$ 5000 ⁻	\$ 5000 ⁻
34	WATER MAIN IN CASING PIPE, 8" (SPECIAL)	80.0	FT	\$ 100 ⁻	\$ 8000 ⁻
35	WATER MAIN IN CASING PIPE, 10" (SPECIAL)	135.0	FT	\$ 150 ⁻	\$ 20250 ⁻
36	CASING PIPE, 20" (SPECIAL)	80.0	FT	\$ 150 ⁻	\$ 12000 ⁻
37	CASING PIPE, 20", AUGER AND JACK (SPECIAL)	115.0	FT	\$ 500 ⁻	\$ 57500 ⁻
38	FIRE HYDRANTS TO BE REMOVED (SPECIAL)	9.0	EA	\$ 600 ⁻	\$ 5400 ⁻
39	FIRE HYDRANT EXTENSION (SPECIAL)	1.0	FT	\$ 3000 ⁻	\$ 3000 ⁻
40	FIRE HYDRANT ASSEMBLY, COMPLETE (FURNISHED BY OTHERS) (SPECIAL)	10.0	EA	\$ 5000 ⁻	\$ 50000 ⁻
41	PIPE UNDERDRAINS, 4" (SPECIAL)	275.0	FT	\$ 50 ⁻	\$ 13750 ⁻
42	VALVE VAULT, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	12.0	EA	\$ 4000 ⁻	\$ 48000 ⁻

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
43	VALVE BOX	1.0	EA	\$2000 ⁻	\$2000 ⁻
44	REMOVING MANHOLES	2.0	EA	\$300 ⁻	\$600 ⁻
45	REMOVING CATCH BASINS	5.0	EA	\$300 ⁻	\$1500 ⁻
46	REMOVING INLETS	8.0	EA	\$300 ⁻	\$2400 ⁻
47	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (MODIFIED) (SPECIAL)	1,520.0	FT	\$45 ⁻	\$68400 ⁻
48	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	100.0	FT	\$65 ⁻	\$6500 ⁻
49	MOBILIZATION	1.0	LS	\$126,000 ⁻	\$126000 ⁻
50	CONNECT INTO EXISTING DRAINAGE STRUCTURE (SPECIAL)	2.0	EA	\$2500 ⁻	\$5000 ⁻
51	STORM SEWER CONNECTION, 15" OR LESS (SPECIAL)	6.0	EA	\$400 ⁻	\$2400 ⁻
52	STORM SEWER CONNECTION, GREATER THAN 15" (SPECIAL)	7.0	EA	\$1100 ⁻	\$7700 ⁻
53	SANITARY SEWER CONNECTION (SPECIAL)	6.0	EA	\$700 ⁻	\$4200 ⁻
54	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME AND CLOSED LID	2.0	EA	\$6000 ⁻	\$12000 ⁻
55	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	5.0	EA	\$6000 ⁻	\$30000 ⁻
56	INLETS, TYPE A, 2'-DIAMETER, TYPE 11 FRAME AND GRATE	7.0	EA	\$4000 ⁻	\$28000 ⁻
57	VALVE VAULTS TO BE ABANDONED (SPECIAL)	2.0	EA	\$600 ⁻	\$1200 ⁻
58	VALVE VAULTS TO BE REMOVED (SPECIAL)	6.0	EA	\$600 ⁻	\$3600 ⁻
59	WATER VALVES TO BE REMOVED (SPECIAL)	8.0	EA	\$500 ⁻	\$4000 ⁻
60	CUT AND CAP EXISTING WATER MAIN (SPECIAL)	2.0	EA	\$2500 ⁻	\$5000 ⁻
61	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 8" (SPECIAL)	2.0	EA	\$5000 ⁻	\$10000 ⁻
62	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 10" (SPECIAL)	4.0	EA	\$5500 ⁻	\$22000 ⁻
63	PRESSURE CONNECTION 8" x 8" (SPECIAL)	1.0	EA	\$8000 ⁻	\$8000 ⁻
64	WATER MAIN REMOVAL, 8" (SPECIAL)	55.0	FT	\$25 ⁻	\$1375 ⁻
65	WATER MAIN REMOVAL, 10" (SPECIAL)	30.0	FT	\$25 ⁻	\$750 ⁻
66	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	\$100,000 ⁻	\$100000 ⁻
67	TRAFFIC CONTROL AND PROTECTION - DUNDEE ROAD (SPECIAL)	1.0	LS	\$25,000 ⁻	\$25000 ⁻
68	SHORT TERM PAVEMENT MARKING	355.0	FT	\$2 ⁻	\$710 ⁻
69	SHORT TERM PAVEMENT MARKING REMOVAL	250.0	SF	\$2 ⁻	\$500 ⁻
70	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	105.0	FT	\$7 ⁻	\$735 ⁻
71	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	30.0	FT	\$8 ⁻	\$240 ⁻
72	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	40.0	FT	\$20 ⁻	\$800 ⁻
73	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	225.0	SF	\$11 ⁻	\$2475 ⁻
74	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	8.0	EA	\$475 ⁻	\$3800 ⁻
75	RAISED REFLECTIVE PAVEMENT MARKER	8.0	EA	\$475 ⁻	\$3800 ⁻
76	CHANGEABLE MESSAGE SIGN	7.0	CAL DAY	\$200 ⁻	\$1400 ⁻
77	DETECTOR LOOP REPLACEMENT	150.0	FT	\$35 ⁻	\$5250 ⁻
78	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1.0	EA	\$6000 ⁻	\$6000 ⁻
79	TEMPORARY TRAFFIC SIGNAL TIMING	4.0	EA	\$1100 ⁻	\$4400 ⁻
80	FRAMES AND LIDS, TYPE 1, CLOSED LID (SANITARY) (SPECIAL)	12.0	EA	\$800 ⁻	\$9600 ⁻
81	DRAINAGE STRUCTURE TO BE ADJUSTED, TYPE 1, CLOSED LID (SPECIAL)	6.0	EA	\$900 ⁻	\$5400 ⁻
82	DRAINAGE STRUCTURE TO BE ADJUSTED, TYPE 11, OPEN GRATE (SPECIAL)	7.0	EA	\$900 ⁻	\$6300 ⁻
83	SANITARY SEWERS, WATER MAIN QUALITY PIPE, 8" (SPECIAL)	150.0	FT	\$160 ⁻	\$24000 ⁻
84	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 10" (SPECIAL)	325.0	FT	\$120 ⁻	\$39000 ⁻
85	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12" (SPECIAL)	10.0	FT	\$130 ⁻	\$1300 ⁻
86	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15" (SPECIAL)	60.0	FT	\$140 ⁻	\$8400 ⁻
87	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 18" (SPECIAL)	35.0	FT	\$170 ⁻	\$5950 ⁻
88	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24" (SPECIAL)	78.0	FT	\$200 ⁻	\$15600 ⁻
89	STORM SEWERS, CLASS B, TYPE 2, 12"	10.0	FT	\$130 ⁻	\$1300 ⁻
90	EXPLORATION EXCAVATION (SPECIAL)	4.0	EA	\$2500 ⁻	\$10000 ⁻
91	ADJUSTING SANITARY/STORM SERVICES, 8-INCH DIAMETER OR LESS (SPECIAL)	275.0	FT	\$110 ⁻	\$30250 ⁻

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
92	STORM SEWER TO BE REMOVED, 18-INCH DIAMETER OR LESS (SPECIAL)	430.0	FT	\$12 ⁻	\$5160 ⁻
93	STORM SEWER TO BE REMOVED, GREATER THAN 18-INCH DIAMETER (SPECIAL)	78.0	FT	\$12 ⁻	\$936 ⁻
94	SANITARY SEWER TO BE REMOVED, 18-INCH DIAMETER OR LESS (SPECIAL)	150.0	FT	\$1 ⁻	\$150 ⁻
95	BUFFALO BOX FRAME & LID (SPECIAL)	8.0	EA	\$500 ⁻	\$4000 ⁻
96	WATER SERVICE, TYPE K COPPER, 1" (SPECIAL)	2,290.0	FT	\$9 ⁻	\$20610 ⁻
97	WATER SERVICE, CONNECT EXISTING, COMPLETE (SPECIAL)	68.0	EA	\$500 ⁻	\$34000 ⁻
98	WATER SERVICE, TAP, 1" COMPLETE (SPECIAL)	68.0	EA	\$2000 ⁻	\$136000 ⁻
99	ABANDON EXISTING WATER MAIN (SPECIAL)	65.0	CY	\$250 ⁻	\$16250 ⁻
100	TEMPORARY PAVEMENT (SPECIAL)	20.0	TN	\$300 ⁻	\$6000 ⁻
101	REMOVE AND REINSTALL EXISTING SIGN (SPECIAL)	1.0	EA	\$900 ⁻	\$900 ⁻
102	TEMPORARY INFORMATION SIGNING	200.0	SF	\$14 ⁻	\$2800 ⁻

PROPOSAL OF UNIT PRICE BASE BID TOTAL: \$2,160,307.00

Written Amount for Proposal of Unit Price Base Bid Total:

Two Million One Hundred Sixty Thousand Three Hundred Seven Dollars - 00/100

ALTERNATE 01

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
1	TREE TRUNK PROTECTION	15.0	EA	\$150 ⁻	\$2250 ⁻
2	TREE ROOT PRUNING	10.0	EA	\$90 ⁻	\$900 ⁻
3	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	40.0	CY	\$33 ⁻	\$1320 ⁻
4	TRENCH BACKFILL, COARSE AGGREGATE, CA-11 (SPECIAL)	360.0	CY	\$60 ⁻	\$21600 ⁻
5	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	1,130.0	SY	\$1 ⁻	\$1130 ⁻
6	GENERAL LANDSCAPE RESTORATION (SPECIAL)	320.0	SY	\$10 ⁻	\$3200 ⁻
7	MOWING (SPECIAL)	0.5	EA	\$900 ⁻	\$450 ⁻
8	SUPPLEMENTAL WATERING	1.0	UN	\$100 ⁻	\$100 ⁻
9	TEMPORARY EROSION CONTROL SEEDING (SPECIAL)	320.0	SY	\$0.25	\$80 ⁻
10	TEMPORARY MULCH METHOD 3A (SPECIAL)	320.0	SY	\$0.25	\$80 ⁻
11	INLET FILTERS	2.0	EA	\$50 ⁻	\$100 ⁻
12	AGGREGATE SUBGRADE IMPROVEMENT	40.0	CY	\$56 ⁻	\$2240 ⁻
13	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	440.0	TN	\$1 ⁻	\$440 ⁻
14	HOT-MIX ASPHALT BINDER COURSE (SPECIAL)	170.0	TN	\$79 ⁻	\$13430 ⁻
15	HOT-MIX ASPHALT SURFACE COURSE (SPECIAL)	136.0	TN	\$80 ⁻	\$10880 ⁻
16	BITUMINOUS MATERIALS (TACK COAT)	300.0	LB	\$0.01	\$3 ⁻
17	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	70.0	SY	\$70 ⁻	\$4900 ⁻
18	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	480.0	SF	\$11 ⁻	\$5280 ⁻
19	PAVEMENT REMOVAL (SPECIAL)	1,090.0	SY	\$8 ⁻	\$8720 ⁻
20	DRIVEWAY PAVEMENT REMOVAL (SPECIAL)	70.0	SY	\$14 ⁻	\$980 ⁻
21	COMBINATION CURB AND GUTTER REMOVAL	130.0	FT	\$9 ⁻	\$1170 ⁻
22	SIDEWALK REMOVAL	480.0	SF	\$2 ⁻	\$960 ⁻
23	WATER MAIN, 6"	5.0	FT	\$120 ⁻	\$600 ⁻
24	WATER MAIN 8" (FURNISHED BY OTHERS) (SPECIAL)	400.0	FT	\$120 ⁻	\$48000 ⁻
25	WATER VALVES, 8"	1.0	EA	\$5000 ⁻	\$5000 ⁻
26	FIRE HYDRANTS TO BE REMOVED (SPECIAL)	1.0	EA	\$600 ⁻	\$600 ⁻
27	FIRE HYDRANT ASSEMBLY, COMPLETE (FURNISHED BY OTHERS) (SPECIAL)	2.0	EA	\$3000 ⁻	\$6000 ⁻
28	PIPE UNDERDRAINS, 4" (SPECIAL)	25.0	FT	\$50 ⁻	\$1250 ⁻
29	VALVE VAULT, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	1.0	EA	\$4000 ⁻	\$4000 ⁻
30	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (MODIFIED) (SPECIAL)	130.0	FT	\$45 ⁻	\$5850 ⁻
31	MOBILIZATION	1.0	LS	\$12000 ⁻	\$12000 ⁻

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
32	CUT AND CAP EXISTING WATER MAIN (SPECIAL)	1.0	EA	\$2500-	\$2500-
33	PRESSURE CONNECTION 6" x 6" (SPECIAL)	1.0	EA	\$7000-	\$7000-
34	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	\$15000-	\$15000-
35	SHORT TERM PAVEMENT MARKING	140.0	FT	\$1-	\$140-
36	SHORT TERM PAVEMENT MARKING REMOVAL	120.0	SF	\$1-	\$120-
37	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	55.0	FT	\$10-	\$550-
38	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	13.0	FT	\$20-	\$260-
39	FRAMES AND LIDS, TYPE 1, CLOSED LID (SANITARY) (SPECIAL)	2.0	EA	\$900-	\$1800-
40	EXPLORATION EXCAVATION (SPECIAL)	1.0	EA	\$2000-	\$2000-
41	ADJUSTING SANITARY/STORM SERVICES, 8-INCH DIAMETER OR LESS (SPECIAL)	50.0	FT	\$110-	\$5500-
42	BUFFALO BOX FRAME & LID (SPECIAL)	2.0	EA	\$500-	\$1000-
43	WATER SERVICE, TYPE K COPPER, 1" (SPECIAL)	340.0	FT	\$9-	\$3060-
44	WATER SERVICE, CONNECT EXISTING, COMPLETE (SPECIAL)	11.0	EA	\$500-	\$5500-
45	WATER SERVICE, TAP, 1" COMPLETE (SPECIAL)	11.0	EA	\$2400-	\$26400-
46	ABANDON EXISTING WATER MAIN (SPECIAL)	10.0	CY	\$250-	\$2500-
47	TEMPORARY PAVEMENT (SPECIAL)	5.0	TN	\$300-	\$1500-

PROPOSAL OF UNIT PRICE ALTERNATE BID TOTAL: \$238,343.00

Written Amount for Proposal of Unit Price Alternate Bid Total:

Two Hundred Thirty-Eight Thousand Three Hundred Forty-Three
DOLLARS AND zero cents



Affidavit of Illinois Business Office

Local Public Agency	County	Street Name/Road Name	Section Number
Village of Buffalo Grove	Cook	Various	

I, ROBERT GWIASA of Cary, IL,
Name of Affiant City of Affiant State of Affiant

being first duly sworn upon oath, state as follows:

1. That I am the president of Borden Contractors.
Officer or Position Bidder
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under the proposal described above, Borden Contractors, will maintain a business office in the
Bidder
 State of Illinois, which will be located in McHenry County, Illinois.
County
4. That this business office will serve as the primary place of employment for any persons employed in the construction contemplated by this proposal.
5. That this Affidavit is given as a requirement of state law as provided in Section 30-22(8) of the Illinois Procurement Code.

Signature & Date

RG 4/8/25

Print Name of Affiant

president

Notary Public

State of IL

County McHenry

Signed (or subscribed or attested) before me on 4/8/25 by
(date)

ROBERT GWIASA, authorized agent(s) of
(name/s of person/s)
Borden Contractors
Bidder

(SEAL)

Notary Public Signature & Date

D. Abbey

My commission expires



EXHIBIT A - PUBLIC CONTRACT STATEMENT

This Public Contract Statement (the "**Contract Statement**") has been executed by the below supplier, Contractor or vendor (collectively the "**Contractor**") in order for the Village of Buffalo Grove to obtain certain information necessary prior to awarding a public contract. The Contract Statement shall be executed and notarized and submitted as part of the Bid Proposal.

CERTIFICATION OF CONTRACTOR/BIDDER

In order to comply with 720 Illinois Compiled Statutes 5/33 E-1 et seq., the Village of Buffalo Grove requires the following certification be acknowledged:

The Contractor certifies that it is not barred from bidding or supplying any goods, services or construction let by the Village of Buffalo Grove with or without bid, due to any violation of either Section 5/33 E-3 or 5/33 E-4 of Article 33E, Public Contracts, of the Chapter 720 of the Illinois Compiled Statutes, as amended. This act relates to interference with public contracting, bid rigging and rotating, kickbacks, and bidding.

CERTIFICATION RELATIVE TO 65 ILCS 5/11-42.1.1

In order to comply with 65 Illinois Compiled Statutes 5/11-42.1.1, the Village of Buffalo Grove requires the following certification:

The Contractor does hereby swear and affirm that it is not delinquent in the payment of any tax administered by the Illinois Department of Revenue unless it is contesting such tax in accordance with the procedures established by the appropriate revenue act, its liability for the tax or the amount of the tax. The undersigned further understands that making a false statement herein: (1) is a Class A misdemeanor, and (2) voids the contract and allows the Village to recover all amounts paid to it under the contract.

CONFLICT OF INTEREST

The Village of Buffalo Grove Municipal Code requires the following verification relative to conflict of interest and compliance with general ethics requirements of the Village:

The Contractor represents and warrants to the Village of Buffalo Grove as a term and condition of acceptance of their Bid Proposal that none of the following Village officials is either an officer or director of Contractor nor owns five percent (5%) or more of the Contractor: the Village President, the members of the Village Board of Trustees, the Village Clerk, the Village Treasurer, the members of the Zoning Board of Appeals and the Plan Commission, the Village Manager and his/her Assistant, or the heads of the various departments within the Village.

If the foregoing representation and warranty is inaccurate, state the name of the Village official who either is an officer or director of your business entity or owns five percent (5%) or more thereof: _____.

OTHER COMMITMENTS

Has your firm ever been debarred by a governmental agency in the State of Illinois within the last 7 years? If no, please check the box. ☒

I have read, understand and am able to fulfill the requirements of the contract documents. If yes, please check the box. ☒

I can provide insurance documents that meet the terms of the contract documents, which includes original endorsements that explicitly names the Village of Buffalo Grove (and others per the contract documents). If yes, please check the box. ☒

In the past 7 years has your firm been involved in litigation, arbitration, or mediation with a governmental agency? If no, please check the box.

☒ If yes, please provide a brief description.

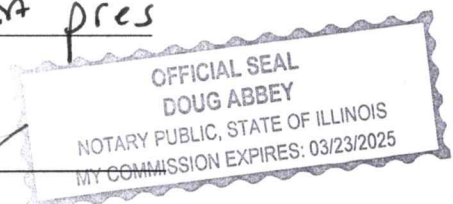
IN WITNESS WHEREOF, the below Contractor has signed and sealed this Contract Statement as of this 8 day of JAN, 2025.

Bolder Contractors
Print Name of Contractor

Robert Guzman
Signature
Robert Guzman pres
Print Title

Given under my hand and official seal, this 8 day of JAN, 2025

[Signature]
Notary Public



Description of Work
2025 Mill Creek Street and Utility Project
Village of Buffalo Grove

The following is a list of streets including limits, lengths, area, and a brief description of work:

BASE BID:

Street	From/To	Length	Area
Greenridge Road	Crofton Lane south to Crofton Lane north	1,650 FT (0.313 miles)	4,400 SY
Crofton Lane	Greenridge Road to Dundee Road	1,400 FT (0.265 miles)	3,734 SY
Dundee Road	Bison Park to Crofton Lane	538 FT (0.102 miles)	1,674 SY
	Totals:	3,588 FT (0.680 miles)	9,808 SY

Utility Improvements. The above street segments will include water main replacement, water service line installation, pavement removal, curb and gutter removal and replacement at various locations, sidewalk removal and replacement at various locations, storm and sanitary sewer spot repairs, hot-mix asphalt pavement patching, preparation of base and aggregate base repair, hot-mix-asphalt pavement installation, landscape restoration and other associated improvements.

ALTERNATE 01:

Street	From/To	Length	Area
Greenridge Road	Mill Creek Drive to Crofton Lane south	400 FT (0.076 miles)	1,088 SY
	Totals:	400 FT (0.076 miles)	1,088 SY

Utility Improvements. The above street segments will include water main replacement, water service line installation, pavement removal, curb and gutter removal and replacement at various locations, sidewalk removal and replacement at various locations, preparation of base and aggregate base repair, hot-mix-asphalt pavement installation, landscape restoration and other associated improvements.



Check Sheet for Recurring Special Provisions

Local Public Agency

Village of Buffalo Grove

County

Cook

Section Number

☐ Check this box for lettings prior to 01/01/2024.

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
1	☐ Additional State Requirements for Federal-Aid Construction Contracts	59
2	☐ Subletting of Contracts (Federal-Aid Contracts)	62
3	☐ EEO	63
4	☐ Specific EEO Responsibilities Non Federal-Aid Contracts	73
5	☐ Required Provisions - State Contracts	78
6	☐ Asbestos Bearing Pad Removal	84
7	☐ Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	85
8	☐ Temporary Stream Crossings and In-Stream Work Pads	86
9	☐ Construction Layout Stakes	87
10	☐ Use of Geotextile Fabric for Railroad Crossing	90
11	☐ Subsealing of Concrete Pavements	92
12	☐ Hot-Mix Asphalt Surface Correction	96
13	☐ Pavement and Shoulder Resurfacing	98
14	☐ Patching with Hot-Mix Asphalt Overlay Removal	99
15	☐ Polymer Concrete	101
16	☐ Reserved	103
17	☐ Bicycle Racks	104
18	☐ Temporary Portable Bridge Traffic Signals	106
19	☐ Nighttime Inspection of Roadway Lighting	108
20	☐ English Substitution of Metric Bolts	109
21	☐ Calcium Chloride Accelerator for Portland Cement Concrete	110
22	☐ Quality Control of Concrete Mixtures at the Plant	111
23	☐ Quality Control/Quality Assurance of Concrete Mixtures	119
24	☐ Reserved	135
25	☐ Reserved	136
26	☐ Temporary Raised Pavement Markers	137
27	☐ Restoring Bridge Approach Pavements Using High-Density Foam	138
28	☐ Portland Cement Concrete Inlay or Overlay	141
29	☐ Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	145
30	☐ Longitudinal Joint and Crack Patching	148
31	☐ Concrete Mix Design - Department Provided	150
32	☐ Station Numbers in Pavements or Overlays	151

Local Public Agency

County

Section Number

Village of Buffalo Grove

Cook

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

<u>Check Sheet #</u>			<u>Page No.</u>
LRS 1		Reserved	153
LRS 2	☐	Furnished Excavation	154
LRS 3	☒	Work Zone Traffic Control Surveillance	155
LRS 4	☒	Flaggers in Work Zones	156
LRS 5	☒	Contract Claims	157
LRS 6	☒	Bidding Requirements and Conditions for Contract Proposals	158
LRS 7	☐	Bidding Requirements and Conditions for Material Proposals	164
LRS 8		Reserved	170
LRS 9	☐	Bituminous Surface Treatments	171
LRS 10		Reserved	175
LRS 11	☒	Employment Practices	176
LRS 12	☒	Wages of Employees on Public Works	178
LRS 13	☒	Selection of Labor	180
LRS 14	☐	Paving Brick and Concrete Paver Pavements and Sidewalks	181
LRS 15	☒	Partial Payments	184
LRS 16	☐	Protests on Local Lettings	185
LRS 17	☐	Substance Abuse Prevention Program	186
LRS 18	☐	Multigrade Cold Mix Asphalt	187
LRS 19	☐	Reflective Crack Control Treatment	188

BDE SPECIAL PROVISIONS
For the January 17 and March 7, 2025 Lettings

The following special provisions indicated by a “check mark” are applicable to this contract and will be included by the Project Coordination and Implementation Section of the Bureau of Design & Environment (BDE).

File Name	#		Special Provision Title	Effective	Revised
	80099	1	☐ Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
	80274	2	☐ Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
	80192	3	☐ Automated Flagger Assistance Devices	Jan. 1, 2008	April 1, 2023
	80173	4	☐ Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
	80426	5	☐ Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
*	80241	6	☐ Bridge Demolition Debris	July 1, 2009	
*	50531	7	☐ Building Removal	Sept. 1, 1990	Aug. 1, 2022
*	50261	8	☐ Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
	80460	9	☒ Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar	Jan. 1, 2025	
	80384	10	☒ Compensable Delay Costs	June 2, 2017	April 1, 2019
*	80198	11	☐ Completion Date (via calendar days)	April 1, 2008	
*	80199	12	☐ Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80461	13	☐ Concrete Barrier	Jan. 1, 2025	
	80453	14	☐ Concrete Sealer	Nov. 1, 2023	
	80261	15	☒ Construction Air Quality – Diesel Retrofit	June 1, 2010	Jan. 1, 2025
*	80029	16	☐ Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Mar. 2, 2019
	80229	17	☐ Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
	80452	18	☐ Full Lane Sealant Waterproofing System	Nov. 1, 2023	
	80447	19	☐ Grading and Shaping Ditches	Jan. 1, 2023	
	80433	20	☐ Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
	80456	21	☒ Hot-Mix Asphalt	Jan. 1, 2024	Jan. 1, 2025
	80446	22	☐ Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
	80438	23	☐ Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
	80450	24	☐ Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	
	80441	25	☐ Performance Graded Asphalt Binder	Jan. 1, 2023	
	80459	26	☐ Preformed Plastic Pavement Marking	June 2, 2024	
*	34261	27	☐ Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
	80455	28	☐ Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
	80445	29	☐ Seeding	Nov. 1, 2022	
	80457	30	☒ Short Term and Temporary Pavement Markings	April 1, 2024	April 2, 2024
	80462	31	☐ Sign Panels and Appurtenances	Jan. 1, 2025	
	80448	32	☐ Source of Supply and Quality Requirements	Jan. 2, 2023	
	80340	33	☐ Speed Display Trailer	April 2, 2014	Jan. 1, 2022
	80127	34	☐ Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
	80397	35	☐ Subcontractor and DBE Payment Reporting	April 2, 2018	
	80391	36	☒ Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
	80437	37	☐ Submission of Payroll Records	April 1, 2021	Nov. 2, 2023
	80435	38	☐ Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
*	20338	39	☐ Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
	80429	40	☐ Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
	80439	41	☒ Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
	80458	42	☐ Waterproofing Membrane System	Aug. 1, 2024	
	80302	43	☐ Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
	80454	44	☐ Wood Sign Support	Nov. 1, 2023	
	80427	45	☒ Work Zone Traffic Control Devices	Mar. 2, 2020	Jan. 1, 2025
*	80071	46	☐ Working Days	Jan. 1, 2002	

Highlighted items indicate a new or revised special provision for the letting.

An * indicates the special provision requires additional information from the designer, which needs to be submitted separately. The Project Coordination and Implementation Section will then include the information in the applicable special provision.

The following special provisions have been deleted from use.

<u>File Name</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80449	Cement, Type IL	Aug. 1, 2023	
80451	Portland Cement Concrete	Aug. 1, 2023	

The following special provisions are in the 2025 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location(s)</u>	<u>Effective</u>	<u>Revised</u>
80434	Corrugated Plastic Pipe (Culvert and Storm Sewer)	Articles 542.03, 550.03, 1040.03, 1040.04(b), 1040.04(d) & 1040.08	Jan. 1, 2021	
80443	High Tension Cable Median Barrier Removal	Section 632	April 1, 2022	
80045	Material Transfer Device	Articles 406.03, 406.06(f), 406.13(b), 406.14 & 1102.02	Nov 15, 1999	Jan. 1, 2022
80410	Traffic Spotters	Article 701.13	Jan. 1, 2019	



Illinois Department of Transportation

Memorandum

To: Regional Engineers
From: Jack A. Elston 
Subject: Special Provision for Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar
Date: September 27, 2024

This special provision was developed by the Central Bureau of Materials to transition concrete admixtures to AASHTO Product Eval and Audit testing, increase retesting intervals for repair material, to more widely allow Type IL cement and ground granulated blast furnace slag, and to bring in existing special provisions "Cement, Type IL (BDE)" and "Portland Cement Concrete (BDE)".

This special provision should be inserted into all contracts.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the January 17, 2025 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80460m

CEMENT, FINELY DIVIDED MINERALS, ADMIXTURES; CONCRETE, AND MORTAR (BDE)

Effective: January 1, 2025

Revise the first paragraph of Article 285.05 of the Standard Specifications to read:

“285.05 Fabric Formed Concrete Revetment Mat. The grout shall consist of a mixture of cement, fine aggregate, and water so proportioned and mixed as to provide a pumpable slurry. Fly ash or ground granulated blast furnace (GGBF) slag, and concrete admixtures may be used at the option of the Contractor. The grout shall have an air content of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The mix shall obtain a compressive strength of 2500 psi (17,000 kPa) at 28 days according to Article 1020.09.”

Revise Article 302.02 of the Standard Specifications to read:

“302.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Hydrated Lime	1012.01
(d) By-Product, Hydrated Lime	1012.02
(e) By-Product, Non-Hydrated Lime	1012.03
(f) Lime Slurry	1012.04
(g) Fly Ash	1010
(h) Soil for Soil Modification (Note 1)	1009.01
(i) Bituminous Materials (Note 2)	1032

Note 1. This soil requirement only applies when modifying with lime (slurry or dry).

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250.”

Revise Article 312.07(c) of the Standard Specifications to read:

“(c) Cement1001”

Add Article 312.07(i) of the Standard Specifications to read:

“(i) Ground Granulated Blast Furnace (GGBF) Slag1010”

Revise the first paragraph of Article 312.09 of the Standard Specifications to read:

“312.09 Proportioning and Mix Design. At least 60 days prior to start of placing CAM II, the Contractor shall submit samples of materials to be used in the work for proportioning and testing.

The mixture shall contain a minimum of 200 lb (120 kg) of cement per cubic yard (cubic meter). Cement may be replaced with fly ash or ground granulated blast furnace (GGBF) slag according to Article 1020.05(c)(1) or 1020.05(c)(2), respectively, however the minimum cement content in the mixture shall be 170 lbs/cu yd (101 kg/cu m). Blends of coarse and fine aggregates will be permitted, provided the volume of fine aggregate does not exceed the volume of coarse aggregate. The Engineer will determine the proportions of materials for the mixture according to the "Portland Cement Concrete Level III Technician Course" manual. However, the Contractor may substitute their own mix design. Article 1020.05(a) shall apply, and a Level III PCC Technician shall develop the mix design."

Revise Article 352.02 of the Standard Specifications to read:

"352.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement (Note 1)	1001
(b) Soil for Soil-Cement Base Course	1009.03
(c) Water	1002
(d) Bituminous Materials (Note 2)	1032

Note 1. Bulk cement may be used for the traveling mixing plant method if the equipment for handling, weighing, and spreading the cement is approved by the Engineer.

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250."

Revise Article 404.02 of the Standard Specifications to read:

"404.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003.08
(d) Bituminous Material (Tack Coat)	1032.06
(e) Emulsified Asphalts (Note 1) (Note 2)	1032.06
(f) Fiber Modified Joint Sealer	1050.05
(g) Additives (Note 3)	

Note 1. When used for slurry seal, the emulsified asphalt shall be CQS-1h according to Article 1032.06(b).

Note 2. When used for micro-surfacing, the emulsified asphalt shall be CQS-1hP according to Article 1032.06(e).

Note 3. Additives may be added to the emulsion mix or any of the component materials to provide the control of the quick-traffic properties. They shall be included as part of the mix design and be compatible with the other components of the mix.

Revise the last sentence of the fourth paragraph of Article 404.08 of the Standard Specifications to read:

“When approved by the Engineer, the sealant may be dusted with fine sand, cement, or mineral filler to prevent tracking.”

Revise Note 2 of Article 516.02 of the Standard Specifications to read:

“Note 2. The sand-cement grout mix shall be according to Section 1020 and shall be a 1:1 blend of sand and cement comprised of a Type I, IL, or II cement at 185 lb/cu yd (110 kg/cu m). The maximum water cement ratio shall be sufficient to provide a flowable mixture with a typical slump of 10 in. (250 mm).”

Revise Note 2 of Article 543.02 of the Standard Specifications to read:

“Note 2. The grout mixture shall be 6.50 hundredweight/cu yd (385 kg/cu m) of cement plus fine aggregate and water. Fly ash or ground granulated blast furnace (GGBF) slag may replace a maximum of 5.25 hundredweight/cu yd (310 kg/cu m) of the cement. The water/cement ratio, according to Article 1020.06, shall not exceed 0.60. An air-entraining admixture shall be used to produce an air content, according to Article 1020.08, of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The Contractor shall have the option to use a water-reducing or high range water-reducing admixture.”

Revise Article 583.01 of the Standard Specifications to read:

“**583.01 Description.** This work shall consist of placing cement mortar along precast, prestressed concrete bridge deck beams as required for fairing out any unevenness between adjacent deck beams prior to placing of waterproofing membrane and surfacing.”

Revise Article 583.02(a) of the Standard Specifications to read:

“(a) Cement1001”

Revise the first paragraph of Article 583.03 of the Standard Specifications to read:

“**583.03 General.** This work shall only be performed when the air temperature is 45 °F (7 °C) and rising. The mixture for cement mortar shall consist of three parts sand to one part cement by volume. The amount of water shall be no more than that necessary to produce a workable, plastic mortar.”

Revise Note 2/ in Article 1003.01(b) of the Standard Specifications to read:

“2/ Applies only to sand. Sand exceeding the colorimetric test standard of 11 (Illinois Modified AASHTO T 21) will be checked for mortar making properties according to Illinois Modified ASTM C 87 and shall develop a compressive strength at the age of 14 days when using Type I, IL, or II cement of not less than 95 percent of the comparable standard.

Revise the second sentence of Article 1003.02(e)(1) of the Standard Specifications to read:

“The test will be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.90 percent or greater.”

Revise the first sentence of the second paragraph of Article 1003.02(e)(3) of the Standard Specifications to read:

“The ASTM C 1293 test shall be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.80 percent or greater.”

Revise the second sentence of Article 1004.02(g)(1) of the Standard Specifications to read:

“The test will be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.90 percent or greater.”

Revise Article 1017.01 of the Standard Specifications to read:

“1017.01 Requirements. The mortar shall be high-strength according to ASTM C 387 and shall have a minimum 80.0 percent relative dynamic modulus of elasticity when tested by the Department according to Illinois Modified AASHTO T 161 or AASHTO T 161 when tested by an independent lab. The high-strength mortar shall have a water-soluble chloride ion content of less than 0.40 lb/cu yd (0.24 kg/cu m). The test shall be performed according to ASTM C 1218, and the high-strength mortar shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. Mixing of the high-strength mortar shall be according to the manufacturer’s specifications. The Department will maintain a qualified product list.”

Revise the fourth sentence of Article 1018.01 of the Standard Specifications to read:

“The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department.”

Revise Article 1019.02 of the Standard Specifications to read:

“1019.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002

- (c) Fine Aggregate for Controlled Low-Strength Material (CLSM) 1003.06
- (d) Fly Ash 1010
- (e) Ground Granulated Blast Furnace (GGBF) Slag..... 1010
- (f) Admixtures (Note 1)

Note 1. The air-entraining admixture may be in powder or liquid form. Prior to approval, a CLSM air-entraining admixture will be evaluated by the Department. The admixture shall be able to meet the air content requirements of Mix 2. The Department will maintain a qualified product list.”

Revise Article 1019.05 of the Standard Specifications to read:

“1019.05 Department Mix Design. The Department mix design shall be Mix 1, 2, or 3 and shall be proportioned to yield approximately one cubic yard (cubic meter).

Mix 1	
Cement	50 lb (30 kg)
Fly Ash – Class C or F, and/or GGBF Slag	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2900 lb (1720 kg)
Water	50-65 gal (248-322 L)
Air Content	No air is entrained

Mix 2	
Cement	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2500 lb (1483 kg)
Water	35-50 gal (173-248 L)
Air Content	15-25 %

Mix 3	
Cement	40 lb (24 kg)
Fly Ash – Class C or F, and/or GGBF Slag	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2500 lb (1483 kg)
Water	35-50 gal (179-248 L)
Air Content	15-25 %”

Revise Article 1020.04, Table 1, Note (8) of the Standard Specifications to read:

“(8) In addition to the Type III portland cement, 100 lb/cu yd of ground granulated blast-furnace slag and 50 lb/cu yd of microsilica (silica fume) shall be used. For an air temperature greater than 85 °F, the Type III portland cement may be replaced with Type I, IL, or II portland cement.”

Revise Article 1020.04, Table 1 (Metric), Note (8) of the Standard Specifications to read:

“(8) In addition to the Type III portland cement, 60 kg/cu m of ground granulated blast-furnace slag and 30 kg/cu m of microsilica (silica fume) shall be used. For an air temperature greater than 30 °C, the Type III portland cement may be replaced with Type I, IL, or II portland cement.”

Revise the second paragraph of Article 1020.05(a) of the Standard Specifications to read:

“For a mix design using a portland-pozzolan cement, portland blast-furnace slag cement, portland-limestone cement, or replacing portland cement with finely divided minerals per Articles 1020.05(c) and 1020.05(d), the Contractor may submit a mix design with a minimum portland cement content less than 400 lbs/cu yd (237 kg/cu m), but not less than 375 lbs/cu yd (222 kg/cu m), if the mix design is shown to have a minimum relative dynamic modulus of elasticity of 80 percent determined according to AASHTO T 161. Testing shall be performed by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete.”

Revise the first sentence of the first paragraph of Article 1020.05(b) of the Standard Specifications to read:

“Corrosion inhibitors and concrete admixtures shall be according to the qualified product lists.”

Delete the fourth and fifth sentences of the second paragraph of Article 1020.05(b) of the Standard Specifications.

Revise the third sentence of the second paragraph of Article 1020.05(b)(5) of the Standard Specifications to read:

“The qualified product lists of concrete admixtures shall not apply.”

Revise second paragraph of Article 1020.05(b)(10) of the Standard Specifications to read:

“When calcium nitrite is used, it shall be added at the rate of 4 gal/cu yd (20 L/cu m) and shall be added to the mix immediately after all compatible admixtures have been introduced to the batch. Other corrosion inhibitors shall be added per the manufacturer's specifications.”

Delete the third paragraph of Article 1020.05(b)(10) of the Standard Specifications.

Revise Article 1020.15(b)(1)c. of the Standard Specifications to read:

“c. The minimum portland cement content in the mixture shall be 375 lbs/cu yd (222 kg/cu m). When the total of organic processing additions, inorganic processing additions, and limestone addition exceed 5.0 percent in the cement, the minimum portland cement content in the mixture shall be 400 lbs/cu yd (237 kg/cu m). For a drilled shaft, foundation, footing, or substructure, the

minimum portland cement may be reduced to as low as 330 lbs/cu yd (196 kg/cu m) if the concrete has adequate freeze/thaw durability. The Contractor shall provide freeze/thaw test results according to AASHTO T 161, and the relative dynamic modulus of elasticity of the mix design shall be a minimum of 80 percent. Testing shall be performed by an independent laboratory accredited by AASHTO as a resource for Portland Cement Concrete. Freeze/thaw testing will not be required for concrete that will not be exposed to freezing and thawing conditions as determined by the Engineer.”

Revise Article 1021.01 of the Standard Specifications to read:

“1021.01 General. Admixtures shall be furnished in liquid or powder form ready for use. The admixtures shall be delivered in the manufacturer's original containers, bulk tank trucks or such containers or tanks as are acceptable to the Engineer. Delivery shall be accompanied by a ticket which clearly identifies the manufacturer, the date of manufacture, and trade name of the material. Containers shall be readily identifiable as to manufacturer, the date of manufacture, and trade name of the material they contain.

Concrete admixtures shall be on one of the Department's qualified product lists. Unless otherwise noted, admixtures shall have successfully completed and remain current with the AASHTO Product Eval and Audit Concrete Admixture (CADD) testing program. For admixture submittals to the Department; the product brand name, manufacturer name, admixture type or types, an electronic link to the product's technical data sheet, and the NTPEP testing number which contains an electronic link to all test data shall be provided. In addition, a letter shall be submitted certifying that no changes have been made in the formulation of the material since the most current round of tests conducted by AASHTO Product Eval and Audit. After 28 days of testing by AASHTO Product Eval and Audit, air-entraining admixtures may be provisionally approved and used on Departmental projects. For all other admixtures, unless otherwise noted, the time period after which provisionally approved status may be earned is 6 months.

The manufacturer shall include the following in the submittal to the AASHTO Product Eval and Audit CADD testing program: the manufacturing range for specific gravity, the midpoint and manufacturing range for residue by oven drying, and manufacturing range of pH. The submittal shall also include an infrared spectrophotometer trace no more than five years old.

For air-entraining admixtures according to Article 1021.02, the specific gravity allowable manufacturing range established by the manufacturer shall be according to AASHTO M 194. For residue by oven drying and pH, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

For admixtures according to Articles 1021.03, 1021.04, 1021.05, 1021.06, 1021.07, and 1021.08, the pH allowable manufacturing range established by the manufacturer shall be according to ASTM E 70. For specific gravity and residue by oven drying, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

All admixtures, except chloride-based accelerators, shall contain a maximum of 0.3 percent chloride by weight (mass) as determined by an appropriate test method. To verify the test result, the Department will use Illinois Modified AASHTO T 260, Procedure A, Method 1.

Prior to final approval of an admixture, the Engineer reserves the right to request a sample for testing. The test and reference concrete mixtures tested by the Engineer will contain a cement content of 5.65 cwt/cu yd (335 kg/cu m). For freeze-thaw testing, the Department will perform the test according to Illinois Modified AASHTO T 161. The flexural strength test will be performed according to AASHTO T 177. If the Engineer decides to test the admixture, the manufacturer shall submit AASHTO T 197 water content and set time test results on the standard cement used by the Department. The manufacturer may select their lab or an independent lab to perform this testing. The laboratory is not required to be accredited by AASHTO.

Random field samples may be taken by the Department to verify an admixture meets specification. A split sample will be provided to the manufacturer if requested. Admixtures that do not meet specification requirements or an allowable manufacturing range established by the manufacturer shall be replaced with new material.”

Revise Article 1021.03 of the Standard Specifications to read:

“1021.03 Retarding and Water-Reducing Admixtures. The admixture shall be according to the following.

- (a) Retarding admixtures shall be according to AASHTO M 194, Type B (retarding) or Type D (water-reducing and retarding).
- (b) Water-reducing admixtures shall be according to AASHTO M 194, Type A.
- (c) High range water-reducing admixtures shall be according to AASHTO M 194, Type F (high range water-reducing) or Type G (high range water-reducing and retarding).”

Revise Article 1021.05 of the Standard Specifications to read:

“1021.05 Self-Consolidating Admixtures. Self-consolidating admixture systems shall consist of either a high range water-reducing admixture only or a high range water-reducing admixture combined with a separate viscosity modifying admixture. The one or two component admixture system shall be capable of producing a concrete that can flow around reinforcement and consolidate under its own weight without additional effort and without segregation.

High range water-reducing admixtures shall be according to AASHTO M 194, Type F.

Viscosity modifying admixtures shall be according to AASHTO M 194, Type S (specific performance).”

Revise Article 1021.06 of the Standard Specifications to read:

“1021.06 Rheology-Controlling Admixture. Rheology-controlling admixtures shall be capable of producing a concrete mixture with a lower yield stress that will consolidate easier for slipform applications used by the Contractor. Rheology-controlling admixtures shall be according to AASHTO M 194, Type S (specific performance).”

Revise Article 1021.07 of the Standard Specifications to read:

“1021.07 Corrosion Inhibitor. The corrosion inhibitor shall be according to one of the following.

(a) Calcium Nitrite. Corrosion inhibitors shall contain a minimum 30 percent calcium nitrite by weight (mass) of solution and shall comply with either the requirements of AASHTO M 194, Type C (accelerating) or the requirements of ASTM C 1582. The corrosion inhibiting performance requirements of ASTM C 1582 shall not apply.

(b) Other Materials. The corrosion inhibitor shall be according to ASTM C 1582.

For submittals requiring testing according to ASTM M 194, Type C (accelerating), the admixture shall meet the requirements of the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01.

For submittals requiring testing according to ASTM C 1582, a report prepared by an independent laboratory accredited by AASHTO re:source for portland cement concrete shall be provided. The report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications. However, ASTM G 109 test information specified in ASTM C 1582 is not required to be from an independent accredited lab. All other information in ASTM C 1582 shall be from an independent accredited lab. Test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall instead be submitted directly to the Department.”

Add Article 1021.08 of the Standard Specifications as follows:

“1021.08 Other Specific Performance Admixtures. Other specific performance admixtures shall, at a minimum, be according to AASHTO M 194, Type S (specific performance). The Department also reserves the right to require other testing, as determined by the Engineer, to show evidence of specific performance characteristics.

Initial testing according to AASHTO M 194 may be conducted under the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01, or by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete. In either case, test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall also be submitted directly to the Department. The independent accredited lab report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications.”

Revise Article 1024.01 of the Standard Specifications to read:

“1024.01 Requirements for Grout. The grout shall be proportioned by dry volume, thoroughly mixed, and shall have a minimum temperature of 50 °F (10 °C). Water shall not exceed the minimum needed for placement and finishing.

Materials for the grout shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003.02
(d) Fly Ash	1010
(e) Ground Granulated Blast Furnace (GGBF) Slag.....	1010
(f) Concrete Admixtures	1021”

Revise Note 1 of Article 1024.02 of the Standard Specifications to read:

“Note 1. Nonshrink grout shall be according to Illinois Modified ASTM C 1107.

The nonshrink grout shall have a water-soluble chloride ion content of less than 0.40 lb/cu yd (0.24 kg/cu m). The test shall be performed according to ASTM C 1218, and the grout shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. Mixing of the nonshrink grout shall be according to the manufacturer’s specifications. The Department will maintain a qualified product list.”

Revise Article 1029.02 of the Standard Specifications to read:

“1029.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement.....	1001
(b) Fly Ash	1010
(c) Ground Granulated Blast Furnace (GGBF) Slag	1010
(d) Water.....	1002
(e) Fine Aggregate.....	1003
(f) Concrete Admixtures	1021
(g) Foaming Agent (Note 1)	

Note 1. The manufacturer shall submit infrared spectrophotometer trace and test results indicating the foaming agent meets the requirements of ASTM C 869 in order to be on the Department’s qualified product list. Submitted data/results shall not be more than five years old.”

Revise the second paragraph of Article 1103.03(a)(4) the Standard Specifications to read:

“The dispenser system shall provide a visual indication that the liquid admixture is actually entering the batch, such as via a transparent or translucent section of tubing or by independent check with an integrated secondary metering device. If approved by the Engineer, an alternate indicator may be used for admixtures dosed at rates of 25 oz/cwt (1630 mL/100 kg) or greater, such as accelerating admixtures, corrosion inhibitors, and viscosity modifying admixtures.”

Revise the first two sections of Check Sheet #11 of the Supplemental Specifications and Recurring Special Provisions to read:

“Description. This work shall consist of filling voids beneath rigid and composite pavements with cement grout.

Materials. Materials shall be according to the following Articles of Division 1000 - Materials of the Standard Specifications:

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fly Ash	1010
(d) Ground Granulated Blast Furnace (GGBF) Slag.....	1010
(e) Admixtures	1021
(f) Packaged Rapid Hardening Mortar or Concrete	1018”

Revise the third paragraph of Materials Note 2 of Check Sheet #28 of the Supplemental Specifications and Recurring Special Provisions to read:

“The Department will maintain a qualified product list of synthetic fibers, which will include the minimum required dosage rate. For the minimum required fiber dosage rate based on the Illinois Modified ASTM C 1609 test, a report prepared by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete shall be provided. The report shall show results of tests conducted no more than five years prior to the time of submittal.”

80460



Illinois Department of Transportation

Memorandum

To: Regional Engineers
From: Jack A. Elston 
Subject: Special Provision for Compensable Delay Costs
Date: January 11, 2019

This special provision was developed to allow the department to pay for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control when a contract delay meets certain criteria. It has been revised to remove the extended traffic control adjustment equations for completion date contracts and simply refer to Article 109.04

This special provision should be inserted into all contracts.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the April 26, 2019 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory January 11, 2019.

80384m

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

“(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

- (1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.
- (2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.
- (3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days.”

Revise Article 107.40(c) of the Standard Specifications to read:

“(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

- (1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

- (2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the

Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

- (3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

- (1) When adverse weather prevents work on the controlling item.
- (2) When job conditions due to recent weather prevent work on the controlling item.
- (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
- (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
- (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.
- (6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

- "(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead

other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited.”

Add the following to Section 109 of the Standard Specifications.

“109.13 Payment for Contract Delay. Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

- (a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.
 - (1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to \$5,000,000	One Project Superintendent
Over \$ 5,000,000 - up to \$25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over \$25,000,000 - up to \$50,000,000	One Project Manager, One Project Superintendent, One Engineer, and

	One Clerk
Over \$50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

80384



Illinois Department of Transportation

Memorandum

To: Regional Engineers
From: Jack A. Elston 
Subject: Special Provision for Construction Air Quality – Diesel Retrofit
Date: September 27, 2024

This special provision was developed by the Bureau of Design and Environment and the Bureau of Construction to reduce construction air emissions from older diesel equipment. It has been revised to update the weblink for the EPA verified technologies list and to eliminate the effective dates for retrofitting as they have all passed.

This special provision should be inserted in all projects within the following counties, townships and precinct; Cook, DuPage, Kane, Lake, McHenry, Will, Jersey, Madison, Monroe, St. Clair, Aux Sable and Goose Lake Township in Grundy County, Oswego Township in Kendall County, and Baldwin Precinct in Randolph County.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the January 17, 2025 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80261m

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010

Revised: January 1, 2025

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term “equipment” refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted according to the table below.

Horsepower Range	Model Year and Older
50-99	2003
100-299	2002
300-599	2000
600-749	2001
750 and up	2005

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

- a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (<https://www.epa.gov/verified-diesel-tech/verified-technologies-list-clean-diesel>), or verified by the California Air Resources Board (CARB) (<http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm>); or
- b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261



Illinois Department of Transportation

Memorandum

To: Regional Engineers
From: Jack A. Elston 
Subject: Special Provision for Hot-Mix Asphalt
Date: September 27, 2024

This special provision was developed by the Central Bureau of Materials to update the maximum theoretical specific gravity (G_{mm}) used in the calculation of HMA density and to allow HMA production to continue after a test strip has been constructed for all HMA Quality Management Programs (PFP, QCP, and QC/QA). It has been revised to address the updated requirements for maintaining active certification in the IDOT Quality Management Training Program, adding the technician trainee role to personnel, and to fix a table reference.

This special provision should be inserted into all HMA paving contracts.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the January 17, 2025 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80456m

HOT-MIX ASPHALT (BDE)

Effective: January 1, 2024

Revised: January 1, 2025

Revise the first and second paragraphs of Articles 1030.06(c)(2) of the Standard Specifications to read:

“(2) Personnel. The Contractor shall provide a QC Manager who shall have overall responsibility and authority for quality control. This individual shall maintain active certification as a Hot-Mix Asphalt Level II technician.

In addition to the QC Manager, the Contractor shall provide sufficient personnel to perform the required visual inspections, sampling, testing, and documentation in a timely manner. Mix designs shall be developed by personnel with an active certification as a Hot-Mix Asphalt Level III technician. Technicians performing mix design testing and plant sampling/testing shall maintain active certification as a Hot-Mix Asphalt Level I technician. The Contractor may provide a technician trainee who has successfully completed the Department's "Hot-Mix Asphalt Trainee Course" to assist in the activities completed by a Hot-Mix Asphalt Level I technician for a period of one year after the course completion date. The Contractor may also provide a Gradation Technician who has successfully completed the Department's "Gradation Technician Course" to run gradation tests only under the supervision of a Hot-Mix Asphalt Level II Technician. The Contractor shall provide a Hot-Mix Asphalt Density Tester who has successfully completed the Department's "Nuclear Density Testing" course to run all nuclear density tests on the job site.”

Revise the second paragraph of Articles 1030.07(a)(11) and 1030.08(a)(9) of the Standard Specifications to read:

“When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be based on the running average of four available Department test results for that project. If less than four G_{mm} test results are available, an average of all available Department test results for that project will be used. The initial G_{mm} will be the last available Department test result from a QMP project. If there is no available Department test result from a QMP project, the Department mix design verification test result will be used as the initial G_{mm} .”

Revise Article 1030.09(g)(2) of the Standard Specifications to read:

“(2) The Contractor shall complete split verification sample tests listed in the Limits of Precision table in Article 1030.09(h)(1).”

In the Supplemental Specifications, replace the revision for the end of the third paragraph of Article 1030.09(h)(2) with the following:

“When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be the Department mix design verification test result.”

Revise the tenth paragraph of Article 1030.10 of the Standard Specifications to read:

“Production is not required to stop after a test strip has been constructed.”

80456



Illinois Department of Transportation

Memorandum

To: Regional Engineers
From: Jack A. Elston 
Subject: Special Provision for Short Term and Temporary Pavement Markings
Date: April 19, 2024

This special provision was developed by the Central Bureau of Operations to restrict the use of pavement marking tapes to Type IV and blackout tape used in short term and temporary applications, as the Type IV material has better reflectivity under wet conditions at a comparable price to the Type III material. It has been revised to allow Type I tape for applications of 14 days or fewer, correct the thickness and skid resistance of Type IV tape, clarify that Type IV tape requires manufacturer pre-approval, and to differentiate blackout tape as its own category.

This special provision should be inserted into contracts with short term or temporary pavement markings.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the April 26, 2024 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80457m

SHORT TERM AND TEMPORARY PAVEMENT MARKINGS (BDE)

Effective: April 1, 2024

Revised: April 2, 2024

Revise Article 701.02(d) of the Standard Specifications to read:

“(d) Pavement Marking Tapes (Note 3) 1095.06”

Add the following Note to the end of Article 701.02 of the Standard Specifications:

“Note 3. White or yellow pavement marking tape that is to remain in place longer than 14 days shall be Type IV tape.”

Revise Article 703.02(c) of the Standard Specifications to read:

“(c) Pavement Marking Tapes (Note 1) 1095.06”

Add the following Note to the end of Article 703.02 of the Standard Specifications:

“Note 1. White or yellow pavement marking tape that is to remain in place longer than 14 days shall be Type IV tape.”

Revise Article 1095.06 of the Standard Specifications to read:

“1095.06 Pavement Marking Tapes. Type I white or yellow marking tape shall consist of glass spheres embedded into a binder on a foil backing that is precoated with a pressure sensitive adhesive. The spheres shall be of uniform gradation and distributed evenly over the surface of the tape.

Type IV tape shall consist of white or yellow tape with wet reflective media incorporated to provide immediate and continuing retroreflection in wet and dry conditions. The wet retroreflective media shall be bonded to a durable polyurethane surface. The patterned surface shall have approximately 40 ± 10 percent of the surface area raised and presenting a near vertical face to traffic from any direction. The channels between the raised areas shall be substantially free of exposed reflective elements or particles.

Blackout tape shall consist of a matte black, non-reflective, patterned surface that is precoated with a pressure sensitive adhesive.

- (a) Color. The white and yellow markings shall meet the following requirements for daylight reflectance and color, when tested, using a color spectrophotometer with 45 degrees circumferential/zero degree geometry, illuminant D65, and two degree observer angle. The color instrument shall measure the visible spectrum from 380 to 720 nm with a wavelength measurement interval and spectral bandpass of 10 nm.

Color	Daylight Reflectance %Y
White	65 min.
Yellow *	36 - 59

*Shall match Aerospace Material Specification Standard 595 33538 (Orange Yellow) and the chromaticity limits as follows.

x	0.490	0.475	0.485	0.530
y	0.470	0.438	0.425	0.456

- (b) Retroreflectivity. The white and yellow markings shall be retroreflective. Reflective values measured in accordance with the photometric testing procedure of ASTM D 4061 shall not be less than those listed in the table below. The coefficient of retroreflected luminance, R_L , shall be expressed as average millicandelas/footcandle/sq ft (millicandelas/lux/sq m), measured on a 3.0 x 0.5 ft (900 mm x 150 mm) panel at 86 degree entrance angle.

Coefficient of Retroreflected Luminance, R_L , Dry					
Type I			Type IV		
Observation Angle	White	Yellow	Observation Angle	White	Yellow
0.2°	2700	2400	0.2°	1300	1200
0.5°	2250	2000	0.5°	1100	1000

Wet retroreflectance shall be measured for Type IV under wet conditions according to ASTM E 2177 and meet the following.

Wet Retroreflectance, Initial R_L	
Color	R_L 1.05/88.76
White	300
Yellow	200

- (c) Skid Resistance. The surface of Type IV and blackout markings shall provide a minimum skid resistance of 45 BPN when tested according to ASTM E 303.
- (d) Application. The pavement marking tape shall have a precoated pressure sensitive adhesive and shall require no activation procedures. Test pieces of the tape shall be applied according to the manufacturer's instructions and tested according to ASTM D 1000, Method A, except that a stiff, short bristle roller brush and heavy hand pressure will be substituted for the weighted rubber roller in applying the test pieces to the metal test panel. Material tested as directed above shall show a minimum adhesion value of 750 g/in. (30 g/mm) width at the temperatures specified in ASTM D 1000. The adhesive shall be resistant to oils, acids, solvents, and water, and shall not leave objectionable stains or residue after removal. The material shall be flexible and conformable to the texture of the pavement.

(e) Durability. Type IV and blackout tape shall be capable of performing for the duration of a normal construction season and shall then be capable of being removed intact or in large sections at pavement temperatures above 40 °F (4 °C) either manually or with a roll-up device without the use of sandblasting, solvents, or grinding. The Contractor shall provide a manufacturer's certification that the material meets the requirements for being removed after the following minimum traffic exposure based on transverse test decks with rolling traffic.

- (1) Time in place - 400 days
- (2) ADT per lane - 9,000 (28 percent trucks)
- (3) Axle hits - 10,000,000 minimum

Samples of the material applied to standard specimen plates will be measured for thickness and tested for durability in accordance with ASTM D 4060, using a CS-17 wheel and 1000-gram load, and shall meet the following criteria showing no significant change in color after being tested for the number of cycles indicated.

Test	Type I	Type IV	Blackout
Minimum Initial Thickness, mils (mm)	20 (0.51)	65 (1.65) ^{1/} 20 (0.51) ^{2/}	65 (1.65) ^{1/} 20 (0.51) ^{2/}
Durability (cycles)	5,000	1,500	1,500

1/ Measured at the thickest point of the patterned surface.

2/ Measured at the thinnest point of the patterned surface.

The pavement marking tape, when applied according to the manufacturer's recommended procedures, shall be weather resistant and shall show no appreciable fading, lifting, or shrinkage during the useful life of the marking. The tape, as applied, shall be of good appearance, free of cracks, and edges shall be true, straight, and unbroken.

(f) Sampling and Inspection.

(1) Sample. Prior to approval and use of Type IV pavement marking tape, the manufacturer shall submit a notarized certification from an independent laboratory, together with the results of all tests, stating that the material meets the requirements as set forth herein. The independent laboratory test report shall state the lot tested, the manufacturer's name, and the date of manufacture.

After initial approval by the Department, samples and certification by the manufacturer shall be submitted for each subsequent batch of Type IV tape used. The manufacturer shall submit a certification stating that the material meets the requirements as set forth herein and is essentially identical to the material sent for qualification. The certification shall state the lot tested, the manufacturer's name, and the date of manufacture.

- (2) Inspection. The Contractor shall provide a manufacturer's certification to the Engineer stating the material meets all requirements of this specification. All material samples for acceptance tests shall be taken or witnessed by a representative of the Bureau of Materials and shall be submitted to the Engineer of Materials, 126 East Ash Street, Springfield, Illinois 62704-4766 at least 30 days in advance of the pavement marking operations."

80457



Illinois Department of Transportation

Memorandum

To: Regional Engineers
From: Jack A. Elston 
Subject: Special Provision for Subcontractor Mobilization Payments
Date: January 11, 2019

This special provision was developed by the Bureau of Construction and Office of Chief Council to comply with Illinois Procurement Code 30 ILCS 500/30-50. It has been revised to shorten the timing of the mobilization payment from “at least 14 days” to “at least 7 days” prior to the subcontractor starting work

This special provision should be inserted into all contracts.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the April 26, 2019 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

This special provision will be available on the transfer directory
January 11, 2019.

80391m

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

“This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor’s work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%”

80391



Illinois Department of Transportation

Memorandum

To: Regional Engineers
From: Jack A. Elston 
Subject: Special Provision for Vehicle and Equipment Warning Lights
Date: August 5, 2022

This special provision was developed to improve work zone safety by requiring the Contractor's vehicles and equipment to be equipped with warning lights.

This special provision should be inserted into contracts with closed lane construction. It should not be used with moving operations only contracts.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the November 18, 2022 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80439m

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021

Revised: November 1, 2022

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

“The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations.”

80439



Illinois Department of Transportation

Memorandum

To: Regional Engineers
From: Jack A. Elston 
Subject: Special Provision for Work Zone Traffic Control Devices
Date: September 27, 2024

This special provision was developed by the Bureau of Safety Programs and Engineering to update temporary traffic control devices to MASH-16 requirements in accordance with AASHTO and FHWA guidelines. It has been revised to eliminate the sunset date for Category 1 and Category 2 work zone devices, requiring them to be MASH compliant.

This special provision should be inserted into all contracts.

The districts should include the BDE Check Sheet marked with the applicable special provisions for the January 17, 2025 and subsequent lettings. The Project Coordination and Implementation Section will include a copy in the contract.

80427m

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020
Revised: January 1, 2025

Add the following to Article 701.03 of the Standard Specifications:

“(q) Temporary Sign Supports 1106.02”

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

“For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer’s specifications.”

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

“**701.15 Traffic Control Devices.** For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer’s self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device.”

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

“**1106.02 Devices.** Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices shall be MASH compliant.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices shall be MASH compliant.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant

with NCHRP 350, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

Category 4 includes portable or trailer-mounted devices such as sign supports, speed feedback displays, arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019 to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

For each type of device, when no more than one MASH compliant is available, an NCHRP 350 compliant device may be used, even if manufactured after December 31, 2019.”

Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

“(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.

(k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.

(l) Movable Traffic Barrier. The movable traffic barrier shall be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis.”

80427



Local Public Agency

County

Section Number

Village of Buffalo Grove

Cook

The following Special Provision supplement the "Standard Specifications for Road and Bridge Construction", adopted

January 1, 2022

, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specification and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of the above named section, and in case of conflict with any parts, or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

2025 Mill Creek Street and Utility Project

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General Conditions

1. General Conditions

It is the policy of the Municipality and other governing agencies to set standards for the performance of road and bridge construction. This contract shall expressly adhere to the 'Standard Specifications for Road and Bridge Construction', latest edition, and the 'Standard Specifications for Water and Sewer Main Construction in Illinois', latest edition, unless otherwise specified herein.

2. Scope of Work

The provisions of Article 104.02 of the Standard Specifications are hereby amended as follows: **"The Village of Buffalo Grove (Village) expressly reserves the right to remove from or add to the project any portions thereof included in the 2025 Mill Creek Street and Utility Project. Such reductions or additions, if any, shall be made in writing by the Village prior to execution of the Contract Documents. Any reduction in the scope of work required by the Village prior to the execution of the Contract Documents shall not result in an adjustment to the contract or to the price originally bid."**

3. Definition of Village of Buffalo Grove

All references in the contract relating to the Department, Awarding Authority, Village of Buffalo Grove, Village, etc. shall mean the Village of Buffalo Grove.

4. Clean Construction and Demolition Debris (CCDD) Material Disposal

Work under this item shall be performed in compliance with the Illinois Environmental Protection Agency (IEPA) guidelines in effect at the time of construction.

The Contractor will be required to make all arrangements for coordination and submission of the necessary documents with their chosen CCDD or other suitable disposal facility. Written confirmation of preliminary approval must be provided from the disposal facility and confirmed by the Owner as acceptable.

All surplus, clean material generated from the Contractor's activities must be disposed of at an IEPA permitted CCDD or otherwise acceptable facility. The Contractor is responsible for providing documentation to the Village for each load hauled off-site showing the quantity of material and the location the material was disposed of.

Disposal of clean material not in compliance with these requirements will constitute breach of contract. If the Contractor fails to provide adequate documentation supporting the legal disposal of clean material according to this special provision, the Contractor shall be fined \$1,000 per load of material and will assume all liability associated with material disposed of not in compliance with this special provision.

No extra compensation will be allowed to the Contractor for any expenses incurred complying with these requirements including but not limited to: delays, inconvenience, or interruptions in the work resulting from compliance with these requirements. All costs associated with material disposal shall be included into the appropriate unit bid prices for the work.

5. JULIE Notification

The Contractor shall call the Joint Utility Locating Information for Excavators (JULIE) (1-800-892-0123 or 811), a minimum of forty-eight (48) hours in advance of work being done in the area in accordance with Article 107.39 of the Standard Specifications.

For utilities which are not members, excluding homeowners, the Contractor shall contact the owners directly. The Contractor will be required to cooperate with all utility companies and municipal agencies involved in connection with the removal, temporary relocation, reconstruction or abandonment by these agencies of any and all services.

No additional compensation will be allowed the Contractor for any expense incurred by complying with these requirements, or because of delays, inconvenience or interruptions in his work resulting from the failure of the municipal agencies or utility company to remove, relocate, reconstruct or abandon their services.

6. Notice to Bidders

All bid proposals must be submitted electronically through the Village's Vendor Registry online procurement system. **Hard copy bids will not be accepted.** As read results of the bids will be posted to the Village's webpage, www.vbg.org/bids as soon as possible following the bid opening. In order to submit a bid proposal, bidders

- a. Go to www.vbg.org/bids
- b. Select on the project description, '2025 Mill Creek Street and Utility Project' and click the large red button at the top

SUBMIT BID

- c. Log in to your account and enter your total bid.
- d. Include an attachment (up to 200 MB), the following bid documents only:
 - i. Local Public Agency Formal Contract Proposal
 - ii. Schedule of Prices
 - iii. Local Agency Proposal Bid Bond
- e. The following documents will be requested by the two (2) as read low bidders immediately following the bid opening:
 - i. Affidavit of Illinois Business Office
 - ii. Affidavit of Availability
 - iii. Village of Buffalo Grove Public Contract Statements

All bids will be opened and read publicly via the Microsoft Teams video conferencing platform.

Please join on your computer, mobile app or room device

<https://rb.gy/sa1z5u>

Meeting ID: 232 452 590 447

Passcode: nnzhG9

7. Village Contractor Registration

Bidders shall be prequalified with the Illinois Department of Transportation in accordance with Article 102.01 of the Standard Specifications and is required by all bidders.

All bidders are required to fully register with the Village of Buffalo Grove, including IRS Form W-9, at:

<https://vrapp.vendorregistry.com/Vendor/Register/Index/buffalo-grove-village-of-il-vendor-registration>

OR

www.vbg.org/bids

Select the link 'Register My Business'

Please contact Vendor Registry at (844) 802-9202 for assistance in the registration process.

The Village of Buffalo Grove reserves the right to reject any or all proposals if the bidder does not comply with the requirements as stated herein.

8. Completion Date

The Contractor shall commence the work to be performed under this contract, 10 days following the execution of the contract. The work shall be prosecuted in such a manner and with such a supply of materials, equipment and labor as considered necessary to ensure its completion according to the time specified in the contract. The Contractor shall substantially complete all work in the contract by **Friday, June 13, 2025** including landscape restoration, as defined in Article 108.04 of the Standard Specifications.

Following substantial completion, the Contractor shall provide the Engineer written notice in accordance with Article 105.13 of the Standard Specifications. The Contractor will have fourteen (14) calendar days to correct any deficiencies following the scheduled final inspection and punch list submittal by the Engineer.

In case of failure to complete the work on time by the interim completion date, final completion date, working days, and/or the deficient punch list items, the provisions of Article 108.09 of the Standard Specifications shall apply, **except regardless of the contract amount, the daily charge shall be \$2,000 per calendar day overrun.**

The estimated Village Board award date for this project is Monday, January 20, 2025 with an anticipated commencement date of Monday, February 24, 2025.

9. Contract Sequencing

The Contractor shall notify the Engineer at least 72 hours in advance of beginning work and 48 hours prior to construction commencement on each subsequent street. Construction operations shall be conducted in a manner such that streets will remain open to all traffic. At no time shall residents or business owners be kept out of their driveway over a weekend or holiday as defined in Article 107.09 of the Standard Specifications.

Work shall be scheduled so that it is continuous on the various roadways. The Contractor and approved Subcontractor(s) shall, at all times, employ and provide sufficient labor, tools, equipment, multiple mobilizations, and other incidental items for prosecuting the work to full completion in the manner and time required by the contract.

No work within the IDOT right of way shall be permitted until an IDOT permit is received.

10. Construction Work Periods

Construction operations shall be completed in accordance with Article 107.09 of the Standard Specifications. All work shall be confined to the period beginning at 7:00 AM and ending at 6:00 PM on weekdays. No work shall be done on Sundays or legal holiday periods as defined in article 107.09 of the Standard Specifications.

No work shall be permitted on Saturday's unless prior written approval is granted by the Village. All requests to work on a Saturday shall be submitted by 4:00 PM, the Wednesday prior to the date requested. If work is allowed, it shall be confined to the period beginning at 8:30 AM to 6:00 PM. The completion date shall be reduced by one (1) full calendar day for each Saturday the Contractor elects to work, regardless if the Saturday worked is a full or partial working day.

Any work outside the allowed time periods in accordance with the Village Ordinance, including but not limited to, material deliveries, mobilization of equipment, warming up machinery, or truck staging, a penalty of \$1,000 per occurrence may be imposed.

11. Pre-Construction Meeting

Prior to commencing any construction operations, there shall be a pre-construction meeting. The Village or Engineer will set the time and date of the meeting following Contract award.

The following shall be submitted by the Contractor for review at the pre-construction meeting:

A Progress Schedule in accordance with Article 108.02.

The 24-hour emergency phone number and contact information of the assigned Contractor's superintendent, or otherwise.

The name and 24-hour emergency phone number of the person in the direct employ of the Contractor who is responsible for administrating the Traffic Control and Protection on the Contract

A list of subcontractors with contact information, including but not limited to name, phone number, and email address, and include quantity and type of work to be sublet for each respective subcontractor in accordance with Article 108.01 of the Standard Specifications.

A list of proposed sources of material.

Hot-mix asphalt and concrete mix designs, and respective quality control plans.*

Any applicable shop drawing submittals.*

*Shop drawings and mix designs for concrete and bituminous items to be installed on the project shall be submitted to the Village no less than ten (10) calendar days from the effective notice to proceed dated letter or the scheduled date of the pre-construction meeting, whichever occurs earlier. A monetary penalty of \$500 may be imposed for each required submittal thereafter.

12. Sub-Contracting

Add the following to the end of ARTICLE 108.01 SUBCONTRACTING.

"The apparent low Bidder on a "Request for Approval of a Subcontractor" (BC 260a) form shall submit to the office of Engineer within ten (10) calendar days after the receipt of bids, a list of the names of Bidder's proposed subcontractors along with a description of the work to be performed by each. The Village will then review and reserves the right to reject the use of any subcontractor on the project due to past performance or the apparent inability to properly perform the item of work."

13. Authority of the Engineer

Revise ARTICLE 105.01 AUTHORITY OF ENGINEER to read:

"All work shall be done in accordance with the requirements of the Contract, the Engineer shall have the right, but not the obligation, to observe all work. The Engineer shall decide all questions that arise as to the interpretation of the Plans and Specifications and as to disputes and mutual rights between Contractors under the Specifications. The Engineer shall advise the Village of Buffalo Grove as to the quality and acceptability of materials furnished and work performed, rate of progress of the work, and acceptable fulfillment of the Contract. The Engineer will determine the amount of materials furnished and work performed. The Engineer's advice and determinations shall be conditions precedent to the right of the Contractor to receive money due the Contractor under the Contract."

"The Engineer will notify the Contractor in writing if the work is to be suspended by the Village of Buffalo Grove wholly or in part due to the failure of the Contractor to carry out provisions of the contract; for failure to carry out orders; for such periods due to unsuitable weather; for conditions considered unsuitable for the prosecution of the work or for any other condition or reason deemed to be in the public interest."

"In case of failure on the part of the Contractor to execute work as directed by the Engineer, the Village of Buffalo Grove may, at the expiration of a period of 48 hours after giving notice in writing to the Contractor, proceed to execute such work as may be deemed necessary, and the cost thereof shall be deducted from compensation due or which may become due to the Contractor under the contract."

The Engineer shall not assume any of the responsibilities of the Contractor's superintendent or of subcontractors; shall not expedite the work for the Contractor; and shall not advise on, or issue directions concerning aspects of construction means, methods, techniques, sequences or procedures, or safety precautions in connection with the work.

14. Status of Utilities

Effective: June 1, 2016
Revised: January 1, 2020

Utility companies and/or municipal owners located within the construction limits of this project have provided the following information regarding their facilities and the proposed improvements. The tables below contain a description of specific conflicts to be resolved and/or facilities which will require some action on the part of the Department's contractor to proceed with work. Each table entry includes an identification of the action necessary and, if applicable, the estimated duration required for the resolution.

UTILITIES TO BE ADJUSTED

Conflicts noted below have been identified by following the suggested staging plan included in the contract. The company has been notified of all conflicts and will be required to obtain the necessary permits to complete their work; in some instances, resolution will be a function of the construction staging. The responsible agency must relocate, or complete new installations as noted below; this work has been deemed necessary to be complete for the Department's contractor to then work in the stage under which the item has been listed.

This list represents potential utility conflicts determined by the Design Engineer. A response has not been provided by the responsible agency to-date.

Stage/Location	Type	Description	Responsible Agency

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility. The Design JULIE locate request was submitted on August 30, 2023 by the Design Engineer.

Agency/Company Responsible to Resolve Conflict	Name of Contact	Phone	E-mail address
AT&T Distribution	Chris Cass	(630) 573-5715	Cc4361@att.com
Comcast	Nick Mihalka		Nicholas_Mihalka@cable.comcast.com
ComEd	Lisa Argast	(630) 437-3381	Lisa.argast@comed.com
Nicor Gas	Sakibul Forah	(630) 388-2903	sforah@southernco.com
UPN Fiber	Sam Vohsen	(816) 814-9768	UPNGIS@upnfiber.com

UTILITIES TO BE WATCHED AND PROTECTED

The areas of concern noted below have been identified by following the suggested staging plan included for the contract. The information provided is not a comprehensive list of all remaining utilities, but those which during coordination were identified as ones which might require the Department's contractor to take into consideration when making the determination of the means and methods that would be required to construct the proposed improvement. In some instances, the contractor will be responsible to notify the owner in advance of the work to take place so necessary staffing on the owner's part can be secured.

No facilities requiring extra consideration.

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility. The Design JULIE locate request was submitted on August 30, 2023 by the Design Engineer.

(See previous Contact Information Table above.)

The above represents the best information available to the Department and is included for the convenience of the bidder. The days required for conflict resolution should be considered in the bid as this information has also been factored into the timeline identified for the project when setting the completion date. The applicable portions of the Standard Specifications for Road and Bridge Construction shall apply.

Estimated duration of time provided above for the first conflicts identified will begin on the date of the executed contract regardless of the status of the utility relocations. The responsible agencies will be working toward resolving subsequent conflicts in conjunction with contractor activities in the number of days noted.

The estimated relocation duration must be part of the progress schedule submitted by the contractor. A utility kickoff meeting will be scheduled between the Department, the Department's contractor and the utility companies when necessary. The Department's contractor is responsible for contacting J.U.L.I.E. prior to all excavation work.

15. Maintenance of Roadways and Erosion Control

Beginning on the date that the Contractor begins work on this project, he shall assume responsibility for normal maintenance of all existing roadways and trenches within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the contract documents.

The Contractor shall be required to control dust or air-borne dirt resulting from construction operations by utilizing a mechanical street sweeper on all pavement within or adjacent to the project work zone throughout the duration of the project. The resulting debris shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications. Individual fire hydrant use shall not be permitted to control dust at specific locations. The Contractor shall provide dust control operations daily, throughout the project limits and adjacent streets.

At the direction of the Engineer, a professional street sweeper may be requested on a weekly basis or as deemed necessary by the Village or Engineer.

The cost of this work shall be included in the unit prices bid and no additional compensation shall be allowed to control dust as specified herein.

No excavations shall be left open during non-work hours unless approved by the Engineer and adequately protected from the public.

The Contractor will be required over the course of construction to clean inlet filter baskets weekly or prior to a forecasted rain event. Many of the homes in the Village have lower garages and are susceptible to damage when streets flood. The Contractor shall be held liable for any damage to private structures if it is determined that the damage was due to the Contractor's neglect as specified herein. In the event water is not properly running through inlet filter baskets caused by debris, the Village crews may respond to resident calls about street flooding. Any Village expense occurred in labor or materials responding to these calls will be back charged to the Contractor and deducted from a future pay request.

The Contractor will be required to perform erosion control best management practices as listed on the plans, specifications, and details during construction. Discharge of sediment-laden water or construction debris into the storm sewer system or waterways will not be permitted and subjected to a monetary penalty as noted in the monetary penalties general condition. In addition, the Contractor will be responsible for cleaning all storm sewer systems and waterways to their preconstruction condition to the satisfaction of the Engineer. In the event of an illicit discharge, regardless of blame, the Contractor shall concentrate their work efforts on remedying the situation to correct the deficiency.

The work zone shall be maintained in accordance with Section 701 of the Standard Specifications. Negligence by the Contractor to follow these minimum guidelines that result in or cause damage to Village equipment during snow fall removal or any other similar Village operation will be the direct responsibility of the Contractor to repair. The repair will be completed by the Village and the cost of the repair will be deducted from the next pay request due to the Contractor.

It shall be the Contractor's responsibility to properly store and protect materials and equipment from damage resulting from snow removal and salt application operations. If it is determined by the Village or Engineer that new materials that were supposed to be permanently incorporated in the work were damaged or deemed unacceptable due to the Contractor's negligence to adhere to the above, the unacceptable material shall be removed immediately from the site of the work according to Section 106 of the Standard Specifications and no additional compensation shall be allowed to replace the new materials in-kind.

Within 24 hours following snow removal operations within the project limits, the Contractor shall be required to clean the project site and adjacent roadways of any loose materials that were inadvertently displaced. This includes, but is not limited to, the pavement area, curb line, driveway pavement, sidewalk, and parkways. If the Contractor does not comply with this requirement, a monetary penalty of \$1,000 per calendar day will be imposed for failure to provide the maintenance of roadway in a timely manner.

All operations by the Contractor such as flushing, dewatering, leaking water trucks or equipment, repairs to broken water services or water main, or similar that cause freezing of water on the pavement or sidewalk shall be maintained by salting, sanding or removal of the condition by the Contractor to the satisfaction of the Engineer.

If items of work have not been provided for in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

16. Construction Staging and Maintenance of Base Course

All pavement removal, curb installation, and hot-mix asphalt binder installation shall be completed in accordance with Section(s) 202, 406, 423, 440, and 606 of the Standard Specifications and as specified herein.

Pavement removal and hot-mix asphalt binder course placement shall be staged in a manner to minimize the exposure of vehicular traffic over the existing base course following pavement removal.

No pavement removal operations shall commence if rain is in the forecast within the following five working days. If the Contractor does not follow this requirement, any diskings, drying or undercut operations required by the Engineer to provide a sufficient subbase prior to paving shall be completed by the Contractor at no additional cost to the Village.

Roadways excavated to subgrade and/or subbase material shall have the hot-mix asphalt binder course installed within seven (7) calendar days from the first day of pavement removal on that respective street segment.

There shall be no placement of hot-mix asphalt permitted on scheduled days of refuse pickup. The Contractor shall be responsible for determining the current refuse schedule and incorporating it into their progress schedule accordingly.

No resident shall be without driveway access and no sidewalk shall be barricaded or closed for more than seven (7) calendar days unless specifically listed otherwise in the plans or herein.

Prior to driveway access impediment due to proposed curb and gutter or driveway pavement operations, the Contractor shall be required to deliver resident notification letters approved by the Engineer to each respective residence or business owner notifying them of the day and time they will not be able to get in and out of their driveway. After the new concrete curb has set, the Contractor shall install all required forms for installation of the driveway pavement for inspection by the Engineer. The Contractor is required to install curb and driveway pavement within two (2) calendar days of each other. Example: If the curb is poured on Monday the driveways will be required to be poured on the same day after the curb is set or on Tuesday. If the curb in front of the resident is not being replaced the Contractor shall frame and pour the driveway on the same day. The driveways shall be properly barricaded until the concrete is sufficiently cured. If, at the discretion of the Engineer, the driveway requires that the old aggregate base course be removed and replaced, it shall be completed prior to pouring the new concrete combination curb & gutter or not until after it has been allowed to cure for a minimum of three (3) calendar days, or after the concrete has reached 2,500 psi as verified by cylinder breaks. Any additional cylinders cast and testing costs associated with this verification shall be included in the cost of the contract. Proposed portland cement concrete sidewalk shall follow the same timeframe as noted above.

If the Contractor does not install proposed concrete curb, driveway pavement, and/or sidewalk in the time frame specified herein, a monetary penalty of \$250 per calendar day will be imposed for each day, and each occurrence the work is not completed.

The Contractor will be required to furnish and install a temporary ramp immediately following pavement removal operations. Each ramp shall be installed the full driveway width of material determined by the Contractor. Each temporary ramp shall be removed prior to paving operations, the respreading of stone on the base or paving over hot-mix asphalt ramps will not be allowed. If the Contractor fails to install or maintain a temporary ramp in a timely manner, a monetary penalty of \$250 per calendar day will be imposed.

The Contractor shall make themselves aware of the surroundings and of private property. The Village will not tolerate entering private property or driving equipment/vehicles on a driveway within the public right of way to remain for any reason during construction unless prior approval has been granted by the property owner. The Contractor will incur a monetary penalty of \$500 per occurrence as determined by the Engineer for violation of this requirement.

17. Period of Establishment

This work shall include all labor, material, and equipment necessary to furnish and install pulverized topsoil, seed, fertilizer nutrients and Mulch Method 3A in accordance with Sections 211, 250, 251, and 252 of the Standard Specifications and as specified herein.

Pulverized topsoil shall be placed to a maximum depth of four (4) inches and not be placed until the area has been shaped, trimmed, and finished to the lines and grades as directed by the Engineer. All irregularities, depressions, or high points in the surface shall be filled or smoothed out before topsoil is placed. The surface of the topsoil shall be blended to match the existing terrain and adjacent roadway, and be free from clods, stones, sticks, and debris.

The Contractor shall furnish and place the IDOT class of seed specified, and be produced and tested in the current year, be of good quality, and free of weeds. Fertilizer nutrients shall be applied at a 1:1 ratio in accordance with Article 250.04 of the Standard Specifications. Within 24 hours of seed placement, mulch shall be placed by method 3A in accordance with Article 251.03(d) of the Standard Specifications.

It is recommended that the Contractor water the area every other day at a rate of three (3) gallons per square yard, however, it is the sole and exclusive responsibility of the Contractor to make required adjustments to the watering rate or schedule.

To be acceptable for final payment, the landscaped areas shall undergo a 30-day period of establishment beginning on the last day that seed is sowed. During this period, the Contractor shall be responsible for, at no additional cost to the Village, watering, removing weeds and maintaining the seeded areas and repairing any damage to the seeded areas due to but not limited to, errant vehicles, severe weather or all other causes. At the end of the 30-day period of establishment, the Village or Engineer will inspect the landscaped area and if deemed unsatisfactory, the Contractor shall be required to provide means and methods necessary to establish a live, healthy turf area. Should the seed not germinate because of prevailing cool weather, the period of establishment may be adjusted as determined by the Engineer. It shall

be the sole and exclusive responsibility of the Contractor, not the Engineer, for maintaining and monitoring the landscape restoration during the period of establishment. If the placed landscape restoration has not been approved by the Village or Engineer sixty (60) calendar days following installation, the Contractor will incur a monetary penalty of \$250 per calendar day.

Upon project completion and expiration of the second period of establishment noted above, any additional failure by the Contractor to achieve a healthy growth of vegetation as defined will be considered failure to complete the project on time and liquidated damages will be applied accordingly.

Planting times shall be performed when the ambient temperature has been between 45°F and 80°F for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.

The Contractor shall provide the Engineer with proper documentation on the landscaping materials supplied to the project such as topsoil source, topsoil certification, fertilizer bags, seed tags, and seed bags.

Upon placement of topsoil, seed, fertilizer nutrients, and mulch, 75 percent of each respective pay item will be paid. Upon final acceptance of the topsoil, seed, fertilizer nutrients, and mulch placed, the remaining 25 percent of each respective pay item will be paid.

The Village may postpone permanent seeding operations if deemed necessary. In such an event, the completion date may be extended accordingly.

18. Protection of Mailboxes

The Contractor shall take all necessary precautions when working near mailboxes within or adjacent to the project limits. If at the Contractor's discretion, a mailbox will interfere with construction operations, a temporary mailbox shall be located per the United States Postal Service requirements and the permanent mailbox reinstalled following said operation. At no time shall a resident be without a mailbox or not receive mail due to a mailbox being removed, replaced or damaged. The Contractor shall replace, at no additional cost to the Village, any mailbox or post which has been damaged by the Contractor's operations due to neglect, misconduct or poor workmanship. The cost of all materials required and all labor necessary to comply with the above Provisions will not be paid for separately, but shall be considered as included in the unit prices bid and no additional compensation will be allowed.

The Contractor shall refer to the mailbox installation detail included in appendix A for installation requirements.

The Contractor must maintain access for both residents and mail carriers to all mailboxes throughout the duration of the project.

19. Saw Cutting

The Contractor shall be required to perform a perpendicularly straight joint by full-depth machine sawing of all proposed items to be removed prior to removal operations to prevent damage or spalling to existing hardscape to remain. Simple or partial depth scoring shall not be permitted. Saw cut locations may or may not be shown on the plans, however, shall be required in the field. All sawcut slurry, regardless of the amount, shall be promptly removed to prevent tracking. Any slurry tracked or left on surfaces to remain shall be thoroughly cleaned or replaced, at the direction of the Village or Engineer, by the Contractor at no additional cost to the Village.

The Contractor shall replace, at no additional cost to the Village, any hardscape, outside of the limit of improvements, damaged by the Contractor's operations due to neglect, misconduct, or poor workmanship.

20. Use of Fire Hydrants

The indiscriminate use of fire hydrants is strictly prohibited. The Contractor can obtain non-potable water in bulk for a charge at Buffalo Grove's self-serve Water Station located at 851 Krause Drive. There is a credit card reader attached to the station for payment. The Contractor shall provide a water truck or containment and driver to obtain and transport the water. If it is determined that the Contractor or its subcontractors operate or use a Village fire hydrant, a monetary penalty of \$1,000 per occurrence that will be imposed.

21. Existing Hardscape

Any damage to existing hardscape from tracked equipment or due to the Contractor's negligence, workmanship, or neglect shall be replaced at the Contractor's expense. It is recommended rubber tired or rubber tracked equipment is used. Any unwarranted disturbance to the existing hardscape to remain will warrant repairs made joint to joint and in conformance with the bid documents with limits specified in the Maintenance

Letter of Credit general condition. The Engineer and Village shall determine the limit of removal and replacement operations, and all work shall be completed to the satisfaction of the Engineer.

22. Tree Protection and Preservation

This work shall consist of pruning existing trees, shrubs, or bushes in accordance with Section 201 of the Standard Specifications, except as modified herein.

Breaking off branches of plant material to remain during clearing or construction operations will not be allowed. Preceding any existing tree pruning or trimming operations, the Contractor shall demonstrate that there is no other practical method to complete the work and request permission from the Engineer. All pruning shall be done according to the current ANSI A300 (Part 1) – Pruning Standard.

All branches and foliage pruned or trimmed shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications.

All existing trees larger than 6" in diameter and not specifically designated for removal, which are removed or damaged due to the Contractor's neglect, shall be inspected by the Village Forester or his designated representative. For each infraction that causes damage to a tree, a monetary penalty of \$1,000 may be imposed and the replacement of the damaged tree required, depending on the extent of injury caused to each tree. No replacement tree shall have a diameter of less than 3" or more than 6", unless authorized by the Village of Buffalo Grove. All new plantings shall be completed in accordance with Section 253 of the Standard Specifications.

23. Use of the Work Site

The Contractor shall use the Work Site solely to complete the Work and such related activities as may be authorized or directed by the Village. Except as provided herein, Contractor shall not (nor shall Contractor cause or permit any employee or person under Contractor's control) to display or broadcast commercial, political, or religious messages or advertisements of any nature at the Work Site or in connection with the Work. The foregoing shall not be construed to prohibit the following at the Work Site or in connection with the Work: (a) the use of equipment, materials, or other items (e.g. personnel uniforms and clothing) that identify the Contractor (such as by displaying the Contractor's name, logo, slogan, contact information, or similar messages) or that identify the maker or supplier of such equipment, material, or item; or (b) the use or display of signs, flags, cones, traffic control devices, markers, or other similar devices that reasonably relate to the Work, Work Site safety, public safety, or regulatory compliance; or (c) personal speech, religious practice, or expression by any individual performing Work or at the Work Site; or (d) upon written approval or direction of the Village, the display of information regarding the sponsor of the Work or funding sources for the Work.

In addition, Contractor shall not (nor shall Contractor require or permit its personnel, subcontractors, or subcontractors' personnel to) conduct any prohibited political activity at the Work Site or while performing the Work. Contractor and its personnel or subcontractors (including any subcontractor's personnel) shall not intentionally or knowingly use the Work Site or any other property or resources of the Village in connection with any prohibited political activity. For purposes of this section, the term "prohibited political activity" shall have the meaning set forth in Section 5 of the State Officials and Employees Ethics Act, 5 ILCS 430/1-5.

24. Indemnification

To the fullest extent permitted by law, the Contractor agrees to defend, pay on behalf of, indemnify, and hold harmless the Village, its elected and appointed officials, agents, employees and volunteers and others working on behalf of the Village against any and all claims, demands, suits or loss, including all costs connected therewith, and for any damages which may be asserted, claimed or recovered against or from the Village, its elected and appointed officials, agents, employees and volunteers and others working on behalf of the Village, by reason of personal injury, including bodily injury and death, and/or property damage, whether damage to property of the Village or of a third party, including loss of use thereof, which arises out of or is in any way connected or associated with the Contract and the Work.

For this project, the Village also hired a Consultant, Gewalt Hamilton Associates. The Contractor shall indemnify the Consultant in the same manner as the Village, as stated above.

25. Insurance Requirements

12.04.080 - Insurance.

- A. Required Coverages and Limits. Unless otherwise provided by franchise, license, or similar agreement, each Contractor occupying right-of-way or constructing any facility in the right-of-way shall secure and maintain the following liability insurance policies insuring the Contractor as named insured and naming the Village, and its elected and appointed officers, officials, agents, and employees and

Gewalt Hamilton Associates, Inc. and employees as additional insureds on the policies listed in subsection (A)(1) and (A)(2) of this section:

1. Commercial general liability insurance, including premises-operations, explosion, collapse, and underground hazard (commonly referred to as "X," "C," and "U" coverages) and products-completed operations coverage with limits not less than:
 - a. Five million dollars for bodily injury or death to each person,
 - b. Five million dollars for property damage resulting from any one accident, and
 - c. Five million dollars for all other types of liability;
2. Automobile liability for owned, non-owned and hired vehicles with a combined single limit of one million dollars for personal injury and property damage for each accident;
3. Worker's compensation with statutory limits; and
4. Employer's liability insurance with limits of not less than one million dollars per employee and per accident.

If the Contractor is not providing such insurance to protect the contractors and subcontractors performing the work, then such contractors and subcontractors shall comply with this section.

- B. Excess or Umbrella Policies. The coverages required by this section may be in any combination of primary, excess, and umbrella policies. Any excess or umbrella policy must provide excess coverage over underlying insurance on a following-form basis such that when any loss covered by the primary policy exceeds the limits under the primary policy, the excess or umbrella policy becomes effective to cover such loss.
- C. **Copies Required. The Contractor shall provide copies of any of the policies including all endorsements or certificates required by this section to the Village within ten calendar days following receipt of a written request therefor from the Village.**
- D. Maintenance and Renewal of Required Coverages. The insurance policies required by this section shall contain the following endorsement:

"It is hereby understood and agreed that this policy may not be canceled nor the intention not to renew be stated until thirty (30) calendar days after receipt by the Village, by registered mail or certified mail, return receipt requested, of a written notice addressed to the Village Manager of such intent to cancel or not to renew."

Within ten (10) calendar days after receipt by the Village of said notice, and in no event later than ten (10) calendar days prior to said cancellation, the Contractor shall obtain and furnish to the Village evidence of replacement insurance policies meeting the requirements of this section.

- E. Self-Insurance. A Contractor may self-insure all or a portion of the insurance coverage and limit requirements required by subsection A of this section. A Contractor that self-insures is not required, to the extent of such self-insurance, to comply with the requirement for the naming of additional insureds under subsection A of this section, or the requirements of subsections B through D of this section. A Contractor that elects to self-insure shall provide to the Village evidence sufficient to demonstrate its financial ability to self-insure the insurance coverage and limit requirements required under subsection A of this section, such as evidence that the Contractor is a "private self-insurer" under the Workers Compensation Act.
- F. Effect of Insurance and Self-Insurance on Contractor's Liability. The legal liability of the Contractor to the Village and any person for any of the matters that are the subject of the insurance policies or self-insurance required by this section shall not be limited by such insurance policies or self-insurance or by the recovery of any amounts thereunder.
- G. Insurance Companies. All insurance provided pursuant to this section shall be effected under valid and enforceable policies, issued by insurers legally able to conduct business with the licensee in the State of Illinois. All insurance carriers and surplus line carriers shall be rated "A-" or better and of a class size "X" or higher by A.M. Best Company.
- H. Verification of Coverage. **Contractor shall furnish the Village with certificates of insurance naming the Village, its officials, agents, employees, and volunteers as additional insured's and with original endorsements, affecting coverage required herein.** The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be received and approved by the Village before any work commences. The Village reserves the right to request full certified copies of the insurance policies and endorsements.
- I. Subcontractors. Contractor shall include all subcontractors as insured's under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage's for subcontractors shall be subject to all of the requirements stated herein.

- J. Assumption of Liability. The contractor assumes liability for all injury to or death of any person or persons including employees of the contractor, any subcontractor, any supplier or any other person and assumes liability for all damage to property sustained by any person or persons occasioned by or in any way arising out of any work performed pursuant to the Contract.
- K. Workers' Compensation and Employers' Liability Coverage. The insurer shall agree to waive all rights of subrogation against the Village of Buffalo Grove, its officials, employees, agents and volunteers for losses arising from work performed by Contractor for the municipality.
- L. Failure to Comply. In the event the Contractor fails to obtain or maintain any insurance coverage's required under this contract, The Village may purchase such insurance coverage's and charge the expense thereof to the Contractor.

Nothing contained herein is intended to constitute, nor shall it constitute a waiver of the rights, defenses and/or other immunities provided or available to the Village under law including, but not limited to, the Local Governmental and Governmental Employees Tort Immunity Act.

26. Accidents

In the event of any accident of any kind that involves the general public or property of the Village or a third party, the Contractor shall immediately notify the Village by phone as well as provide Notice of the same. The Notice shall include a full accounting of all details of the accident. The Contractor shall furnish the Village with copies of all reports of such accidents at the same time that the reports are forwarded to any other interested parties.

27. No Assignment

If the Contractor sublets or assigns any part of the Work then the Contractor shall not under any circumstances be relieved of its liabilities hereunder. All transactions of the Village shall be with the Contractor. Subcontractors shall be recognized only in the capacity of employees or workmen and shall be subject to the same requirements as to character and competence. The Contractor shall not assign, transfer, convey, sell or otherwise dispose of the whole or any part of this Contract to any person, firm or corporation without written consent of the Village or authorized representative.

28. Default

The following shall constitute a default an "Event of Default" by the Contractor under this Contract:

- A. If the Contractor shall fail to strictly observe or perform one or more of the terms, conditions, covenants and agreements of this Contract;
- B. If there shall be placed on any property owned by the Village any mechanics', materialmens' or suppliers' lien;
- C. If there shall be instituted any proceeding against the Contractor seeking liquidation, dissolution or similar relief and the same shall not be dismissed within forty-five (45) calendar days;
- D. If there shall be appointed any trustee, receiver or liquidator of the Contractor and such appointment shall not have been vacated within forty-five (45) calendar days; and
- E. If the Contractor fails to maintain or obtain any and all permits, licenses and the like, if any, required by the Village, State or Federal governments for the Work.

Upon any Event of Default the Village shall have the option of (i) terminating the Contract; (ii) pursuing any remedy available to it at law or in equity; or (iii) pursuing both simultaneously. In addition, upon an Event of Default, the Village may withhold payments due to the Contractor until it has hired a replacement of the Contractor and deducted all costs of hiring a replacement.

29. Delays

The Contractor shall not be liable in damages for delays in performance when such delay is the result of fire, flood, strike, acts of God, or by any other circumstances which are beyond the control of the Contractor; provided, however, under such circumstances the Village may, at its option, cancel the Contract.

30. Compliance With Laws

The Contractor shall comply with all applicable laws, regulations and rules promulgated by any federal, state, local, or other governmental authority or regulatory body pertaining to all aspects of the Work, now in effect, or which may become in effect during the performance of the Work. The scope of the laws, regulations, and rules referred to in this paragraph includes, but is in no way limited to, the Illinois Human Rights Act, Illinois Equal Pay Act of 2003, Occupational Safety & Health Act along with the standards and regulations promulgated pursuant thereto (including but not limited to those safety requirements involving work on elevated platforms), all forms of traffic regulations, public utility, Interstate and Intrastate Commerce Commission regulations, Workers' Compensation Laws, Public Construction Bond Act, Public Works Preference Act, Employment of Illinois Workers on Public Works Act, USA Security Act, federal Social Security Act (and any of its titles), and any other law, rule or regulation of the Illinois Department of Labor, Department of Transportation, Illinois Environmental Protection Act, Illinois Department of Natural Resources, Illinois Department of Human Rights, Human Rights Commission, EEOC, and the Village of Buffalo Grove. Notwithstanding the following, the Contractor shall particularly note that:

A. NO DISCRIMINATION – The Contractor shall comply with the provisions of the Illinois Public Works Employment Discrimination Act and the Illinois Human Rights Act/Equal Opportunity Clause which, pursuant to Illinois law, are deemed to be part of this Contract.

B. FREEDOM OF INFORMATION - The Contractor agrees to furnish all documentation related to the Contract, the Work and any documentation related to the Village required under an Illinois Freedom of Information Act (ILCS 140/1 et. seq.) ("FOIA") request within five (5) calendar days after the Village issues Notice of such request to the Contractor. The Contractor agrees to defend, indemnify and hold harmless the Village, and agrees to pay all reasonable costs connected therewith (including, but not limited to attorney's and witness fees, filing fees and any other expenses) for the Village to defend any and all causes, actions, causes of action, disputes, prosecutions, or conflicts arising from Contractor's actual or alleged violation of FOIA or the Contractor's failure to furnish all documentation related to a FOIA request within five (5) calendar days after Notice from the Village for the same. Furthermore, should the Contractor request that the Village utilize a lawful exemption under FOIA in relation to any FOIA request thereby denying that request, Contractor agrees to pay all costs connected therewith (such as attorneys' and witness fees, filing fees and any other expenses) to defend the denial of the request. This defense shall include, but not be limited to, any challenged or appealed denials of FOIA requests to either the Illinois Attorney General or a court of competent jurisdiction.

C. ILLINOIS WORKERS ON PUBLIC WORKS ACT - To the extent applicable, the Contractor shall comply with the Illinois Workers on Public Works Act, 30 ILCS 570/1 et seq., and shall provide to the Village any supporting documentation necessary to show such compliance.

D. NOT A BLOCKED PERSON - The Contractor affirms and covenants that neither the Contractor nor any individual employed by the Contractor for this Work or under this Contract is a person forbidden from doing business with a unit of local government under Executive Order No. 13224 (Sept 23, 2001), 66 Fed.Reg. 49,079 (Sept 23, 2001) or is a person registered on the Specially Designated Nationals and Blocked Persons List. The Contractor shall indemnify the Village from all costs associated with failure to comply with this paragraph.

E. SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS ACT - The Contractor knows, understands and acknowledges its obligations under the Substance Abuse Prevention on Public Works Act (820 ILCS 265/1 et seq.), and shall comply and require all subcontractors and lower tiered contractors to comply with the requirements and provisions thereof.

31. No Waiver of Rights

A waiver by the Village of any Event of Default or any term of provision of this Contract shall not be a waiver of the same Event of Default, another Event of Default or any other term or provision of this Contract.

32. Termination of the Contract

Voluntary Termination. Notwithstanding any other provision hereof, the Village may terminate this Contract during the Initial Term

with or without cause, at any time upon thirty (30) calendar days prior written notice to the Contractor.

Termination for Breach. Either party may terminate this Contract upon written notice to the other party following material breach of a material provision of this Contract by the other party if the breaching party does not cure such breach within fifteen (15) calendar days of receipt of written notice of such breach from the non-breaching party.

33. Controlling Law and Venue

This Contract is entered into in the State of Illinois, for work to be performed in the State of Illinois and shall be governed by and construed in accordance with the laws of the State of Illinois. Any legal matters or dispute shall be resolved in the Circuit Court of Cook County and the Parties hereby submit to the jurisdiction of such Circuit Court. This Contract shall be construed without regard to any presumption or other rule requiring construction against the Party causing the Contract to be drafted.

34. Miscellaneous

- A. AMENDMENT** – This Contract may be amended only in writing executed by both Parties.
- B. NO RECORDING** – This Contract, or a memorandum thereof, may not be recorded in any form by either Party. If either Party records this Contract, or a memorandum thereof, they shall immediately file a release of the same.
- C. SECTION HEADINGS** – The headings in the Contract are intended for convenience only and shall not be taken into consideration in any construction or interpretation of the Contract.
- D. NO THIRD PARTY BENEFICIARIES** – This Contract does not confer any rights or benefits on any third party.
- E. BINDING EFFECT** – This Contract shall be binding and inure to the benefit of the Parties hereto, their respective legal representatives, heirs and successors-in-interest.
- F. ENTIRE AGREEMENT** – This Contract supersedes all prior agreements and understandings and constitutes the entire understanding between the Parties relating to the subject matter hereof.
- G. SEVERABILITY** - If any term, condition or provision of the Contract is adjudicated invalid or unenforceable, the remainder of the Contract shall not be affected and shall remain in full force and effect, to the fullest extent permitted by law.
- H. TORT IMMUNITY DEFENSES** - Nothing contained in this Contract is intended to constitute nor shall constitute a waiver of the rights, defenses, and immunities provided or available to the Village under the Local Governmental and Governmental Employees Tort Immunity Act, 745 ILCS 10 *et seq.*

35. Application For Payment

At least once each month, the Engineer will make a written estimate of the quantity of work performed in accordance with the Contract, and the value thereof at the contract unit prices according to Article 109.02 of the Standard Specifications. For each pay period, the quantity cut off will be the first Saturday of each month. During the second week, the Engineer and Contractor will agree to the quantities completed to-date. The Contractor shall submit an agreed upon invoice electronically to the Engineer by the end of the working day of the third Monday of the month. The Village will begin their payment process and will result in the review of the payment at the next regularly scheduled Village Board meeting. Prior to the release of payment, the Contractor shall submit electronically, all certified payroll reports, applicable waivers, and a notarized and signed clarifying statement for Village Attorney review and subsequent approval. Prior to the release of the check, hard-copies of all applicable waivers and the clarifying statement shall be received by the Village.

All payments under this Contract must be approved by the Village Board at a regularly scheduled meeting. The Village reserves the right to request any receipts, invoices, proof of payments as the Village, in its sole discretion, may deem necessary to justify the payment requested prior to paying the requested payment. A Final Lien Waiver from the Contractor, its subcontractors, and all material suppliers shall be furnished with the final application for payment.

The Contractor acknowledges that the Village is a unit of local government and that all payments under the Contract are subject to the Local Government Prompt Payment Act, 50 ILCS 505 *et seq.* To that extent, the Village shall have forty-five calendar (45) days from receipt of a

bill or invoice to pay the same before it is considered late under the Contract. Interest, if any, charged for any late payments will be subject to the interest rate caps specified in the Prompt Payment Act.

36. Retainage and Waivers

The Village of Buffalo Grove has the option to retain from the amount due to the Contractor a maximum of ten percent (10%) from each pay request. The Contractor may request the retainage be reduced and provide reasoning for such reduction in writing to the Village. The Village has the option to accept or deny the request and shall be considered final. The retainage may be held until the Village determines the project to be final and accepted, at which time any warranty or maintenance period shall commence.

The Contractor shall submit, for each pay request submittal, original partial or final waivers from all subcontractors and material suppliers for the work payment is requested from the Village; trailing waivers will not be permitted. The Village will not remit payment to the Contractor until all original hard-copies of waivers for the work the Contractor is requesting payment for are received and reviewed. To help expedite the process, the Village is willing to review draft waivers after the invoice has been submitted for the pay request. When the draft waivers are reviewed and found acceptable, and the check is cut according to the Village's Warrant schedule, then the check and final waivers can be exchanged accordingly.

37. Certified Payroll Reports

Pursuant to PA 100-1177 the Illinois Department of Labor (IDOL) has activated an electronic database (Payroll Portal) capable of accepting and retaining certified payrolls submitted under the State of Illinois Prevailing Wage Act (820 ILCS/130/1). All contractors and subcontractors completing work for the Village of Buffalo Grove pursuant to the Act must submit all certified payroll through the IDOL Payroll Portal.

The Village is an Illinois unit of local government and the Work hereunder is subject to the Illinois Prevailing Wage Act, 820 ILCS 130/0.01, et seq. Consequently, the Contractor and each subcontractor shall submit with their application for payment(s) the email certification received from their IDOL Payroll Portal submittal with each of their pay requests. Any delay in processing the payments due to a lack of aforementioned email certification shall not be an event of default by the Village and shall not excuse any delay by the Contractor who shall proceed with the Work as if no delay in payment has occurred. The Contractor and Village shall agree to take any further steps not outlined above to ensure compliance with the Prevailing Wage Act. Upon two business days' Notice, the Contractor and each subcontractor shall make available to the Village their records to confirm compliance with the Prevailing Wage Act. Finally, to ensure compliance with Prevailing Wage Act, the Contractor and each subcontractor shall keep for a period of not less than 5 years after the Work has been completed records of all laborers, mechanics, and other workers employed by them for the Work; the records shall include each worker's name, address, telephone number, classification or classifications, the hourly wages paid in each period, the number of hours worked each day, the starting and ending times of work each day and, when available, last four digits of the social security number. The Contractor shall provide a list of every name, address, phone number and email of every sub-contractor for the Work.

If the contractor must submit the payroll to the Village of Buffalo Grove for reasons outside of their control, the Village requests that the Contractor submit all certified payroll reports, including subcontractors, and EEO reporting be sent electronically in separate files for each respective Contractor/subcontractor with the weeks ending date in the file name to amdow@vbg.org (i.e. Contractor Name Week Ending.pdf) as shown in the sample letter in Exhibit D.

The Contractor is responsible for providing all records in accordance with the Illinois Department of Labor's (IDOL) requirements pertaining to the Prevailing Wage Act on the standard IDOL form. Only the last four (4) digits of the employee's social security number will be required; the remaining digits shall be "X" or redacted. To complete the certified payroll request for release of payment, the Contractor must supply a signed and notarized written statement that all necessary documentation has been turned over for the pay period pertaining to that payment requested.

Under P.A. 98-0328, the public body must retain copies of the certified payroll for 5 years rather than 3 years as was the case previously. The Illinois Department of Labor (IDOL) has created model certified payroll forms which can be found at the IDOL website www.illinois.gov/idol. the new form consists of three pages identified as the "certified transcript of payroll affidavit" and "certified transcript of payroll instructions". The new forms on the IDOL website can be filled in online and then printed out. under P.A. 98-0482, contractors and subcontractors will have to provide additional information with respect to working hours, wage rates, overtime rates and fringe benefits. The IDOL's model certified payroll forms are the most current forms for compliance with P.A. 98-0482 and should be used in public works contracts.

38. Monetary Penalties

All work shall be completed in accordance with the Contract Documents in a reasonable and timely manner. For each occurrence that work is not completed in a reasonable and timely manner, a monetary penalty will be deducted from the final pay application. The Contractor shall make themselves and all subcontractors aware of the following deficiency and deductions:

Description	Penalty	Per Occurrence
Failure to Sweep Roadway	\$250	Calendar Day
Failure to Maintain Trench	\$250	Calendar Day
Failure to Adhere to Period of Establishment Requirements	\$250	Calendar Day
Distributing Unapproved Resident Notices	\$100	Household
Failure to Distribute Notices in a Timely Manner	\$100	Household
Failure to Distribute Notice to Resident	\$100	Household
Failure to Provide Access in a Timely Manner	\$250	Household/Occurrence Per Day
Failure to Provide Weekly Update to Engineer/Maintain Schedule	\$1,000	Per Occurrence
Failure to Attend a Scheduled Weekly Meeting	\$1,000	Per Occurrence
Failure to Respond in a Timely Manner to a Resident	\$250	Calendar Day
Failure to Ramp Roadway or Driveway	\$250	Household/Roadway Per Day
Use of Fire Hydrant or Valve	\$1,000	Each
Failure to Provide Maintenance of Roadway in a Timely Manner as Determined by the Engineer	\$1,000	Calendar Day
Entering Private Property	\$500	Per Occurrence
Failure to Provide Portable Facilities	\$100	Calendar Day
Illicit Discharge of Silt or Construction Debris	\$1,000	Per Occurrence
Failure to Submit Shop Drawings on Time	\$500	Per Occurrence
Failure to Maintain Erosion and/or Sediment Control Devices	\$1,000	Per Occurrence
Working Outside Allowable Work Hours	\$1,000	Per Occurrence

At the discretion of the Engineer and without notice, the Contractor shall have deducted the monetary penalty amount as listed above for each occurrence on the final pay application.

39. Weekly Progress Meeting and Schedule Updates

The Contractor will be required to provide weekly schedule updates with the anticipated schedule for the following week by 3:00PM every Thursday starting ten (10) calendar days after contract execution and continuing until the project is formally accepted by the Village. The Contractor will be required to submit an initial weekly schedule update with the anticipated schedule the Thursday prior to construction commencement; if the Contractor fails to submit this initial notice, no work shall be permitted to begin. The weekly progress update shall be emailed to the Resident Engineer and Village project representative. The Contractor shall make every effort to maintain the schedule within one (1) calendar day of delay, excluding weather or unforeseen circumstances. Failure to maintain the schedule may result in a monetary penalty of \$1,000 per calendar day if it is determined that substantial effort to maintain the schedule is not made.

If, at the discretion of the Village or Engineer, a mandatory weekly progress meeting may be scheduled to coordinate anticipated work. This meeting will be held on Thursday following receipt of the weekly progress update. If the Contractor fails to attend a mandatory weekly meeting requested by the Village or Engineer a monetary penalty of \$1,000 per occurrence will be imposed.

40. Public Notification

The Contractor shall be required to provide and distribute letters to residents or business owners anytime access will be affected to a home or utility service is interrupted. Letters shall be typed on standard 8.5" x 11" paper and an envelope may or may not be used. All letters, including those written and distributed by a subcontractor, shall be printed on the General Contractor's letterhead and include the name, address, and telephone number of the General Contractor's person in charge.

Letters shall be taped to a non-painted surface using painters tape or approved equal, and will be placed in as many locations as needed to ensure they will be visible to residents. Distributing letters via mailbox is discouraged, however, must be compliant with all United States Postal Service federal regulations. Notification letters shall include, but is not limited to, the following information:

- Exact day and time work is to begin that will affect access (weather permitting).
- How the resident will know they may resume normal access to their property.
- The anticipated length of the closure (no more than one week will be permitted).
- Specific location where parking is permitted, both overnight and during the working day (as signed and normally permitted during daytime).
- The Village of Buffalo Grove Police Department has been notified that overnight parking will be permitted. (It shall be the responsibility of the Contractor to confirm this with the Village.)
- The Contractor will go door-to-door the moment prior to work is to begin to ensure all accommodations are made.
- General Contractor's person in charge name and contact information for additional information or specific requests.
- If applicable, provide Resident flushing procedures (following reconnection of the water service, resident to flush inside of the house via the bath or utility sink for ten minutes prior to consumption).

Notification letters shall be distributed a minimum of 24 hours prior to access being affected or otherwise. If this requirement is not met, work shall not commence. **All letters must be approved by the Village or Engineer prior to and for each individual distribution occurrence.** Additional letters may be required when weather or other unforeseen circumstances change the schedule. When requested, the Contractor is required to return or provide correspondence from a resident within 24 hours.

Under special circumstances, the Village may choose to write a notification letter and the Contractor shall still be responsible for delivering the letter as specified herein. An example of a resident notification letter can be found in Appendix A.

The Contractor must comply with all of the above-mentioned statements otherwise a monetary penalty of \$100 per household, per calendar day shall be imposed.

41. Maintenance Letter of Credit

The Contractor will be required to post a Letter of Credit for a period of One Year (1-yr) from date of final acceptance by the Village. Final acceptance will be the date the Final Payment is made to the Contractor. The Letter of Credit shall be in a form acceptable to the Village in the amount of 10% (ten percent) of the awarded contract value. Unless under emergency situations the Village will offer the Contractor the ability to fix or repair any item prior to drawing from the Letter of Credit. If the Contractor elects to perform the repairs themselves all work must be complete within 14 calendar days of notice from the Village or the Village reserves the right to perform the repairs themselves.

The Letter of Credit shall cover all necessary repairs or replacements as deemed necessary by the Village due to poor workmanship, failed materials, any settlement, excessively spalled, chert popped or cracked concrete, storm, sanitary and water main failures, restoration establishment, and other items as completed by the Contractor under the Contract.

All required pavement repairs shall be from curb line to the nearest cold joint. Pavement repairs shall have all joints routed and filled with crack seal material including along the edge of pavement 30 calendar days after installation.

If the Contractor elects to not perform the repairs or does not perform them in the time allotted the Village will perform the work and collect from the Letter of Credit any damages incurred by the Village to perform the repairs.

42. Water and Sewer Services

The Village of Buffalo Grove will not locate private water and sewer service lines as part of the JULIE notification system. The property owner is the owner of these services from the building to the main and are exempt from the JULIE system.

The Contractor is fully responsible for protecting all utilities near or in their excavation area and shall make themselves fully aware of the exact location of each utility; marked or not marked. The Contractor may elect to locate any and all utilities marked or unmarked, at their expense. Repeated damage to service lines will need to be repaired from the main to the right-of-way as directed by the Engineer. The Contractor shall be responsible for repairs to all damaged utilities incurred as determined by the Village or Engineer.

All repairs to damaged water and sewer service lines shall be completed with material equal to, including size, of the existing service. Connections of dissimilar materials shall be made with stainless steel non-shear mission couplings or appropriate flare couplings for water services. All fittings for copper water service lines shall be of the "flare" type regardless of temporary or permanent use. Any damage to existing water service lines during construction shall be repaired with the existing main under pressure. The Contractor shall have a crimping tool and e-z out or freeze kit on-site to make repairs as required. Repair of service lines in this manner shall only be performed on lines that will be abandoned as part of this project, if applicable.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. This work shall not be paid for separately and no additional cost incurred will be the responsibility of the Village.

43. Earth Excavation

All earth excavation required to complete this project to the proposed lines, grades, and cross sections shall be in accordance with Section 202 of the Standard Specifications. Earth excavation will not be paid for separately but shall be included in the cost of the item requiring the excavation. All surplus excavated material shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications.

44. Final Site Inspection

After the Contractor has submitted the notice of final completion to the Village, the Contractor shall schedule a final site inspection with the Village and Engineer. The Contractor shall provide a laborer or Contractor's representative for the final inspection that will be responsible for the following:

1. Open and inspect all existing and newly installed storm structures, sanitary structures, and valve vaults.
2. Key all hydrant auxiliary boxes and operate the valve.
3. Key all b-box's and operate the valve.
4. Key all valves and operate the valve.
5. Review general site cleanliness and condition of landscaping, curb, sidewalk, pavement, etc.

Upon completion of the final site inspection, the Engineer will provide the Contractor a list of any deficiencies documented. The Contractor will have fourteen (14) calendar days to correct any deficiencies following the scheduled final inspection and punch list submittal by the Engineer.

45. Permits and Licenses

The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work in accordance with Article 107.04 of the Standard Specifications. No work shall be performed until all applicable permit requirements are fulfilled.

The following permits shall be applicable to this Contract:

- Illinois Environmental Protection Agency – Division of Public Water Supplies
- IDOT Utility Permit

46. Red Line As-Builts

This work shall consist of supplying red line as-builts of the installed utility improvements including but not limited to rim, inverts, top of pipe elevations, service locations, vertical offsets, underdrain installations, and other underground utilities.

The as-builts shall have red marks and installed elevations wherever on the engineering drawings a proposed grade, structure, invert or any other proposed item is shown. All elevations shall be recorded on the NAVD 88 datum, consistent with the plans. The as-builts shall be submitted to the Village in red marked PDF file on the issued for construction drawings.

As-builts with insufficient recorded information will be rejected. As-builts must be turned in with the Contractors notice of completion. Failure to submit as-builts with the notice of completion will begin to trigger liquidated damages after the project completion date or when working days have been exhausted. This work shall not be paid for separately but shall be considered included in the cost of the Contract.

Special Provisions

1. Trench Backfill, Coarse Aggregate, CA-11 (Special)

This item shall include all labor, material, and equipment necessary to furnish and place coarse aggregate trench backfill material in accordance with Section 208, 550, and 1004 of the Standard Specifications and as specified herein.

The material used for this item shall be exclusively IDOT certified Class B coarse aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. All aggregate must be crushed, rounded aggregate will not be permitted. The backfill material shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180.

The material for the final course of aggregate (14" from the finish pavement elevation) shall be Aggregate Base Course, Type B. This final course of material will be measured and paid for as AGGREGATE BASE COURSE, TYPE B (SPECIAL) as described herein and may be repurposed for all other work requiring this type of material except it will be paid for only once. No additional payment will be considered for relocating or removing this material after initial placement.

This work will be measured in place and paid for at the contract unit price per cubic yard (CY) for TRENCH BACKFILL, COARSE AGGREGATE, CA-11 (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

2. General Landscape Restoration (Special)

This work shall include all labor, material, and equipment necessary to furnish, place, and maintain pulverized topsoil, seed, fertilizer nutrients, and Mulch Method 3A in accordance with Section(s) 211, 250, and 251 of the Standard Specifications and as specified herein.

Pulverized topsoil shall be placed to a maximum depth of four (4) inches and not be placed until the area has been shaped, trimmed, and finished to the lines and grades as directed by the Engineer. All irregularities, depressions, or high points in the surface shall be filled or smoothed out before topsoil is placed. The surface of the topsoil shall be blended to match the existing terrain and adjacent hardscape, and be free from clods, stones, sticks, and debris.

The Contractor shall furnish and place IDOT Class 1A salt tolerant lawn mixture, produced and tested in the current year, be of good quality, and free of weeds. Nitrogen and potassium fertilizer nutrients shall be applied at a 1:1 ratio in accordance with Article 250.04 of the Standard Specifications (phosphorus is not permitted). Within 24 hours of seed placement, mulch shall be placed my method 3A in accordance with Article 251.03(d) of the Standard Specifications.

It is recommended that the Contractor water the area every other day at a rate of three (3) gallons per square yard, however, it is the sole and exclusive responsibility of the Contractor to make required adjustments to the watering rate or schedule.

To be acceptable for final payment, the landscaped areas shall undergo a 30-day period of establishment beginning on the last day that seed is sowed. During this period, the Contractor shall be responsible for, at no additional cost to the Village, watering, removing weeds and maintaining the seeded areas and repairing any damage to the seeded areas due to but not limited to, errant vehicles, severe weather or all other causes. At the end of the 30-day period of establishment, the Owner or Engineer will inspect the landscaped area and if deemed unsatisfactory, the Contractor shall be required to provide means and methods necessary to establish a live, healthy turf area. Should the seed not germinate because of prevailing cool weather, the period of establishment may be adjusted as determined by the Engineer. It shall be the sole and exclusive responsibility of the Contractor, not the Engineer, for maintaining and monitoring the landscape restoration during the period of establishment. If the placed landscape restoration has not been approved by the Owner or Engineer sixty (60) calendar days following installation, the Contractor will incur a monetary penalty of \$250 per calendar day.

Planting times shall be performed when the ambient temperature has been between 45°F and 80°F for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.

The Contractor shall provide the Engineer with proper documentation on the landscaping materials supplied to the project such as topsoil source, topsoil certification, fertilizer bags, seed tags, and seed bags.

Upon placement of topsoil, seed, fertilizer nutrients, and mulch, 75 percent of each respective pay item will be paid. Upon final acceptance of the topsoil, seed, fertilizer nutrients, and mulch placed, the remaining 25 percent of each respective pay item will be paid.

The Village may postpone permanent seeding operations if deemed necessary. In such an event, the completion date may be extended accordingly.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for GENERAL LANDSCAPE RESTORATION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

3. Temporary Landscape Restoration (Special)

This work shall include all labor, material, and equipment necessary to furnish, install, maintain, and remove temporary landscape restoration in accordance with Section(s) 211, 250, and 251 of the Standard Specifications and as specified herein.

Any restoration work completed outside of the planting times as defined by Article 250.07 of the Standard Specifications will be considered temporary and will be paid for separately.

At the direction of the Engineer, the Contractor will be required to mow the temporary grass as part of the temporary landscape work and it is anticipated that the Contractor will be required to mow every two (2) weeks. The Contractor will have 48-hours following written notice by the Engineer to complete mowing operations as requested. Failure to mow when requested will result in a monetary penalty of \$1,000 per day until the mowing has been completed.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for TEMPORARY EROSION CONTROL SEEDING (SPECIAL), TEMPORARY MULCH METHOD 3A (SPECIAL), and per each (EA) for MOWING, which shall include all labor, material, and equipment required to complete the work as specified herein.

4. Aggregate Base Course, Type B Varies (Special)

This work shall include all labor, material, and equipment necessary to furnish and place aggregate base courses on a prepared subgrade or subbase in accordance with Section(s) 311 and 351 of the Standard Specifications and as specified herein.

This work includes all new aggregate base course material for proposed roadway base course, aggregate base repair, front fill for new concrete curb and gutter, temporary aggregate, capping stone in trenches and subbase granular material for sidewalk and driveway pavement, at the depths specified on the Engineering plans.

The material used for this item shall be exclusively IDOT certified Class B coarse aggregate material meeting the gradation of CA-6 in accordance with Section 1004 of the Standard Specifications. Mixing of aggregate from multiple sources is strictly prohibited. If it is determined that a different source is required for any reason, the new material must be approved by the Engineer prior to delivery or placement, and shall occur roadway to roadway. Crushed concrete may not be used for roadway base course or aggregate base repair. At the direction of the Engineer, crushed concrete may be used for driveway and sidewalk subbase granular material but shall be supplied from an IDOT approved source and material.

All aggregate shall be compacted to 95% modified proctor density conforming to ASTM D-1557 or AASHTO T-180.

This work will be measured in place and paid for at the contract unit price per ton (TN) for AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

5. Hot-Mix Asphalt Leveling Binder, Binder Course, and Surface Course (Special)

This work shall include all labor, material, and equipment necessary to furnish and place hot-mix asphalt, of the type specified, in accordance with Section 406 of the Standard Specifications and as specified herein.

The type of mix specified is commonly known as 'MURPHY MIX'.

Hot-Mix Asphalt Mixtures: The Contractor shall submit mix designs, for approval, for each required mixture, at least one week in advance of scheduled placement.

Surface: N-50 Hot Mix Asphalt 9.5-mm Surface Course Mix "C or D" and Leveling Binder.

The AJMF during production shall have a minimum of 40% passing on the #8 sieve and still meet IDOT volumetric requirements.

Binder: N-50 Hot-Mix Asphalt 19.0-mm Binder Course Mix 'B'.

The AJMF during production shall have a minimum of 40% passing on the #4 sieve and still meet IDOT volumetric requirements.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS:

Item	AC Type Overlay	AC Type Full Depth	Air Voids
Hot-Mix Asphalt Surface Course, Mix "C/D", N50	PG 58-22 / 58-28*	PG 58-28 / 46-34*	3.5% @ 50 GYR
Leveling Binder (Machine Method), N50	PG 58-22 / 58-28*	PG 58-28 / 46-34*	3.5% @ 50 GYR
Hot-Mix / Asphalt Binder Course, IL-19, N50	PG 58-22 / 58-28*	PG 58-28 / 46-34* PG 58-28 when below 4" in depth	3.5% @ 50 GYR

1. All production shall trend about 3.5% Air Voids.
2. Re-proportioning (within SSRBC adjustments allowed) of IDOT verified mix designs may be allowed and the Contractor must submit these values for a review by the Engineer at least one week prior to the first day of production.
3. One field TSR test by the Contractor will be required to validate changes.
4. The AJMF submitted and during production shall meet remaining IDOT volumetric requirements.
5. When Asphalt Binder Replacement (ABR) exceeds 15%, the new asphalt binder in the mix shall be changed as noted above. No more than 30% ABR and no more than 2.0% Reclaimed Asphalt Shingles (RAS) shall be allowed in the asphalt.

Hot Mix Asphalt Construction

1. Tack coat all longitudinal joints (hot and cold) and curb faces.
2. Pneumatic tired roller is required on all lifts, all mixes, except surface courses.
3. Auger extensions are required on all lifts, all mixes.
4. Reverse augers must be installed properly.
5. Roll (compact) the confined and curb line longitudinal joint by overlapping by 6" from the hot to cold side of mat and / or curbing.
6. Paving of the full roadway width shall be completed at the end of each day. Longitudinal joints shall be closed daily and within one truck load of HMA to prevent cold joints. Any violation shall require saw cutting edge back 3" to expose straight edge, shall be tack coated twice, and will be straight and uniform.
7. The Village may consider allowing a full road closure with detours at the Contractors request in order to allow for full width surface paving to facilitate this requirement on 24' wide roads. However, detour and/or additional traffic control devices will be at Contractors expense.
8. Asphalt along the curb line shall be compacted such that the asphalt is 1/4" above the flag of gutter.
9. Temporary ramps, regardless of material, shall be removed prior to placement of the next pavement course.
10. Any compromises of 16' ski or 1/4" gutter flag exposure shall be brought to the engineers attention and discussed. Failure to do so may result in repairs at the Contractors expense.

This work will be measured in place and paid for at the contract unit price per ton (TN) for HOT-MIX ASPHALT BINDER COURSE (SPECIAL), HOT-MIX ASPHALT SURFACE COURSE (SPECIAL), or per square yard (SY) for HOT-MIX ASPHALT DRIVEWAY PAVEMENT, of the depth specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

6. Detectable Warnings (Furnished by Others) (Special)

This work shall include all labor, material, and equipment necessary to place furnished detectable warning plates at locations shown on the Engineering plans in accordance with Section 424 of the Standard Specifications and as specified herein.

The Village of Buffalo Grove will furnish 24"x24" and 24"x30" detectable warning plates. The Contractor shall coordinate the retrieval of materials from the Department of Public Works Facility at 51 Raupp Boulevard from 7 AM to 3 PM, a minimum of 48 hours in advance of when the plates will be needed.

Cutting of the detectable warning plates will only be allowed in accordance with the manufacturer's recommendation. The cutting of two panels to develop a radius will not be permitted.

This work will be measured in place and paid for at the contract unit price per square foot (SF) for DETECTABLE WARNINGS (FURNISHED BY OTHERS) (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

7. Pavement Removal (Special)

This work shall include all labor, material, and equipment necessary to completely remove the existing pavement as marked by the Engineer in accordance with Section 440 of the Standard Specifications.

Pavement removal shall be defined as asphalt or concrete pavement including asphalt or concrete base course, overlays, pozzolanic material, and aggregate or stabilized subbase material to the depth specified in the contract documents.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for PAVEMENT REMOVAL (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

8. Driveway Pavement Removal (Special)

This work shall include all labor, material, and equipment necessary to remove existing driveway pavement as marked by the Engineer in accordance with Section 440 of the Standard Specifications and as specified herein.

Driveway material type may include, but is not limited to, aggregate of various gradation, portland cement concrete and hot-mix asphalt pavements. The Contractor shall form a perpendicularly straight joint by full-depth machine sawing at the proposed limit of improvements to prevent surface spalling. The Contractor shall immediately replace, at no additional cost to the Village, any driveway pavement, outside of the limit of improvements or adjacent panels, damaged by the Contractor's operations due to neglect, misconduct or poor workmanship.

The limit of improvements for portland cement concrete driveway pavement shall follow an existing perpendicular joint pattern or as determined by the Engineer.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for DRIVEWAY PAVEMENT REMOVAL (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

9. Water Main (Furnished by Others) (Special)

This item shall include all labor, material, and equipment necessary to transport and construct ductile iron water main, of the diameter specified in accordance with Section 561 of the Standard Specifications, Section 41 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

Ductile iron pipe, gaskets, lubricants, and polyethylene encasement has been procured by the Village and stored at the following location:

- Metra Parking Lot – Commerce Court and Deerfield Parkway (3.8 Miles from the Project Site)

All bends, fittings and accessories required for installation of the water main as specified and shown on the plans shall be included in the cost of water main and shall be furnished by the Contractor.

Open Cut Installation:

Mega-Lug retainer glands shall be required at all connections of ductile iron water main with bends, tees, crosses, reducers and other fittings.

No deflection of pipe will be allowed unless specified on the plans or approved in writing by the Engineer.

Vertical offsets shown on the plans will not be paid for separately but shall be included in the linear foot price of the water main.

All joints within the IDOT Right of Way shall be restrained type.

All testing and chlorination shall conform to Sections 41-2.12 and 41-2.13 of the Standard Specifications for Water and Sewer Construction in Illinois AWWA C651-14 and the requirements of the Municipality.

Water mains and water services within 3' of the water main shall be polyethylene encased as described in ANSI/AWWA C105.A21.5 and ANSI/AWWA C600. The polyethylene wrap shall be installed as shown by the Ductile Iron Pipe Research Association publication "Polyethylene Encasement Installation Guide".

Pressure and Leakage Testing of Water Mains:

Pressure testing of the water mains shall be in accordance with Section 41-2.12 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein. Water main shall be subjected to a minimum hydrostatic pressure test of 150 pounds per square inch (psi) for a period of not less than two (2) hours. The maximum allowable leakage will be that stated in section 41-2.14C the Standard Specifications for Water and Sewer Construction in Illinois. In addition, the hydrostatic pressure shall not drop more than five (5) psi during the test.

Chlorination of Water Mains:

Disinfection of water mains shall be performed according to AWWA C651-14 and section 41-2.15 of the Standard Specifications for Water and Sewer Construction in Illinois. Where conflicts between the above requirements exist, the more restrictive requirement shall govern or as approved by the Engineer

Chlorine shall be applied by the use of (1) liquid chlorine only. All work as listed shall be included with this pay item.

This work will be measured in place and paid for at the contract unit price per foot (FT) for WATER MAIN, of the diameter specified, (FURNISHED BY OTHERS) (SPECIAL), which shall include all labor, material, transportation, and equipment required to complete the work as specified herein.

10. Water Main in Casing Pipe (Special)

This work shall include all labor, material, and equipment necessary to furnish and install ductile iron water main, of the diameter specified, in casing pipe, in accordance with Section 561 of the Standard Specifications and as specified herein.

Water main shall be ductile iron pipe (DIP) Class 52 conforming to the special provisions herein and be installed per the manufacturer's recommendation on the casing insulators to center the proposed water main in the casing pipe. The water main shall be installed within the casing pipe so that the pipeline is electrically isolated from the steel casing pipe.

Testing and disinfection of the new water main shall be performed in accordance with the applicable section of the latest edition of the 'Standard Specifications for Water and Sewer Main Construction in Illinois'.

This work will be measured in place and paid for at the contract unit price per foot (FT) for WATER MAIN IN CASING PIPE (SPECIAL), of the diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

11. Casing Pipe (Special)

This work shall include all labor, material, and equipment necessary to furnish and install casing pipe, of the diameter specified, installed via open-cut practices in accordance with Section 516 of the Standard Specifications and as specified herein.

The casing pipe material shall be furnished in accordance with the Utility Table in the Engineering plans. The intent is to lay the casing pipe within the excavated trench to act as a primary liner for the service/carrier water main pipe. Cascade Model CCS Stainless Steel casing spacers, or Engineer-approved equivalent, shall be installed per the manufacturer's recommendation or a minimum of three per pipe length. Twelve-inch-thick brick and mortar bulkhead(s) shall be installed at each casing pipe end.

This work will be measured in place and paid for at the contract unit price per foot (FT) for CASING PIPE, of the diameter specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

12. Casing Pipe, Auger and Jack (Special)

This work shall include all labor, material, and equipment necessary to furnish and install smooth steel casing pipe jacked in place by auger boring methods in accordance with Section 516 of the Standard Specifications and as specified herein.

The Contractor shall submit shop drawings and material certification for the steel casing and casing spacers, and a detailed outline of the installation procedures. A list of all equipment and materials used to auger and jack steel casing shall be submitted to the Engineer a minimum of four weeks prior to the start of the jacking operation.

All casing pipe shall be new and unused. The casing pipe shall be smooth steel pipe conforming to ASTM A 139, Grade B with a minimum yield strength of 35,000 PSI. The steel pipe shall be plain end, and be in at least eighteen (18) foot lengths (except the last section, where a shorter section may be necessary to obtain the total casing length shown on the plans). All joints shall be solidly butt-welded with a smooth non-obstructing joint inside. All welds shall comply with American Welding Society recommended standards.

The casing diameter should be sized to provide a minimum of four (4) inches between the inside of the casing pipe and the largest outside diameter of the carrier pipe (including pipe bells) to allow deflection of the casing pipe and installation of casing spacers. The minimum wall thickness required for smooth steel pipe shall be as follows:

<u>Nominal Diameter Inches</u>	<u>Minimum Wall Thickness of Smooth Steel Pipe (Inches)</u>
20	0.34375

Casing spacers, also referred to as Carrier Pipe Supports, and hardware shall be T-304 stainless steel conforming to ASTM 304. The connecting flanges shall be ribbed and the shell lined with PVC. Casing spacers shall be a minimum of eight (8) inches wide and shall electrically isolate the carrier pipe from the casing pipe. Casing runners shall have a coefficient of friction <0.13 per ASTM D-1894 on smooth steel surface. Casing spacers shall be installed a maximum of two (2) feet from the end of the casing pipe. The carrier pipe supports shall be installed on the carrier pipe per the manufacturer's recommendations, and a maximum spacing of ten (10) feet on ductile iron carrier pipe, and six (6) feet for PVC and HDPE. The height and supports shall be appropriate size to keep the carrier pipe 'restrained' and centered within the casing pipe. A ½" to 1" clearance will be allowed between the top runners and the casing pipe. Casing spacers shall be manufactured by the Cascade Waterworks Mfg. Co., or approved equal.

The carrier and casing pipe shall be sealed with rubber end caps and stainless steel bands conforming to ASTM C-923 as manufactured by Cascade Waterworks Mfg. Co., Model CCES, or approved equal.

The casing pipe shall be constructed by the auger and jacking method, with the augering and jacking operation being simultaneous and no unsupported excavation in front of the casing. The over-cut by the cutting head shall not exceed the outside diameter of the pipe by more than two (2) inches.

It shall be the Contractors responsibility to field verify existing utilities prior to auger boring operations. If existing utility lines of any nature are encountered which conflict with new construction, the Contractor shall notify the Engineer immediately. The Contractor shall not make claims for additional costs, nor the Owner seek a credit.

This work shall also include saw cutting, removal and disposal of existing pavement and surplus excavated materials necessary to construct jacking pits and receiving pits, trench protection, foundation and drainage for the augering machine, utility exploration, and backfilling with select excavated materials, where applicable. Coarse aggregate backfill shall be paid for separately. All shoring and trench protection shall meet current OSHA safety requirements.

If the jacking and receiving pits are to remain open overnight, the Contractor shall install six (6) foot tall temporary fence panels, panel stands (feet), sandbags, and temporary swing gates, as applicable, to protect the public. This work shall be paid for separately.

This work will be measured in place and paid for at the contract unit price per foot (FT) for CASING PIPE, AUGER AND JACK, of the diameter specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

13. Fire Hydrants to be Removed (Special)

This work shall include all labor, material, and equipment necessary to remove and dispose of existing fire hydrant assemblies at locations shown on the Engineering plans and as specified herein.

Fire hydrants shall be removed completely, including, but not limited to, the entire barrel section including the seat, the existing auxiliary valve, and valve box. Fire hydrant assemblies shall be delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village in good condition. Good condition is defined as the material is delivered without damage to the joints or fittings and can be

repurposed. Material damaged due to the Contractor's negligence shall be replaced at no additional cost to the Village with equal material in good condition.

The Contractor shall coordinate delivery of materials with the Department of Public Works a minimum of 48-hours prior to delivery of the materials noted above.

The remaining open pipe fire hydrant lead shall be bulk headed with brick and mortar, or a mechanical joint cap, as directed by the Engineer. Any materials not suitable for salvage shall be disposed of according to Article 202.03 of the Standard Specifications.

The open excavation shall be backfilled with approved excavated materials. At the Contractors discretion to prevent future settlement, trench backfill material may be used at the Contractors expense as specified herein.

This work will be measured in place and paid for at the contract unit price per each (EA) for FIRE HYDRANTS TO BE REMOVED (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

14. Fire Hydrant Assembly, Complete (Special)

This work shall include all labor, material, and equipment necessary to transport and install a new fire hydrant assembly in accordance with Section 564 of the Standard Specifications, Section 45 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

Fire hydrants with a direct assembly six (6) inch resilient wedge auxiliary gate valve have been procured by the Village and stored at the following location:

- Buffalo Grove Public Works Facility – 51 Raupp Boulevard (1.6 Miles from the Project Site)

This work effort includes all materials required to fully complete the fire hydrant assembly installation in accordance with the plan detail including, but not limited to, fire hydrant tee, all hydrant lead piping, "direct assembly" auxiliary valve, mechanical joint gaskets, auxiliary valve box and stabilizer, fire hydrant, thrust blocking, joint restraints and backfill, etc., except open excavations shall be backfilled and paid for with applicable trench backfill contract pay items.

This work shall also include furnishing and installing a heavy duty ½" diameter steel hydrant markers measuring four (4) feet high with a 3" wide by 2-3/4" high flag. The entire apparatus shall have a red powder-coated finish with a loop mount that slips over any 2-1/2" NST outlet and is held in place by the hydrant cap. Steel hydrant markers shall be manufactured by Hydro Hitch, Part #: 85935, or approved equal. The flag shall be wrapped in one (inch) wide white reflective marking tape meeting the requirements of Type II Sheeting.

The steel hydrant markers shall be installed on the right side, while facing the front, of each new fire hydrant after the new distribution system is live and the temporary protective bags are removed and no longer required. The Contractor shall submit a shop drawing for approval of the steel hydrant marker and white reflective marking tape prior to ordering or incorporation into the project.

The Contractor will be responsible for protecting the installed hydrants during construction. It is recommended that the hydrants be covered with a protective bag to ensure no chips, scratches or other damage is done to the hydrants during construction. Any damage to the factory installed paint shall be repaired at the factory. Touch up paint or spray paint will not be an acceptable method of painting for any new hydrants.

Fire hydrants shall be set plumb and level with their nozzles paralleled with or at right angles to the roadway, with the pumper nozzle normal to the roadway. They shall conform to the established grade, with nozzles at a minimum of eighteen (18) inches above finished grade.

At the direction of the Engineer, fire hydrant barrel extensions may be required to be furnished and installed. Fire hydrant extensions and parts shall be manufactured by Waterous and shall have all stainless street trim. Any labor, material, or equipment necessary to furnish and install fire hydrant barrel extensions shall be measured in place and paid for per foot (FT) with the contract pay item FIRE HYDRANT EXTENSION (SPECIAL).

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. The open excavations shall be backfilled and paid for with applicable trench backfill contract pay items.

This work will be measured in place and paid for at the contract unit price per each (EA) for FIRE HYDRANT ASSEMBLY, COMPLETE, (FURNISHED BY OTHERS) (SPECIAL), which shall include all labor, material, transportation, and equipment required to complete the work as specified herein.

15. Pipe Underdrains (Special)

This work shall include all labor, material, and equipment necessary to furnish and install pipe underdrains in accordance with Section 601 of the Standard Specifications and as specified herein.

Pipe underdrains shall be installed approximately 12" off the edge of pavement per the detail shown on the Engineering plan from each storm sewer structure for fifty (50) feet in each parallel direction. Pipe bends and fittings shall be required for radii $\leq 50'$.

The aggregate backfill material and fabric sock, as specified in the Engineering plans and as specified herein, shall be included in the cost of this pay item, regardless of the depth of pipe underdrain. When connecting a proposed underdrain to an existing storm sewer structure, a new hole shall be machine cored with a maximum six (6) inch diameter, circular hole. Cutting a new pipe opening by any other method shall not be permitted.

The pipe material used for this item shall be exclusively perforated PVC SDR 26, of the diameter specified, conforming to ASTM D-3034 pipe standards with rubber gasket joints conforming to ASTM D-3212.

This work will be measured in place and paid for at the contract unit price per foot (FT) for PIPE UNDERDRAINS, of the size specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

16. Combination Concrete Curb and Gutter (Special)

This work shall include all labor, material, and equipment necessary to construct concrete curb, and combination concrete curb and gutter, of the type specified, as marked by the Engineer in accordance with Section 606 of the Standard Specifications and as specified herein.

The Contractor shall closely match the existing concrete curb and gutter style type of the adjacent existing curb and gutter. This work shall include the installation of two #4 continuous reinforcing bars as shown on the Engineering plans along the full length of the new curb and gutter. At points where the proposed concrete curb and gutter abuts existing concrete, two #4 smooth epoxy coated dowel-bars shall be installed at 24" on center. The depth of the proposed concrete gutter shall match the existing adjacent depth, but not less than nine (9) inches.

The material used for this item shall be exclusively portland cement concrete in accordance with Section 1020 of the Standard Specifications and shall have polyurethane coated fiber in the mix. The fiber shall be mixed in the concrete at a rate of 1.5 lbs per cubic yard of concrete at the ready mix plant. Mixing of the concrete and fibers shall not be permitted on the project site.

This work will be measured in place and paid for at the contract unit price per foot (FT) for CONCRETE CURB, of the type specified, and, COMBINATION CONCRETE CURB AND GUTTER, of the type specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

17. Connect Into Existing Drainage Structure (Special)

This work shall include all labor, material, and equipment necessary to complete the connection of the proposed storm sewer to an existing storm structure at locations shown on the Engineering plans and as specified herein.

The existing structure wall shall be machine cored with a circular bit to a distance not to exceed three (3) inches beyond the outside circumference of the new pipe. If required by the Engineer, the existing bench shall be modified to accept the new pipe.

This work will be measured in place and paid for at the contract unit price per each (EA) for CONNECT INTO EXISTING DRAINAGE STRUCTURE (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

18. Storm Sewer Connection (Special)

This work shall include all labor, material, and equipment necessary to complete the connection of the proposed storm sewer to the existing storm sewer at locations shown on the Engineering plans and as specified herein.

All connections to existing storm sewer shall be made with appropriately sized non-shear mission couplings conforming to ASTM C-1173-91. All fittings, accessories and shear rings shall be 316 grade stainless steel in accordance with ASTM A-167-91.

This work will be measured in place and paid for at the contract unit price per each (EA) for STORM SEWER CONNECTION, of the size specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

19. Sanitary Sewer Connection (Special)

This work shall include all labor, material, and equipment necessary to complete the connection of the proposed sanitary sewer to the existing sanitary sewer or sanitary structure at locations shown on the Engineering plans and as specified herein.

All connections to existing sewer shall be made with appropriately sized non-shear mission couplings conforming to ASTM C-1173-91. All fittings, accessories and shear rings shall be 316 grade stainless steel in accordance with ASTM A-167-91.

The existing structure wall shall be machine cored with a circular bit to a distance not to exceed three (3) inches beyond the outside circumference of the new pipe. If required by the Engineer, the existing bench shall be modified to accept the new pipe. All connections to the existing structure shall have a neoprene boot installed with stainless steel bands meeting the requirements of ASTM C-923.

This work will be measured in place and paid for at the contract unit price per each (EA) for SANITARY SEWER CONNECTION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

20. Valve Vaults to be Abandoned (Special)

This work shall include all labor, material, and equipment necessary to abandon existing valve vaults at locations shown on the Engineering plans and as specified herein.

The Contractor shall remove the existing operating nut from the closed valve and install a plate furnished by the Village in lieu of the operating nut.

This work will be measured in place and paid for at the contract unit price per each (EA) for VALVE VAULTS TO BE ABANDONED (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

21. Valve Vaults and Valve Boxes to be Removed (Special)

This work shall include all labor, material, and equipment necessary to remove existing valve vaults and valve boxes at locations shown on the Engineering plans in accordance with Section 605 of the Standard Specifications and as specified herein.

Valve vaults shall be removed, frame and lid included, to a partial depth approximately three feet below finished grade and filled with CA-11 aggregate material as specified herein. Valve boxes shall be removed full depth and the open excavation left as a result of the valve box removed shall be filled with CA-11 aggregate material as specified herein

The Engineer or Department of Public Works will determine if the existing frame and lid or valve box is salvageable and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for VALVE VAULTS TO BE REMOVED (SPECIAL), and VALVE BOXES TO BE REMOVED (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

22. Water Valves to be Removed (Special)

This work shall include all labor, material, and equipment necessary to remove existing water valves, regardless of size, at locations shown on the Engineering plans and as specified herein.

Water valves shall be removed by either cutting the existing pipe or loosening the existing bolts.

The existing water valves shall be salvaged and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for WATER VALVES TO BE REMOVED (SPECIAL), which price shall include all labor, material, and equipment required to complete the work as specified herein.

23. Traffic Control and Protection (Special)

Traffic Control shall be according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

Delays to the Contractor caused by complying with these requirements will be considered included in the cost of the contract, and no additional compensation will be allowed.

Standards

701001, 701006, 701011, 701101, 701301, 701501, 701601, 701701, 701801 and 701901

Details

TC-10 Traffic Control and Protection for Side Roads, Intersections and Driveways

TC-13 District One Typical Pavement Markings

TC-14 Traffic Control and Protection at Turn Bays (To Remain Open to Traffic)

TC-22 Arterial Road Information Sign

Special Provisions

Maintenance of Roadways and Erosion Control

Construction Staging and Maintenance of Base Course

Protection of Mailboxes

Traffic Control Plan

LRS 3 – Work Zone Traffic Control Surveillance

LRS 4 – Flaggers in Work Zones

BDE – Vehicle and Equipment Warning Lights

BDE – Work Zone Traffic Control Devices

No roads or segments shall be closed without prior written approval from the Village and Engineer. The Contractor must present to the Engineer, a detour plan with a detailed description addressing how resident access will be maintained and all applicable signage. Submittal of a road closure request to the Engineer does not guarantee approval. Any additional traffic control devices required for road closures per the Contractor's request shall not be paid for separately but shall be included in the cost of the contract.

The Contractor shall be properly advised of the regulated weight limits within the surrounding areas of the project. No additional compensation in time or monetary value will be allowed. The Village of Buffalo Grove Police Department requires permits for Overweight/Over-Sized Trucks or Vehicles. The Contractor can find additional information at www.vbg.org/645/Truck-Enforcement or by calling (847) 459-2560.

Temporary "No Parking" signs must be approved by the Engineer prior to installation and the Village must be notified for each individual use or occurrence. The temporary signs must be POSTED AND DATED at least 24 hours before the intended date of use and shall be a minimum size of 8.5"x11", with a contrasting background and be lathe or post mounted. Any signage that is posted without the Engineer's approval will be assessed a monetary penalty of \$500 per day until removed. **The Contractor shall not tow or move any vehicles.**

This work will be measured in place and paid for at the contract unit price per lump sum (LS) for TRAFFIC CONTROL AND PROTECTION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

24. Traffic Control and Protection – Dundee Road (Special)

This work shall include all labor, material, and equipment necessary to plan, furnish, install, maintain, relocate, and remove all applicable traffic control devices required to complete the work associated along Dundee Road according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

The Contractor shall contact the District One Bureau of Traffic at least 72 hours in advance of beginning work.

Standards

701101, 701106, 701427, 701601, 701701, 701801 and 701901

Details

TC-10 Traffic Control and Protection for Side Roads, Intersections and Driveways
TC-11 Typical Applications Raised Reflective Pavement Markers (Snow-Plow Resistant)
TC-13 District One Typical Pavement Markings
TC-14 Traffic Control and Protection at Turn Bays (To Remain Open to Traffic)
TC-22 Arterial Road Information Sign
TC-26 Driveway Entrance Signing

Special Provisions

Maintenance of Roadways and Erosion Control
Construction Staging and Maintenance of Base Course
Protection of Mailboxes
Traffic Control Plan
LRS 3 – Work Zone Traffic Control Surveillance
LRS 4 – Flaggers in Work Zones
BDE - Traffic Control Devices – Cones
BDE – Work Zone Traffic Control Devices

No signage shall be installed within the Illinois Department of Transportation right-of-way without prior approval by IDOT and all applicable permit requirements are fulfilled. The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work in accordance with Article 107.04 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per lump sum (LS) for TRAFFIC CONTROL AND PROTECTION – DUNDEE ROAD (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

25. Cut and Cap Existing Water Main (Special)

This work shall include all labor, material, and equipment necessary to excavate, expose, cut and cap existing water main pipe in a neat and workmanlike manner at locations shown on the Engineering plans or at the direction of the Engineer and as specified herein.

Ends shall be capped with a mechanical plug or cap to prevent infiltration into the abandoned water main. Aggregate trench backfill material will be paid for according to Article 208.04 of the Standard Specifications. This item shall only be used at locations shown on the Engineering plans or at the direction of the Engineer. If applicable, plugs or caps required at existing fire hydrant leads, valves that were removed, or for temporary use to abandon the water main in place will be included in the cost of each applicable pay item.

This work will be measured in place and paid for at the contract unit price per each (EA) for CUT AND CAP EXISTING WATER MAIN (SPECIAL), regardless of size, which shall include all labor, material, and equipment required to complete the work as specified herein.

26. Connection to Existing Water Main (Non-Pressure) (Special)

This work shall include all labor, material, and equipment necessary to complete the non-pressure connection of the proposed water main to the existing water main at locations shown on the Engineering plans in accordance with Section 41 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

The work shall include all pipe, reducers, fittings, solid sleeves, excavation, concrete thrust blocking, and disposal of surplus excavated materials. Connection of ductile iron water main to existing cast iron water main will require the use of a Tyler Long Pattern Duo Solid Sleeve. The Contractor shall notify the Engineer a minimum of 72 hours prior to any required water main shut downs.

As these connections cannot be pressure tested or chlorinated, the Contractor shall swab all pipe fittings with a 2% hypochlorite solution using a new clean long-string mop in the presence of the Engineer, and the new section of water main must be pressurized prior to backfilling.

441 OMNI Couplings shall not be permitted.

This pay item shall also include the removal of the existing water main pipe as necessary to install the proposed improvements as shown on the Engineering plans. All ductile iron pipe will be paid for separately to the connection point at the existing main.

Because of the age of the existing water system, the Village cannot assure that a complete shutdown will be achievable. The Contractor shall be equipped with enough pumps as necessary to complete the work as specified herein.

This work will be measured in place and paid for at the contract unit price per each (EA) for CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), of the diameter specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

27. Pressure Connection (Special)

This work shall include all labor, material, and equipment necessary to complete a pressure connection in accordance with Section 46 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

All material requirements shall be in accordance with Exhibit No. 109 Materials List, as specified herein. This work shall include all materials including but not limited to the tapping sleeve, valve, and auxiliary box.

This work will be measured in place and paid for at the contract unit price per each (EA) for PRESSURE CONNECTION, of the size specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

28. Water Main Removal (Special)

This work shall include all labor, material, and equipment necessary to remove and dispose of existing water main, of the diameter specified, at locations shown on the Engineering plans in accordance with Section 551 of the Standard Specifications and as specified herein.

Excavation of trenches shall be performed according to the applicable requirements of Article 550.04. Trench backfill for water main removal will be measured for payment according to Article 208.03, except an addition will be made for one-half of the volume of the pipe removed. Materials resulting from the removal of existing water main shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per foot (FT) for WATER MAIN REMOVAL, of the diameter specified, (SPECIAL), which price shall include all labor, material, and equipment required to complete the work as specified herein.

29. Drainage Structures to be Adjusted (Special)

This work shall include all labor, material, and equipment necessary to adjust existing drainage structures in accordance with Section 602 and 603 of the Standard Specifications and as specified herein.

This shall include existing drainage structures which are to be adjusted to proposed grade where two (2) feet or less of masonry will be either added, removed, or rebuilt to bring the specified casting to the finished grade of the proposed improvements.

Adjustment ring material type and method shall be in accordance with Exhibit No. 109 Materials List, as specified herein. Bricks, aggregate, lathe, or any other organic material shall not be used as shim materials or otherwise.

The new frames and grates or lids shall be furnished in accordance with Exhibit No. 109 Materials List, as specified herein.

The existing frame and grates or lids shall be salvaged and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for DRAINAGE STRUCTURES TO BE ADJUSTED WITH, new frame and grate or lid specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

30. Frames and Lids, Type 1, Closed Lid (Sanitary) (Special)

This work shall include all labor, material, and equipment necessary to furnish and install frames and lids, of the type specified, at locations shown on the Engineering plans in accordance with Section 604 of the Standard Specifications and as specified herein.

The Contractor shall remove any existing internal or external chimney seal and install a new external chimney seal in accordance with ASTM C-923, and be produced and supplied by Cretex Specialty Products, or approved equal. The external chimney seal shall be installed per the manufacturer's recommendation.

The structure shall be brought flush to the surrounding elevation with new adjustment rings. Adjustment ring material type and method shall be in accordance with Exhibit No. 109 Materials List, as specified herein. Bricks, aggregate, lathe, or any other organic material shall not be used as shim materials or otherwise.

The lid shall be cast iron with the word 'Sanitary' imprinted and embossed with 'Village of Buffalo Grove, and have concealed pick holes and watertight gaskets installed in accordance with Section 604 of the Standard Specifications.

The existing frame and lid shall be salvaged and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for FRAMES AND LIDS, of the type specified, (SPECIAL), which price shall include all labor, material, and equipment required to complete the work as specified herein.

31. Sanitary Sewers (Special)

This work shall include all labor, material, and equipment necessary to furnish and install sanitary sewer, of the diameter, material and strength class specified in accordance with Section 550 of the Standard Specifications and as specified herein.

The material used for pipe and fittings shall be exclusively PVC SDR 26, of the diameter specified, conforming to ASTM D-2241 pipe standards with rubber gasket joints conforming to ASTM D-3139, F-477.

All sanitary sewer shall be tested in accordance with the Standard Specifications for Water and Sewer Construction in Illinois. All flexible sanitary sewer pipe shall be tested by Method D and either Method A, B, or C as outlined in Section 31-1.12. All sanitary sewer must also be tested by Method E. The Contractor shall provide the Engineer a copy of the video on a digital video disc. The video must be in color and proceed no faster than one (1) foot per second.

The trench shall be backfilled, where applicable, with IDOT certified Class B course aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. All aggregate must be crushed, rounded aggregate will not be permitted. The backfill material shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180.

Sanitary sewer will be measured for payment in place in feet along the length from end to end, including sanitary sewer service wye fittings, but excluding through manholes.

This work will be measured in place and paid for at the contract unit price per foot (FT) for SANITARY SEWERS, WATER MAIN QUALITY PIPE, of the diameter specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

32. Storm Sewer, Water Main Quality (Special)

This work shall include all labor, material, and equipment necessary to furnish and install storm sewer, of the diameter, material and strength class specified in accordance with Section 550 of the Standard Specifications and as specified herein.

All storm sewer labeled water main class or quality shall be furnished in accordance with the Utility Table in the Engineering plans. The material used for this item shall be exclusively PVC SDR 26, of the diameter specified, conforming to ASTM D-2241 pipe standards with rubber gasket joints conforming to ASTM D-3139, F-477.

The trench shall be backfilled, where applicable, with IDOT certified Class B course aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. All aggregate must be crushed, rounded aggregate will not be permitted. The backfill material shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180.

This work will be measured in place and paid for at the contract unit price per foot (FT) for STORM SEWERS, of the type, WATER MAIN QUALITY PIPE, and diameter specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

33. Exploration Excavation (Special)

This work shall include all labor, material, and equipment necessary to excavate an exploratory trench as directed by the Engineer and as specified herein.

Exploration excavations shall be completed as required to locate existing utility facilities within the proposed project limits. The excavation shall not be less than 48 inches in depth and the width shall be sufficient to allow proper investigation of the entire trench length. The Contractor shall not be paid this item without prior approval from the Engineer.

The excavation shall be backfilled in accordance with Section 208 of the Standard Specifications or as directed by the Engineer. Surplus excavated material shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for EXPLORATION EXCAVATION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

34. Adjusting Sanitary/Storm Services (Special)

This work shall include all labor, material, and equipment necessary to adjust existing sanitary and storm sewer service lines at the direction of the Engineer in accordance with Section 563 of the Standard Specifications and as specified herein.

This item shall be used, when determined by the Engineer, where existing sanitary or storm sewer service lines conflict with the proposed utility improvements. The sewer services shall be removed and replaced to a length that will eliminate the conflict and provide positive slope to the existing main. This work shall include the removal of existing sewer pipe, and all fittings and couplings required to complete the work.

Any sewer service line, including fittings, damaged by the Contractor due to neglect, misconduct, or poor workmanship shall be replaced at the Contractor's expense.

The material used for this item shall be exclusively PVC SDR 26, of the diameter specified, conforming to ASTM D-2241 pipe standards with rubber gasket joints conforming to ASTM D-3139, F-477.

All connections to existing sewer shall be made with appropriately sized non-shear mission couplings conforming to ASTM C-1173-91. All fittings, accessories and shear rings shall be 316 grade stainless steel in accordance with ASTM A-167-91.

The trench shall be backfilled, and included in the cost of this item, with IDOT certified Class B course aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. All aggregate must be crushed, rounded aggregate will not be permitted. The backfill material shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180.

Tapping saddles may not be used for connection of services to PVC or VCP mainline sewers.

If the Contractor damages any sanitary/storm service line not requiring adjustment, or any other underground structure or utility, the Contractor shall replace or repair it as required by the Engineer and no additional compensation will be allowed. When a sanitary/storm sewer is to be adjusted, the Contractor shall remove it carefully to prevent damage to the existing pipe which will remain.

This work will be measured in place and paid for at the contract unit price per foot (FOOT) for ADJUSTING SANITARY/STORM SERVICES, 8-INCH DIAMETER OR LESS (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

35. Sanitary/Storm Sewer to be Removed (Special)

This work shall include all labor, material, and equipment necessary to remove existing sanitary or storm sewer at locations shown on the Engineering plans in accordance with Section 551 of the Standard Specifications and as specified herein.

Storm and sanitary sewer pipe shall be removed completely and not crushed in place; material not suitable for salvage shall be disposed according to Article 202.03. Excavation of trenches shall be performed according to the applicable requirements of Article 550.04. Backfill of trenches shall be performed according to the applicable requirements of Article 208.03. All measurements shall be the internal diameter of the sewer pipe.

This work will be measured in place and paid for at the contract unit price per foot (FT) for STORM SEWER TO BE REMOVED, of the size specified, (SPECIAL), and SANITARY SEWER TO BE REMOVED, of the size specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

36. Buffalo Box Frame & Lid (Special)

This work shall include all labor, material, and equipment necessary to furnish and install a frame and lid specifically for water service boxes that are in the pavement areas and/or sidewalk or anywhere other than the parkway as determined by the Engineer.

The frame and lid required shall be exclusively Neenah R-1970 produced and supplied by:

Neenah Foundry Co.
2121 Brooks Avenue
Neenah, WI 54956
Phone: (920) 725-7000
www.nfco.com

It is recommended that the Contractor order the required number of frame and lids as soon as possible. Any delays to the project caused by backordered materials or the Contractor's negligence to proactively order the correct number of proposed frame and lids will not constitute an extension of time, out of sequence construction operations, or the forgiveness of the driveway closure timeline requirements.

This work will be measured in place and paid for at the contract unit price per each (EA) for BUFFALO BOX FRAME & LID (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

37. Water Service, Type K Copper, of the size specified (Special)

This work shall include all labor, material, and equipment necessary to furnish and place water service pipe in accordance with Section 41 with special attention to Article 41.2.12 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

The Contractor has the option of installing the service lines with open cut or trenchless methods. Any trench backfill, capping stone, capping stone removal prior to paving, additional saw cuts, additional restoration from drilling equipment or other items as necessary to facilitate the installation of the service lines shall be included in the per foot price for WATER SERVICE, TYPE K COPPER, of the size specified (SPECIAL).

On street segments that are not being reconstructed, all long service lines are required to be installed via an approved trenchless method.

Trench backfill required for excavations to make connections under sidewalks or driveways will be paid for separately.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. All work as listed and as shown on the plan and details shall be included with this pay item.

If larger than one inch (1") services are encountered during construction the Contractor shall match the existing service size. This additional work will be paid for with applicable pay items or in accordance with Article 109.04 Payment for Extra Work of the Standard Specifications for Road and Bridge Construction.

If it is determined that new water service lines freeze following the installation due to inclement temperatures, it shall be the Contractor's responsibility to immediately thaw out the service line and reinstate the distribution of water. If it is a reoccurring event or if it is a foreseeable issue, the Contractor shall provide a solution in writing for the Engineer's review and approval.

This work will be measured in place and paid for at the contract unit price per foot (FT) for WATER SERVICE, TYPE K COPPER, of the size specified, (SPECIAL), or WATER SERVICE, TYPE K COPPER, of the size specified, TRENCHLESS METHOD (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

38. Water Service, Connect to Existing, Complete (Special)

This work shall include all labor, material, and equipment necessary to complete the connection of the new water service piping to the existing water service in accordance with Section 41 with special attention to Article 41.2.13 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

All service boxes will be replaced. The existing water service piping is unknown and may include lead, copper, galvanized iron, or other material types. The Contractor shall provide all the necessary fittings to connect new water service to the existing water service including a new curb stop and service box. It is the Contractor's responsibility to determine the existing material, depth, size, and location of the existing service at the connection location.

House connections to proposed main shall be made individually and in as short of time as possible after testing and disinfection. No water customer shall be without water in excess of two (2) hours and shall be notified prior to disconnecting service.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. All work as listed and as shown on the plan and details shall be included with this pay item.

If larger than one inch (1") services are encountered during construction the Contractor shall match the existing service size. This additional work will be paid for with applicable pay items or in accordance with Article 109.04 Payment for Extra Work of the Standard Specifications for Road and Bridge Construction.

The Contractor will be required to notify homeowners and business owners 48 hours prior to affecting their service line. Upon reconnection of water services to the new water main the Contractor shall hang a door tag with instructions for the homeowner to be provided by the Village. The information on this door tag will not relieve the Contractor from normal duties expected when installing and reconnecting water service lines to prevent damage to internal plumbing systems of a residence or business. All fittings for copper service lines shall be of the "flare" type regardless of temporary or permanent use. Any damage to existing water service lines during construction shall be repaired with the existing main under pressure. The contractor shall have a crimping tool and e-z out or freeze kit onsite to make repairs as needed. Repair of service lines in this manner shall only be performed on lines that will be abandoned as part of this project. This work shall be considered included in the cost of construction. All water services shall be connected back to the existing service line as approved by the engineer. The contractor is responsible for locating the service line at the point of connection on the house side of the b-box.

This work will be measured in place and paid for at the contract unit price per each (EA) for WATER SERVICE, CONNECT TO EXISTING, COMPLETE (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

39. Water Service, Tap, of the size specified, Complete (Special)

This work shall include all labor, material, and equipment necessary to complete the connection of the new water service piping to the existing water service in accordance with Section 41 with special attention to Articles 41-2.11 and 41-2.13 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

When direct tapping the polyethylene encased pipe, the Contractor shall wrap no less than three layers of water proof adhesive tape completely around the pipe to cover the tapping machine and chain mounting area. After making the tap the casement shall be inspected for damage and any repairs shall be made. The corporation stop and three feet (3') of the new water service piping shall be wrapped with additional polyethylene casement.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. All work as listed and as shown on the plan and details shall be included with this pay item.

All services greater than one inch (1") shall have a two (2) bolt full circle stainless sleeve tapping sleeve with stainless steel hardware.

If larger than one inch (1") services are encountered during construction the Contractor shall match the existing service size. This additional work will be paid for with applicable pay items or in accordance with Article 109.04 Payment for Extra Work of the Standard Specifications for Road and Bridge Construction.

This work will be measured in place and paid for at the contract unit price per each (EA) for WATER SERVICE, TAP, OF THE SIZE SPECIFIED, COMPLETE (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

40. Abandon Existing Water Main (Special)

This work shall include all labor, material, and equipment necessary to furnish and fill the existing water main with controlled low-strength material in accordance with Section 593 of the Standard Specifications and as specified herein.

This work shall consist of filling existing water main to be abandoned with Controlled Low Strength Material (CLSM). The utility shall be plugged on all ends with a plug material meeting approval of the Engineer. The plug shall be adequate to withstand the hydrostatic load created during the filling operation. If the plugs fail during the filling operation, the Contractor shall be responsible for the cost of repairing the plugs and filling the remainder of the pipe. CLSM shall be placed to completely fill all voids and crevices within the abandoned pipe. CLSM shall be placed by low pressure pumping with a maximum length of flow limited only by the safe allowable load that may be applied to the abandoned utility. Additional access holes, where required, or as directed by the Engineer, shall be opened to assure the complete filling of the utility.

The capping and/or plugging required to fill the pipe as described will be included with this pay item.

The Contractor shall submit to the Engineer a mix design for the flowable fill used on the project. The mix design shall generally conform to the following mix as designed by Prairie Material Mix #6115811, or approved by the Engineer:

Cement: 80 Pounds
Fly Ash 910 Pounded line
Sand 1850 Pounds
Water 54.7 Gallons
A/E 1-25%
Slump 10+/- 1"

This work will be measured in place and paid for at the contract unit price per cubic yard (CY) for ABANDON EXISTING WATER MAIN (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

41. Temporary Pavement (Special)

This work shall include all labor, material, and equipment necessary to furnish, place, maintain, and remove temporary asphalt pavement, of the depth specified, in accordance with Section 406 and 443 of the Standard Specifications and as specified herein.

This item shall be used at locations determined by the Village or Engineer.

It is at the Contractor's discretion regarding the material and mix type furnished, however, must be a hot-mix asphalt material stated in the submitted Hot-Mix Asphalt Quality Control Plan. The placement of temporary pavement shall be a minimum of four (4) inches in depth. The

temporary pavement shall be maintained to the satisfaction of the Engineer and may include additional compacting or the addition or replacement of temporary material at no additional cost to the Owner.

Immediately prior to permanent asphalt pavement patching operations, the temporary pavement shall be removed and disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per ton (TN) for TEMPORARY PAVEMENT (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

42. Remove and Reinstall Existing Sign (Special)

This work shall include all labor, material, and equipment necessary to remove, store, and re-erect existing regulatory and warning sign panel assembly and posts at locations shown on the Engineering plans or as directed by the Engineer in accordance with Section 724 of the Standard Specifications and as specified herein.

The Contractor shall store the existing sign panel assembly and post in a location that won't promote vandalism or theft. The Contractor shall replace, at no additional cost to the Owner, any sign panel assembly or post which has been vandalized, stolen or damaged due to neglect, misconduct or poor workmanship.

The sign panel assembly and post shall be installed by a method approved by the Engineer and in accordance with application sections of the Manual on Uniform Traffic Control Devices. Construction equipment such as a backhoe or skid steer shall not be used to drive posts into the ground.

This work will be measured in place and paid for at the contract unit price per each (EA) for REMOVE AND REINSTALL EXISTING SIGN (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

IDOT District One - Special Provisions

1. Adjustments and Reconstructions (D-1)

Effective: March 15, 2011

Revise the first paragraph of Article 602.04 to read:

“602.04 Concrete. Cast-in-place concrete for structures shall be constructed of Class SI concrete according to the applicable portions of Section 503. Cast-in-place concrete for pavement patching around adjustments and reconstructions shall be constructed of Class PP-1 concrete, unless otherwise noted in the plans, according to the applicable portions of Section 1020.”

Revise the third, fourth and fifth sentences of the second paragraph of Article 602.11(c) to read:

“Castings shall be set to the finished pavement elevation so that no subsequent adjustment will be necessary, and the space around the casting shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b.”

Revise Article 603.05 to read:

“603.05 Replacement of Existing Flexible Pavement. After the castings have been adjusted, the surrounding space shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b.”

Revise Article 603.06 to read:

“603.06 Replacement of Existing Rigid Pavement. After the castings have been adjusted, the pavement and HMA that was removed, shall be replaced with Class PP-1 concrete, unless otherwise noted in the plans, not less than 9 in. (225 mm) thick. The pavement may be opened to traffic according to Article 701.17(e)(3)b.

The surface of the Class PP concrete shall be constructed flush with the adjacent surface.”

Revise the first sentence of Article 603.07 to read:

“603.07 Protection Under Traffic. After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.”

2. Friction Aggregate (D-1)

Effective: January 1, 2011

Revised: December 1, 2021

Revise Article 1004.03(a) of the Standard Specifications to read:

“1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA). The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed								
Class A	Seal or Cover	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete								
HMA Low ESAL	Stabilized Subbase or Shoulders	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{1/} Crushed Concrete								
HMA High ESAL Low ESAL	Binder IL-19.0 or IL-19.0L SMA Binder	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crushed Gravel Carbonate Crushed Stone ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete ^{3/}								
HMA High ESAL Low ESAL	C Surface and Binder IL-9.5 IL-9.5FG or IL-9.5L	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/} Crushed Concrete ^{3/}								
HMA High ESAL	D Surface and Binder IL-9.5 or IL-9.5FG	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone (other than Limestone) ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/}								
		<u>Other Combinations Allowed:</u>								
		<table><tr><td><i>Up to...</i></td><td><i>With...</i></td></tr><tr><td>25% Limestone</td><td>Dolomite</td></tr><tr><td>50% Limestone</td><td>Any Mixture D aggregate other than Dolomite</td></tr><tr><td>75% Limestone</td><td>Crushed Slag (ACBF) or Crushed Sandstone</td></tr></table>	<i>Up to...</i>	<i>With...</i>	25% Limestone	Dolomite	50% Limestone	Any Mixture D aggregate other than Dolomite	75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone
		<i>Up to...</i>	<i>With...</i>							
		25% Limestone	Dolomite							
50% Limestone	Any Mixture D aggregate other than Dolomite									
75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone									

Use	Mixture	Aggregates Allowed								
HMA High ESAL	E Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.								
		<u>Other Combinations Allowed:</u>								
		<table><tr><td><i>Up to...</i></td><td><i>With...</i></td></tr><tr><td>50% Dolomite^{2/}</td><td>Any Mixture E aggregate</td></tr><tr><td>75% Dolomite^{2/}</td><td>Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone</td></tr><tr><td>75% Crushed Gravel^{2/}</td><td>Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag</td></tr></table>	<i>Up to...</i>	<i>With...</i>	50% Dolomite ^{2/}	Any Mixture E aggregate	75% Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone	75% Crushed Gravel ^{2/}	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag
		<i>Up to...</i>	<i>With...</i>							
		50% Dolomite ^{2/}	Any Mixture E aggregate							
		75% Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone							
75% Crushed Gravel ^{2/}	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag									
HMA High ESAL	F Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.								
		<u>Other Combinations Allowed:</u>								
		<table><tr><td><i>Up to...</i></td><td><i>With...</i></td></tr><tr><td>50% Crushed Gravel^{2/} or Dolomite^{2/}</td><td>Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone</td></tr></table>	<i>Up to...</i>	<i>With...</i>	50% Crushed Gravel ^{2/} or Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone				
		<i>Up to...</i>	<i>With...</i>							
		50% Crushed Gravel ^{2/} or Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone							

1/ Crushed steel slag allowed in shoulder surface only.

2/ Carbonate crushed stone (limestone) and/or crushed gravel shall not be used in SMA Ndesign 80.

3/ Crushed concrete will not be permitted in SMA mixes.

4/ Crushed steel slag shall not be used as binder.

5/ When combinations of aggregates are used, the blend percent measurements shall be by volume."

Combining different types of aggregate will not be permitted in SMA Ndesign 80."

3. Ground Tire Rubber (GTR) Modified Asphalt Binder (D-1)

Effective: June 26, 2006

Revised: December 1, 2021

Add the following to the end of article 1032.05 of the Standard Specifications:

"(c) Ground Tire Rubber (GTR) Modified Asphalt Binder. A quantity of 10.0 to 14.0 percent GTR (Note 1) shall be blended by dry unit weight with a PG 64-28 to make a GTR 70-28 or a PG 58-28 to make a GTR 64-28. The base PG 64-28 and PG 58-28 asphalt binders shall meet the requirements of Article 1032.05(a). Compatible polymers may be added during production. The GTR modified asphalt binder shall meet the requirements of the following table.

Test	Asphalt Grade GTR 70-28	Asphalt Grade GTR 64-28
Flash Point (C.O.C.), AASHTO T 48, °F (°C), min.	450 (232)	450 (232)
Rotational Viscosity, AASHTO T 316 @ 275 °F (135 °C), Poises, Pa·s, max.	30 (3)	30 (3)
Softening Point, AASHTO T 53, °F (°C), min.	135 (57)	130 (54)
Elastic Recovery, ASTM D 6084, Procedure A (sieve waived) @ 77 °F, (25 °C), aged, ss, 100 mm elongation, 5 cm/min., cut immediately, %, min.	65	65

Note 1. GTR shall be produced from processing automobile and/or light truck tires by the ambient grinding method. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall contain no free metal particles or other materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce sticking and caking of the GTR particles. When tested in accordance with Illinois modified AASHTO T 27, a 50 g sample of the GTR shall conform to the following gradation requirements:

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100
No. 30 (600 µm)	95 ± 5
No. 50 (300 µm)	> 20

Add the following to the end of Note 1. of article 1030.03 of the Standard Specifications:

“A dedicated storage tank for the Ground Tire Rubber (GTR) modified asphalt binder shall be provided. This tank must be capable of providing continuous mechanical mixing throughout by continuous agitation and recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of ± 0.40 percent.”

4. Hot-Mix Asphalt (D-1)

Effective: January 1, 2022

Revised: August 1, 2022

Replace Article 1030.09(g)(1) of the Standard Specifications with the following:

“(1) The Contractor shall sample approximately 150 lb (70 kg) of mix as required for the Department’s random mixture verification tests according to Article 1030.09(h)(1).”

Replace the second sentence of Article 1030.09(h)(1) of the Standard Specifications with the following:

“The Engineer will randomly identify one sample for each 3,000 tons (2,720 metric tons) of mix, with a minimum of one sample per mix. If the remaining mix quantity is 600 tons (544 metric tons) or less, the quantity will be combined with the previous 3,000 tons (2,720 metric tons) in the Engineer’s random sample identification. If the required tonnage of a mixture for a single pay item is less than 250 tons (225 metric tons) in total, the Engineer will waive mixture verification tests.”

Add the following to the end of the third paragraph of Article 1030.09(h)(2) of the Standard Specifications:

“The HMA maximum theoretical specific gravity (G_{mm}) will be based on the Department mixture verification test. If there is more than one Department mixture verification G_{mm} test, the G_{mm} will be based on the average of the Department test results.”

5. Hot-Mix Asphalt Binder and Surface Course (D-1)

Effective: November 1, 2019

Revised: December 1, 2021

Revise Article 1004.03(c) to read:

“(c) Gradation. The coarse aggregate gradations shall be as listed in the following table.

Use	Size/Application	Gradation No.
Class A-1, A-2, & A-3	3/8 in. (10 mm) Seal	CA 16 or CA 20
Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & A-3	Cover Coat	CA 14
HMA High ESAL	IL-19.0; Stabilized Subbase IL-19.0	CA 11 ^{1/}
	SMA 12.5 ^{2/}	CA 13 ^{4/} , CA 14, or CA 16
	SMA 9.5 ^{2/}	CA 13 ^{3/4/} or CA 16 ^{3/}
	IL-9.5	CA 16, CM 13 ^{4/}
	IL-9.5FG	CA 16
HMA Low ESAL	IL-19.0L	CA 11 ^{1/}
	IL-9.5L	CA 16

1/ CA 16 or CA 13 may be blended with the CA 11.

2/ The coarse aggregates used shall be capable of being combined with the fine aggregates and mineral filler to meet the approved mix design and the mix requirements noted herein.

3/ The specified coarse aggregate gradations may be blended.

4/ CA 13 shall be 100 percent passing the 1/2 in. (12.5mm) sieve.”

Revise Article 1004.03(e) of the Supplemental Specifications to read:

“(e) Absorption. For SMA the coarse aggregate shall also have water absorption ≤ 2.0 percent.”

Revise the “High ESAL” portion of the table in Article 1030.01 to read:

“High ESAL	Binder Courses	IL-19.0, IL-9.5, IL-9.5FG, IL-4.75, SMA 12.5, Stabilized Subbase IL-19.0
	Surface Courses	IL-9.5, IL-9.5FG, SMA 12.5, SMA 9.5”

Revise Note 2. and add Note 6 to Article 1030.02 of the Standard Specifications to read:

“Item	Article/Section
(g) Performance Graded Asphalt Binder (Note 6)	1032
(h) Fibers (Note 2)	

Note 2. A stabilizing additive such as cellulose or mineral fiber shall be added to the SMA mixture according to Illinois Modified AASHTO M 325. The stabilizing additive shall meet the Fiber Quality Requirements listed in Illinois Modified AASHTO M 325. Prior to approval and use of fibers, the Contractor shall submit a notarized certification by the producer of these materials stating they meet these requirements. Reclaimed Asphalt Shingles (RAS) may be used in Stone Matrix Asphalt (SMA) mixtures designed with an SBA polymer modifier as a fiber additive if the mix design with RAS included meets AASHTO T305 requirements. The RAS shall be from a certified source that produces either Type I or Type 2. Material shall meet requirements noted herein and the actual dosage rate will be determined by the Engineer.

Note 6. The asphalt binder shall be an SBS PG 76-28 when the SMA is used on a full-depth asphalt pavement and SBS PG 76-22 when used as an overlay, except where modified herein. The asphalt binder shall be a SBS PG 76-22 for IL-4.75, except where modified herein..”

Revise table in Article 1030.05(a) of the Standard Specifications to read:

“MIXTURE COMPOSITION (% PASSING) ^{1/}												
Sieve Size	IL-19.0 mm		SMA 12.5		SMA 9.5		IL-9.5mm		IL-9.5FG		IL-4.75 mm	
	min	max	min	max	min	max	min	max	min	max	min	max
1 1/2 in (37.5 mm)												
1 in. (25 mm)		100										
3/4 in. (19 mm)	90	100		100								
1/2 in. (12.5 mm)	75	89	80	100		100		100		100		100
3/8 in. (9.5 mm)				65	90	100	90	100	90	100		100
#4 (4.75 mm)	40	60	20	30	36	50	34	69	60	75 ^{6/}	90	100
#8 (2.36 mm)	20	42	16	24 ^{4/}	16	32 ^{4/}	34 ^{5/}	52 ^{2/}	45	60 ^{6/}	70	90
#16 (1.18 mm)	15	30					10	32	25	40	50	65
#30 (600 μm)			12	16	12	18			15	30		
#50 (300 μm)	6	15					4	15	8	15	15	30
#100 (150 μm)	4	9					3	10	6	10	10	18
#200 (75 μm)	3.0	6.0	7.0	9.0 ^{3/}	7.5	9.5 ^{3/}	4.0	6.0	4.0	6.5	7.0	9.0 ^{3/}
#635 (20 μm)			≤ 3.0		≤ 3.0							
Ratio Dust/Asphalt Binder		1.0		1.5		1.5		1.0		1.0		1.0

1/ Based on percent of total aggregate weight.

2/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with Ndesign = 90.

3/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer.

- 4/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above the percentage stated on the table.
- 5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted below 34 percent.
- 6/ When the mixture is used as a binder, the maximum shall be increased by 0.5 percent passing.”

Revise Article 1030.05(b) of the Standard Specifications to read:

(b) Volumetric Requirements. The target value for the air voids of the HMA shall be 4.0 percent, for IL-4.75 and SMA mixtures it shall be 3.5 percent and for Stabilized Subbase it shall be 3.0 percent at the design number of gyrations. The voids in the mineral aggregate (VMA) and voids filled with asphalt binder (VFA) of the HMA design shall be based on the nominal maximum size of the aggregate in the mix and shall conform to the following requirements.

Mix Design	Voids in the Mineral Aggregate (VMA), % Minimum for Ndesign				
	30	50	70	80	90
IL-19.0		13.5	13.5		13.5
IL-9.5		15.0	15.0		
IL-9.5FG		15.0	15.0		
IL-4.75 ^{1/}		18.5			
SMA-12.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
SMA-9.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
IL-19.0L	13.5				
IL-9.5L	15.0				

- 1/ Maximum draindown shall be 0.3 percent according to Illinois Modified AASHTO T 305.
- 2/ The draindown shall be determined at the JMF asphalt binder content at the mixing temperature plus 30°F.
- 3/ Applies when specific gravity of coarse aggregate is ≥ 2.760 .
- 4/ Applies when specific gravity of coarse aggregate is < 2.760 .
- 5/ For surface course, the coarse aggregate can be crushed steel slag, crystalline crushed stone or crushed sandstone. For binder course, coarse aggregate shall be crushed stone (dolomite), crushed gravel, crystalline crushed stone, or crushed sandstone”

Revise the last paragraph of Article 1102.01 (a) (5) of the Standard Specifications to read:

“IL-4.75 and Stone Matrix Asphalt (SMA) mixtures which contain aggregate having absorptions greater than or equal to 2.0 percent, or which contain steel slag sand, shall have minimum surge bin storage plus haul time of 1.5 hours.”

Add after third sentence of Article 1030.09(b) to read:

“ If the Contractor and Engineer agree the nuclear density test method is not appropriate for the mixture, cores shall be taken at random locations determined according to the QC/QA document "Determination of Random Density Test Site Locations". Core densities shall be determined using the Illinois Modified AASHTO T 166 or T 275 procedure.”

Revise Table 1 and Note 4/ of Table 1 in Article 406.07(a) of the Standard Specifications to read:

	Breakdown/Intermediate Roller (one of the following)	Final Roller (one or more of the following)	Density Requirement

IL-9.5, IL-9.5FG, IL-19.0 ^{1/}	V _D , P, T _B , 3W, O _T , O _B	V _S , T _B , T _F , O _T	As specified in Section 1030
IL-4.75 and SMA ^{3/ 4/}	T _B , 3W, O _T	T _F , 3W	As specified in Section 1030
Mixtures on Bridge Decks ^{2/}	T _B	T _F	As specified in Articles 582.05 and 582.06.

"4/ The Contractor shall provide a minimum of two steel-wheeled tandem rollers (T_B), and/or three-wheel (3W) rollers for breakdown, except one of the (T_B) or (3W) rollers shall be 84 inches (2.14 m) wide and a weight of 315 pound per linear inch (PLI) (5.63 kg/mm) and one of the (T_B) or (3W) rollers can be substituted for an oscillatory roller (O_T). T_F rollers shall be a minimum of 280 lb/in. (50 N/mm). The 3W and T_B rollers shall be operated at a uniform speed not to exceed 3 mph (5 km/h), with the drive roll for T_B rollers nearest the paver and maintain an effective rolling distance of not more than 150 ft (45 m) behind the paver."

Add the following after the fourth paragraph of Article 406.13 (b):

"The plan quantities of SMA mixtures shall be adjusted using the actual approved binder and surface Mix Design's G_{mb}."

Revise first paragraph of Article 1030.10 of the Standard Specifications to read:

"A test strip of 300 ton (275 metric tons), except for SMA mixtures it will be 400 ton (363 metric ton), will be required for each mixture on each contract at the beginning of HMA production for each construction year according to the Manual of Test Procedures for Materials "Hot Mix Asphalt Test Strip Procedures". At the request of the Producer, the Engineer may waive the test strip if previous construction during the current construction year has demonstrated the constructability of the mix using Department test results."

Revise third paragraph of Article 1030.10 of the Standard Specifications to read:

"When a test strip is constructed, the Contractor shall collect and split the mixture according to the document "Hot-Mix Asphalt Test Strip Procedures". The Engineer, or a representative, shall deliver split sample to the District Laboratory for verification testing. The Contractor shall complete mixture tests stated in Article 1030.09(a). Mixture sampled shall include enough material for the Department to conduct mixture tests detailed in Article 1030.09(a) and in the document "Hot-Mix Asphalt Mixture Design Verification Procedure" Section 3.3. The mixture test results shall meet the requirements of Articles 1030.05(b) and 1030.05(d), except Hamburg wheel tests will only be conducted on High ESAL mixtures during production."

6. Hot-Mix Asphalt – Mixture Design Verification and Production (D-1)

Effective: January 1, 2019

Revised: December 1, 2021

Add to Article 1030.05 (d)(3) of the Standard Specifications to read:

" During mixture design, prepared samples shall be submitted to the District laboratory by the Contractor for verification testing. The required testing, and number and size of prepared samples submitted, shall be according to the following tables.

High ESAL – Required Samples for Verification Testing	
Mixture	Hamburg Wheel and I-FIT Testing ^{1/ 2/}
Binder	total of 3 - 160 mm tall bricks
Surface	total of 4 - 160 mm tall bricks

Low ESAL – Required Samples for Verification Testing	
Mixture	I-FIT Testing ^{1/ 2/}

Binder	1 - 160 mm tall brick
Surface	2 - 160 mm tall bricks

- 1/ The compacted gyratory bricks for Hamburg wheel and I-FIT testing shall be 7.5 ± 0.5 percent air voids.
- 2/ If the Contractor does not possess the equipment to prepare the 160 mm tall brick(s), twice as many 115 mm tall compacted gyratory bricks will be acceptable.

Revise the fourth paragraph of Article 1030.10 of the Standard Specifications to read:

"When a test strip is not required, each HMA mixture shall still be sampled on the first day of production: I-FIT and Hamburg wheel testing for High ESAL; I-FIT testing for Low ESAL. Within two working days after sampling the mixture, the Contractor shall deliver gyratory cylinders to the District laboratory for Department verification testing. The High ESAL mixture test results shall meet the requirements of Articles 1030.05(d)(3) and 1030.05(d)(4). The Low ESAL mixture test results shall meet the requirements of Article 1030.05(d)(4). The required number and size of prepared samples submitted for the Hamburg wheel and I-FIT testing shall be according to the "High ESAL - Required Samples for Verification Testing" table in Article 1030.05(d)(3) above."

Add the following to the end of Article 1030.10 of the Standard Specifications to read:

"Mixture sampled during first day of production shall include approximately 60 lb (27 kg) of additional material for the Department to conduct Hamburg wheel testing and approximately 80 lb (36 kg) of additional material for the Department to conduct I-FIT testing. Within two working days after sampling, the Contractor shall deliver prepared samples to the District laboratory for verification testing. The required number and size of prepared samples submitted for the Hamburg wheel and I-FIT testing shall be according to the "High ESAL - Required Samples for Verification Testing" table in Article 1030.05(d)(3) above."

7. Temporary Information Signing (D-1)

Effective: November 13, 1996

Revised: January 29, 2020

Description.

This work shall consist of furnishing, installing, maintaining, relocating for various states of construction and eventually removing temporary informational signs. Included in this item may be ground mount signs, skid mount signs, truss mount signs, bridge mount signs, and overlay sign panels which cover portions of existing signs.

Materials.

Materials shall be according to the following Articles of Section 1000 - Materials:

	<u>Item</u>	<u>Article/Section</u>
a.)	Sign Base (Note 1)	1090
b.)	Sign Face (Note 2)	1091
c.)	Sign Legends	1091
d.)	Sign Supports	1093
e.)	Overlay Panels (Note 3)	1090.02

Note 1. The Contractor may use 5/8 inch (16 mm) instead of 3/4 inch (19 mm) thick plywood.

Note 2. The sign face material shall be in accordance with the Department's Fabrication of Highway Signs Policy.

Note 3. The overlay panels shall be 0.08 inch (2 mm) thick.

GENERAL CONSTRUCTION REQUIREMENTS

Installation.

The sign sizes and legend sizes shall be verified by the Contractor prior to fabrication.

Signs which are placed along the roadway and/or within the construction zone shall be installed according to the requirements of Article 701.14 and Article 720.04. The signs shall be 7 ft (2.1 m) above the near edge of the pavement and shall be a minimum of 2 ft (600 mm) beyond the edge of the paved shoulder. A minimum of two (2) posts shall be used.

The attachment of temporary signs to existing bridges, sign structures or sign panels shall be approved by the Engineer. Any damage to the existing signs and/or structures due to the Contractor's operations shall be repaired or signs replaced, as determined by the Engineer, at the Contractor's expense.

Method of Measurement.

This work shall be measured for payment in square feet (square meters) edge to edge (horizontally and vertically).

All hardware, posts or skids, supports, bases for ground mounted signs, connections, which are required for mounting these signs will be included as part of this pay item.

Basis Of Payment.

This work shall be paid for at the contract unit price per square foot (square meter) for TEMPORARY INFORMATION SIGNING.

8. Detector Loop Replacement (D-1)

Effective: January 1, 1985

Revised: March 1, 2024

The following Traffic Signal Special Provisions and the "District 1 Standard Traffic Signal Design Details" supplement the requirements of the State of Illinois "Standard Specifications for Road and Bridge Construction" Sections 810, 886, 1079 and 1088.

The intent of this Special Provision is to prescribe the materials and construction methods commonly used to replace traffic signal detector loops and replace magnetic signal detectors with detector loops during roadway resurfacing, grinding and patching operations. Loop detector replacement will not require the transfer of traffic signal maintenance from the District Electrical Maintenance Contractor to this Contract's electrical contractor. Replacement of magnetic detector will require wiring revisions inside the control cabinet and therefore the transfer of maintenance will be required. All material furnished shall be new. The locations and the details of all installations shall be as indicated on the Plans or as directed by the Engineer.

The work to be provided under the Contract consists of furnishing and installing all traffic signal work as specified on the Plans and as specified herein in a manner acceptable and approved by the Engineer.

Notification of Intent to Work.

Contracts such as pavement grinding or patching which result in the destruction of traffic signal detection require a notification of intent to work and an inspection. A minimum of seven (7) working days prior to the detection removal, the Contractor shall notify the Area Traffic Signal Maintenance and Operations Engineer.

Failure to provide proper notification may require the District's Electrical Maintenance Contractor to be called to investigate complaints of inadequate traffic signal timing. All costs associated with these expenses will be paid for by the Contractor at no additional expense to the Department according to Section 109 of the Standard Specifications.

Removal, Disposal and Salvage of Existing Traffic Signal Equipment.

The removal, disposal, and salvage of existing traffic signal equipment shall be included in the cost of this item. All material and equipment removed shall become the property of the Contractor and disposed of by the Contractor outside the State's right-of-way. No additional compensation shall be provided to the Contractor for removal, disposal or salvage expense for the work in this contract.

DETECTOR LOOP REPLACEMENT.

This work shall consist of replacing existing detector loops which are destroyed during grinding, resurfacing, or patching operations.

If damage to the detector loop is unavoidable, replacement of the existing detection system will be necessary. This work shall be completed by an approved Electrical Contractor as directed by the Engineer.

Replacement of the loops shall be accomplished in the following manner: The Area Traffic Signal Maintenance and Operations Engineer shall be called to approve loop locations prior to the cutting of the pavement. The Contractor may reuse the existing coilable non-metallic

conduit (CNC) located between the existing handhole and the pavement if it hasn't been damaged. CNC meeting the requirements of NEC Article 353 shall be used for detector loop raceways to the handholes. All burrs shall be removed from the edges of the existing conduit which could cause damage to the new detector loop during installation. If the existing conduit is damaged beyond repair, if it cannot be located, or if additional conduits are required for each proposed loop, the Contractor shall be required to drill through the existing pavement into the appropriate handhole and install 1 in. (25 mm) CNC. This work and the required materials shall not be paid for separately but shall be included in the pay item Detector Loop Replacement. Once suitable CNC raceways is established, the loop may be cut, installed, sealed and spliced to the twisted-shielded lead-in cable in the handhole.

All loops installed in new asphalt pavement shall be installed in the binder course and not in the surface course. The edge of pavement or the curb shall be cut with a 1/4 in. (6.3 mm) deep x 4 in. (100 mm) saw-cut to mark location of each loop lead-in.

A minimum of seven (7) working days prior to the Contractor cutting loops, the Contractor shall have the proposed loop locations marked and contact the Area Traffic Signal Maintenance and Operations Engineer to inspect and approve the layout.

Loop detectors shall be installed according to the requirements of the "District 1 Standard Traffic Signal Design Details." Saw-cuts from the loop to the edge of pavement shall be made perpendicular to the edge of pavement when possible in order to minimize the length of the saw-cut unless directed otherwise by the Engineer or as shown on the plan.

The detector loop cable insulation shall be labeled with the cable specifications.

Each loop detector lead-in wire shall be labeled in the handhole using a waterproof tag secured to each wire with nylon ties. The lead-in wire, including all necessary connections for proper operation, from the edge of pavement to the handhole, shall be included in the detector loop pay item.

Loop sealant shall be a two-component thixotropic chemically cured polyurethane. The sealant shall be installed 1/8 in. (3 mm) below the pavement surface. If installed above the surface the excess shall be removed immediately.

Round loop(s) 6 ft (1.8 m) in diameter may be substituted for 6 ft (1.8 m) x 6 ft (1.8 m) square loop(s) and shall be paid for as 24 ft (7.2 m) of detector loop.

Resistance to ground shall be a minimum of 500 mega-ohms under any conditions of weather or moisture. Inductance shall be more than 50 and less than 700 microhenries.

Heat shrink splices shall be used according to the "District 1 Standard Traffic Signal Design Details."

Detector loop replacement shall be measured along the sawed slot in the pavement containing the loop cable up to the edge of pavement, rather than the actual length of the wire in the slot. Drilling handholes, sawing the pavement, furnishing and installing CNC to the appropriate handhole, cable splicing to provide a fully operable detector loop, testing and all trench and backfill shall be included in this item.

Basis of Payment.

Detector Loop Replacement shall be paid for at the Contract unit price per foot (meter) of DETECTOR LOOP REPLACEMENT.

MAGNETIC DETECTOR REMOVAL AND DETECTOR LOOP INSTALLATION.

This work shall consist of the removal of existing magnetic detectors, magnetic detector lead-in cable and magnetic detection amplifiers and related control equipment wiring, installation of detector lead-in cable, detector loops, detector amplifiers and related equipment wiring. The detector loop, cable, and amplifier shall be installed according to the applicable portions of the Standard Specifications and the applicable portions of the Special Provision for "Detector Loop Replacement." All drilling of handholes, furnishing and installing CNC, cable splicing, trench and backfill, removal of equipment, and removing cable from conduit shall be included in this item.

Basis of Payment.

Magnetic Detector Removal and Detector Loop Installation shall be paid for at the contract unit price per foot (meter) for DETECTOR LOOP, TYPE I, per each for INDUCTIVE LOOP DETECTOR, and foot (meter) for ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR.

9. Temporary Traffic Signal Timing (D-1)

Effective: May 22, 2002
Revised: March 1, 2024

Description.

This work shall consist of developing and maintaining appropriate traffic signal timings for the specified intersection for the duration of the temporary signalized condition, as well as impact to existing traffic signal timings caused by detours or other temporary conditions.

All timings and adjustments necessary for this work shall be performed by an approved Consultant who has previous experience in optimizing Traffic Signal Systems for District One of the Illinois Department of Transportation. The Contractor shall contact the Traffic Signal Engineer for a listing of approved Consultants.

The following tasks are associated with TEMPORARY TRAFFIC SIGNAL TIMING:

- (a) Consultant shall attend temporary traffic signal inspection (turn-on) and/or detour meeting and conduct on-site implementation of the traffic signal timings.
- (b) Consultant shall be responsible for making fine-tuning adjustments to the timings in the field to alleviate observed adverse operating conditions and to enhance operations.
- (c) Consultant shall provide monthly observation of traffic signal operations in the field.
- (d) Consultant shall provide on-site consultation and adjust timings as necessary for construction stage changes, temporary traffic signal phase changes, and any other conditions affecting timing and phasing, including lane closures, detours, and other construction activities.
- (e) Consultant shall make timing adjustments and prepare comment responses as directed by the Area Traffic Signal Maintenance and Operations Engineer.
- (f) Return original timing plan once construction is complete.

Basis of Payment.

The work shall be paid for at the Contract unit price each for TEMPORARY TRAFFIC SIGNAL TIMING, which price shall be payment in full for performing all work described herein per intersection. When the temporary traffic signal installation is turned on and/or detour implemented, 50 percent of the bid price will be paid. The remaining 50 percent of the bid price will be paid following the removal of the temporary traffic signal installation and/or detour.

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets
SPECIAL PROVISION
FOR
LOCAL QUALITY ASSURANCE/ QUALITY MANAGEMENT QC/QA
Effective: January 1, 2022

Replace the first five paragraphs of Article 1030.06 of the Standard Specifications with the following:

“1030.06 Quality Management Program. The Quality Management Program (QMP) will be Quality Control / Quality Assurance (QC/QA) according to the following.”

Delete Article 1030.06(d)(1) of the Standard Specifications.

Revise Article 1030.09(g)(3) of the Standard Specifications to read:

“(3) If core testing is the density verification method, the Contractor shall provide personnel and equipment to collect density verification cores for the Engineer. Core locations will be determined by the Engineer following the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations” at density verification intervals defined in Article 1030.09(b). After the Engineer identifies a density verification location and prior to opening to traffic, the Contractor shall cut a 4 in. (100 mm) diameter core. With the approval of the Engineer, the cores may be cut at a later time.”

Revise Article 1030.09(h)(2) of the Standard Specifications to read:

“(2) After final rolling and prior to paving subsequent lifts, the Engineer will identify the random density verification test locations. Cores or nuclear density gauge testing will be used for density verification. The method used for density verification will be as selected below.

Density Verification Method	
☐	Cores
☒	Nuclear Density Gauge (Correlated when paving ≥ 3,000 tons per mixture)

Density verification test locations will be determined according to the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations”. The density testing interval for paving wider than or equal to 3 ft (1 m) will be 0.5 miles (800 m) for lift thicknesses of 3 in. (75 mm) or less and 0.2 miles (320 m) for lift thicknesses greater than 3 in. (75 mm). The density testing interval for paving less than 3 ft (1 m) wide will be 1 mile (1,600 m). If a day’s paving will be less than the prescribed density testing interval, the length of the day’s paving will be the interval for that day. The density testing interval for mixtures used for patching will be 50 patches with a minimum of one test per mixture per project.

If core testing is the density verification method, the Engineer will witness the Contractor coring, and secure and take possession of all density samples at the

density verification locations. The Engineer will test the cores collected by the Contractor for density according to Illinois Modified AASHTO T 166 or AASHTO T 275.

If nuclear density gauge testing is the density verification method, the Engineer will conduct nuclear density gauge tests. The Engineer will follow the density testing procedure detailed in the document "Illinois Modified ASTM D 2950, Standard Test Method for Density of Bituminous Concrete In-Place by Nuclear Method".

A density verification test will be the result of a single core or the average of the nuclear density tests at one location. The results of each density test must be within acceptable limits. The Engineer will promptly notify the Contractor of observed deficiencies."

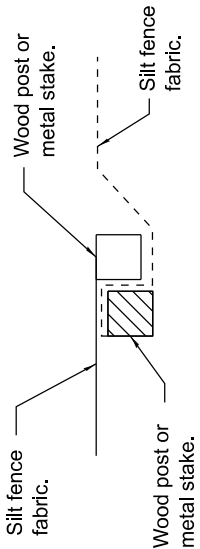
Revise the seventh paragraph and all subsequent paragraphs in Section D. of the document "Hot-Mix Asphalt QC/QA Initial Daily Plant and Random Samples" to read:

"Mixtures shall be sampled from the truck at the plant by the Contractor following the same procedure used to collect QC mixture samples (Section A). This process will be witnessed by the Engineer who will take custody of the verification sample. Each sample bag with a verification mixture sample will be secured by the Engineer using a locking ID tag. Sample boxes containing the verification mixture sample will be sealed/taped by the Engineer using a security ID label."

**APPENDIX A
TABLE OF CONTENTS**

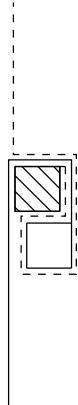
1. 280001-07 Temporary Erosion Control Systems
2. 424001-12 Perpendicular Curb Ramps For Sidewalks
3. 424006-06 Diagonal Curb Ramps For Sidewalks
4. 424011-05 Corner Parallel Curb Ramps For Sidewalks
5. 424021-07 Depressed Corner For Sidewalks
6. 442201-03 Class C and D Patches
7. 602001-02 Catch Basin Type A
8. 602301-04 Inlet –Type A
9. 602401-07 Precast Manhole Type A 4' Diameter
10. 602506-03 Precast Valve Vault Type A 5' Diameter
11. 602601-06 Precast Reinforced Concrete Flat Slab Top
12. 602701-02 Manhole Steps
13. 604001-05 Frame and Lids Type 1
14. 604051-04 Frame and Grate Type 11
15. 606001-08 Concrete Curb Type B and Combination Concrete Curb and Gutter
16. 701001-02 Off-Road Operations, 2L, 2W, More Than 15' Away
17. 701006-05 Off-Road Operations, 2L, 2W, 15' to 24" From Pavement Edge
18. 701011-04 Off-Road Moving Operations, 2L, 2W, Day Only
19. 701101-05 Off-Road Operations, Multilane, 15' to 24" From Pavement Edge
20. 701106-02 Off-Road Operations, Multilane, More Than 15' From Pavement Edge
21. 701301-04 Lane Closure, 2L, 2W, Short Time Operations
22. 701427-05 Lane Closure, Multilane, Intermittent or Moving Operations For Speeds Under 40 MPH
23. 701501-06 Urban Lane Closure, 2L, 2W, Undivided
24. 701601-09 Urban Lane Closure, Multilane, 1W or 2W With Nontraversable Median
25. 701701-10 Urban Lane Closure, Multilane Intersection
26. 701801-06 Sidewalk, Corner or Crosswalk Closure
27. 701901-10 Traffic Control Devices
28. IDOT District One Highway Standard – BD-08 Frames and Lids Adjustment With Milling
29. IDOT District One Highway Standard – BD-32 Butt Joint and HMA Taper Details
30. IDOT District One Highway Standard – BM-20 Pruning for Safety and Equipment Clearance
31. IDOT District One Highway Standard – TC-10 Traffic Control and Protection For Side Roads, Intersections, and Driveways
32. IDOT District One Highway Standard – TC-11 Typical Applications Raised Reflective Pavement Markers (Snow-Plow Resistant)
33. IDOT District One Highway Standard – TC 13 District One Typical Pavement Markings
34. IDOT District One Highway Standard – TC 14 Traffic Control and Protection at Turn Bays (To Remain Open to Traffic)
35. IDOT District One Highway Standard – TC 22 Arterial Information Signing
36. IDOT District One Highway Standard – TC 26 Driveway Entrance Signing
37. IDOT District One Highway Standard – TS 05 Standard Traffic Signal Design Details

38. IDOT District One Highway Standard – TS 07 Detector Loop Installation Details For Roadway Resurfacing
39. Example Pay Estimate – Clarifying Statement Letter
40. Example Weekly Update Letter
41. Example Driveway Closure Notice Letter
42. Example Letter of Credit
43. Temporary No Parking Sign Example
44. Mailbox Installation Detail
45. Exhibit No 109 Materials List
46. Pavement Core Log Report
47. IEPA LPC-662



Place end-post (stake) of first silt fence adjacent to end-post (stake) of second silt fence with fabric positioned as shown.

STEP 1

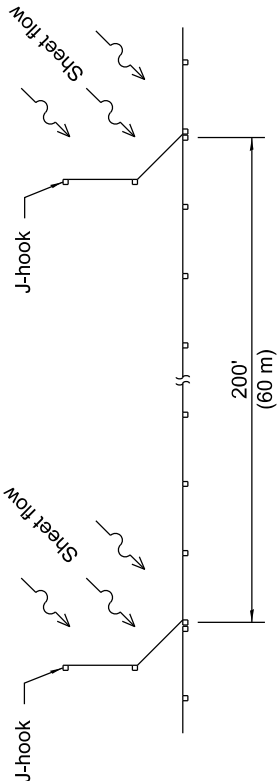


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

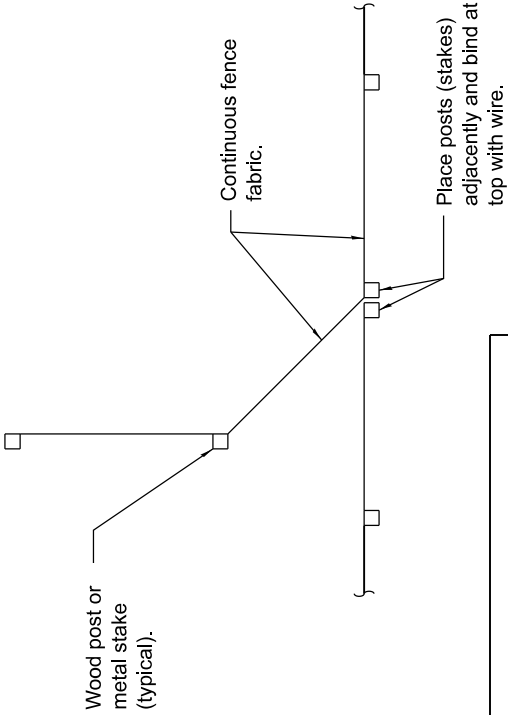
STEP 2

ATTACHING TWO SILT FILTER FENCES

(Not applicable for J-hooks)

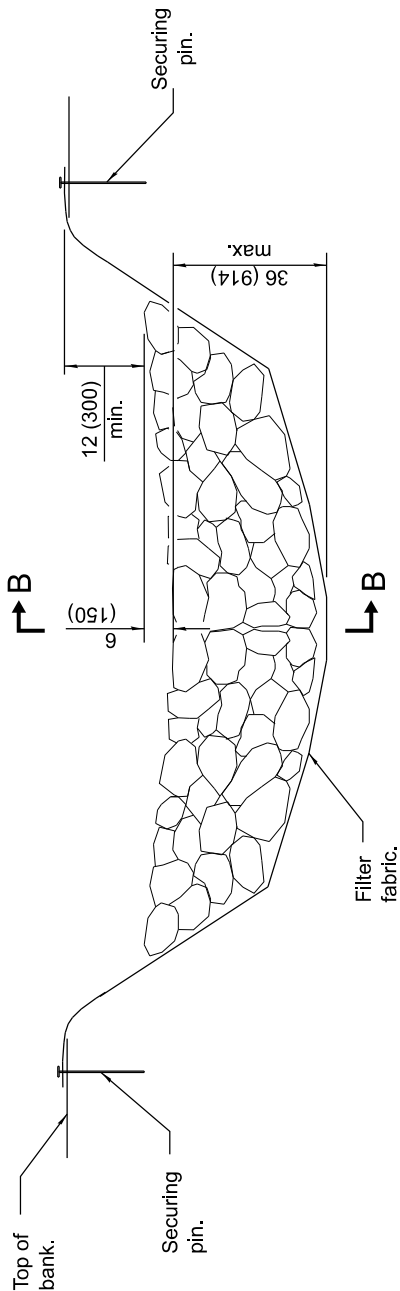


SILT FILTER J-HOOK PLACEMENT



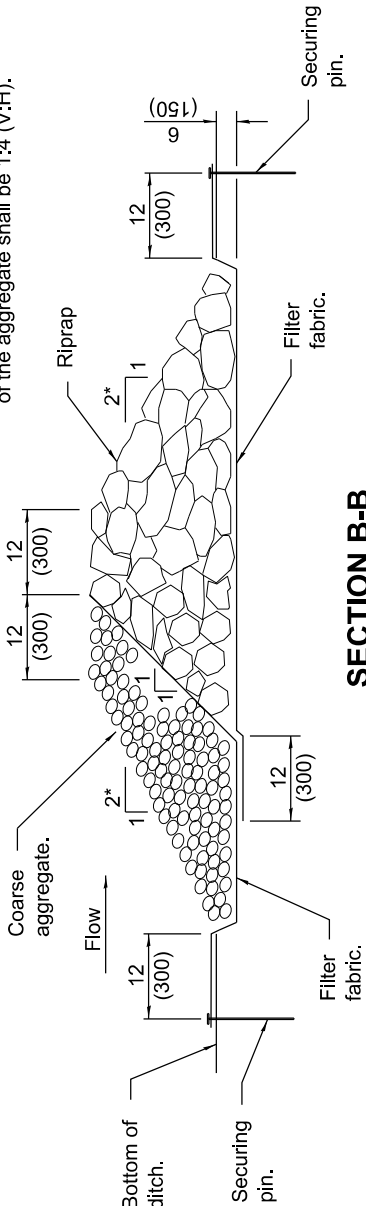
J-HOOK

Illinois Department of Transportation		ISSUED 1-1-97	
APPROVED	January 1, 2013	APPROVED	January 1, 2013
<i>Michael Brand</i>		<i>Michael Brand</i>	
ENGINEER OF POLICY AND PROCEDURES		ENGINEER OF POLICY AND PROCEDURES	
APPROVED		APPROVED	
January 1, 2013		January 1, 2013	
ENGINEER OF DESIGN AND ENVIRONMENT		ENGINEER OF DESIGN AND ENVIRONMENT	



ELEVATION

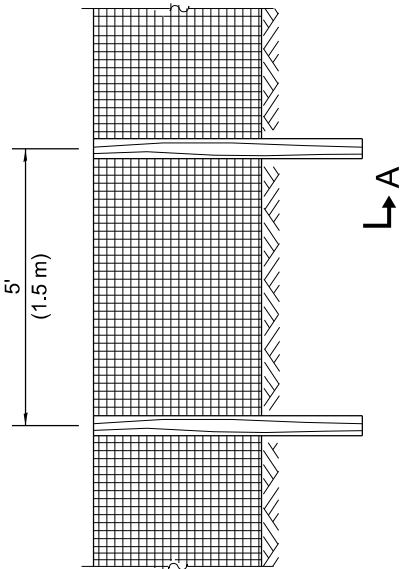
* When the ditch check is within the clear zone and the road is open to traffic, the traffic approach slope of the aggregate shall be 1:4 (V:H).



SECTION B-B

AGGREGATE DITCH CHECK

ELEVATION



SILT FILTER FENCE AS A PERIMETER EROSION BARRIER

ELEVATION

GENERAL NOTES

The installation details and dimensions shown for perimeter erosion barriers shall also apply for inlet and pipe protection.

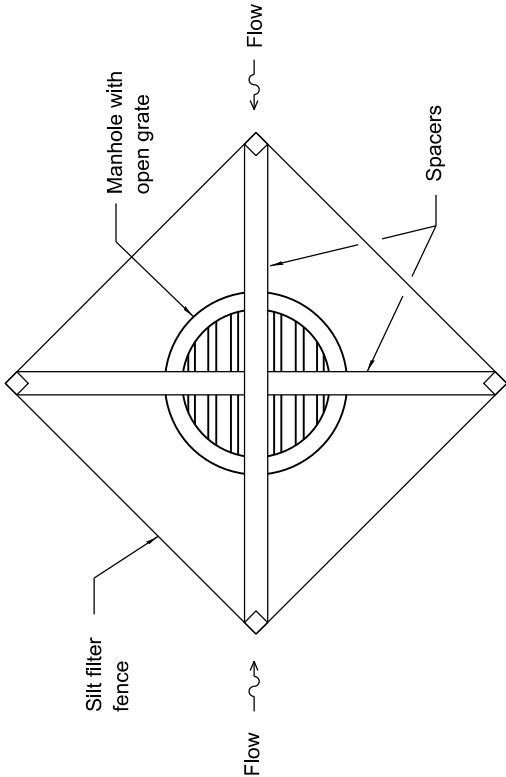
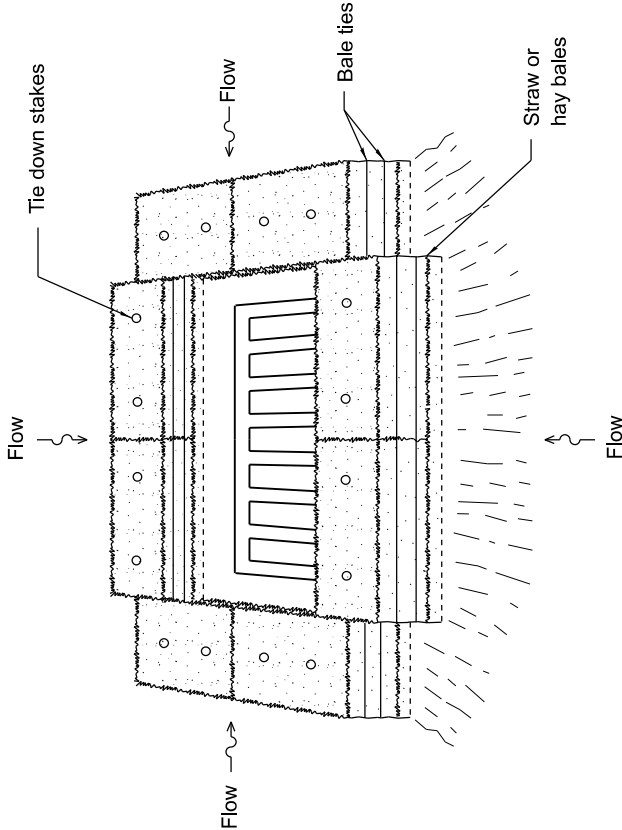
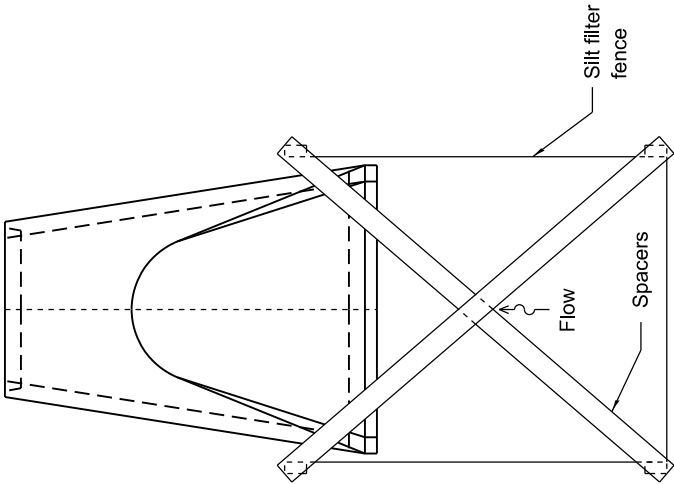
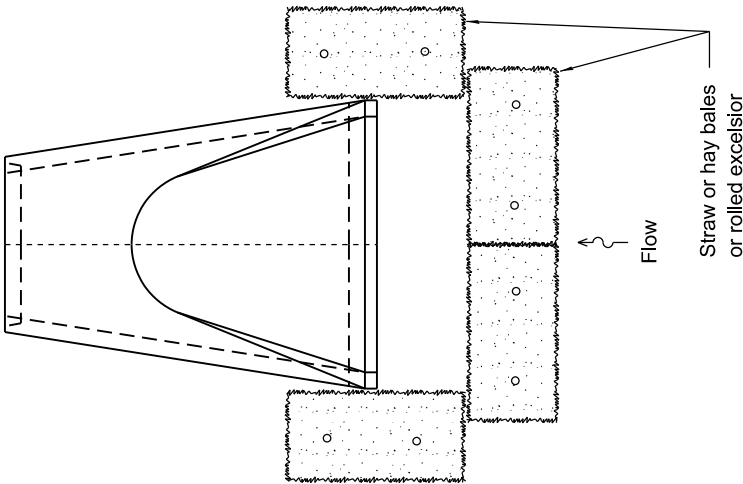
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-13	Corrected notation for flowline (f) on SEDIMENT BASIN ELEVATION
1-1-12	Omitted hay/straw perimeter barrier. Added SLICE METHOD to
	SECTION A-A

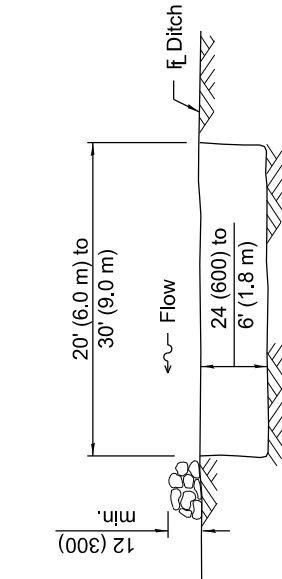
TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 1 of 2)

STANDARD 280001-07

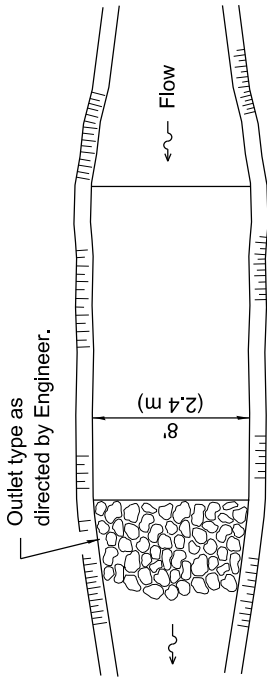


INLET AND PIPE PROTECTION



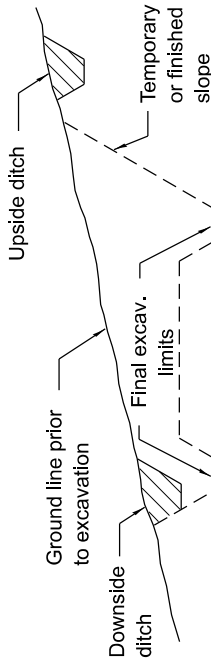
The performance of the basin will improve if put into a series.

ELEVATION

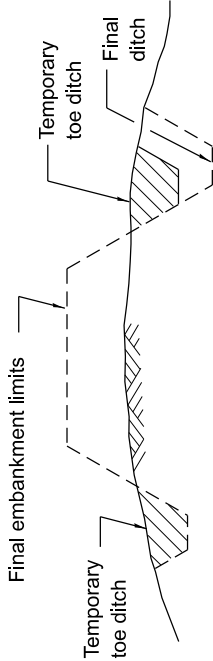


The long dimension should be parallel with the direction of the flow. Accumulated silt shall be removed anytime the basins become 75% filled.

PLAN



TYPICAL CUT CROSS-SECTION



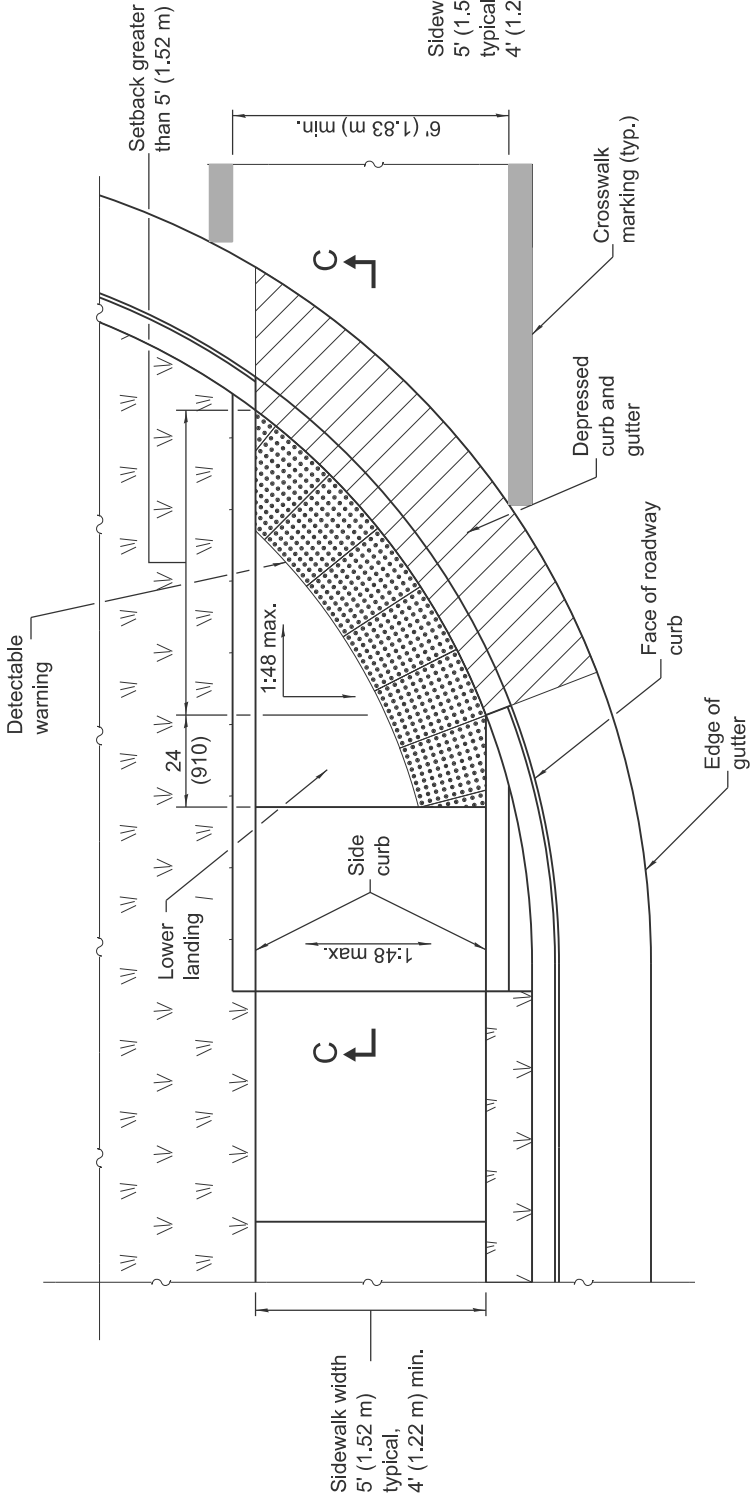
TYPICAL FILL CROSS-SECTION

TEMPORARY DITCHES FOR CUT & FILL SECTIONS

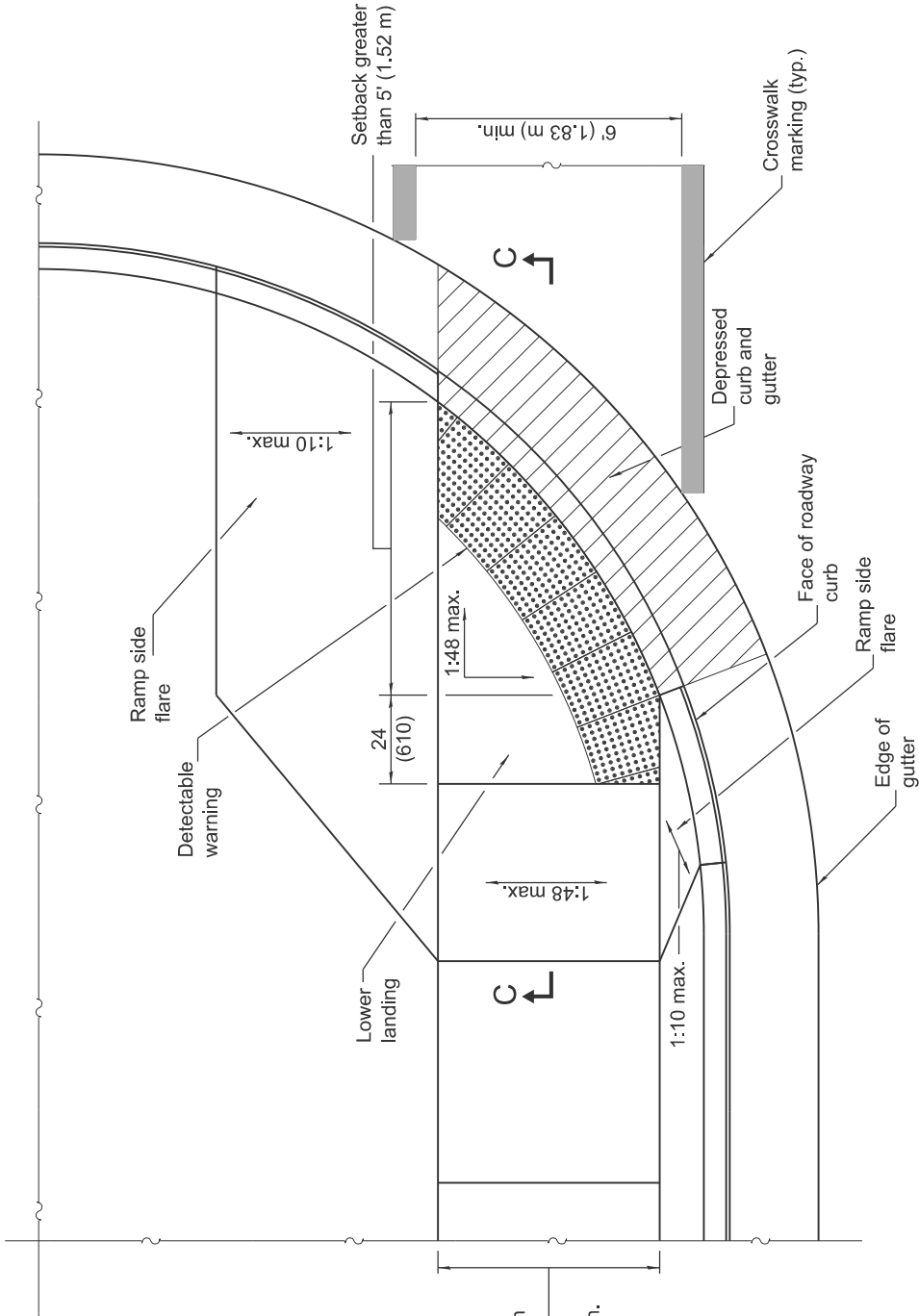
SEDIMENT BASIN

Illinois Department of Transportation		ISSUED 1-1-97	
APPROVED	January 1, 2013	APPROVED	January 1, 2013
ENGINEER OF POLICY AND PROCEDURES		ENGINEER OF DESIGN AND ENVIRONMENT	

TEMPORARY EROSION CONTROL SYSTEMS		STANDARD 280001-07
(Sheet 2 of 2)		



RAMP IN LANDSCAPED AREA SETBACK > 5'



RAMP IN PAVED AREA SETBACK > 5'

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:48 maximum slope is shown, 1:64 is preferred.

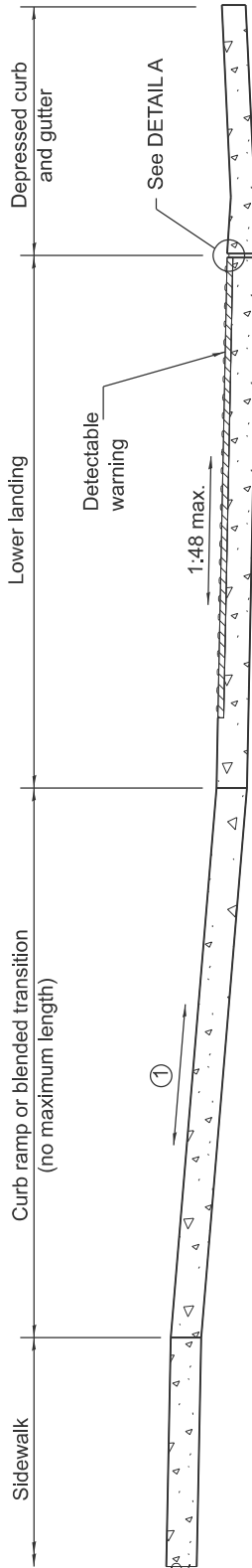
Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.



SECTION C-C

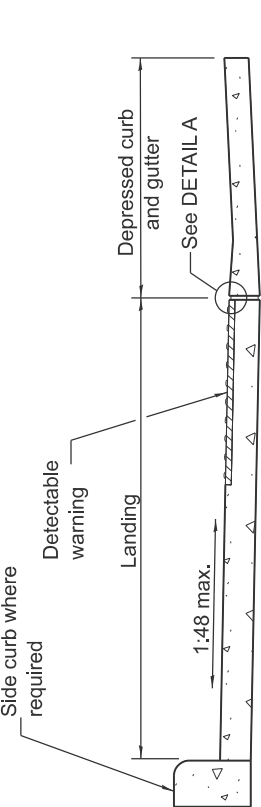
- ① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.

Illinois Department of Transportation				ISSUED 1-1-97	
APPROVED	January 1, 2025				
ENGINEER OF POLICY AND PROCEDURES					
APPROVED	January 1, 2025				
ENGINEER OF DESIGN AND ENVIRONMENT					

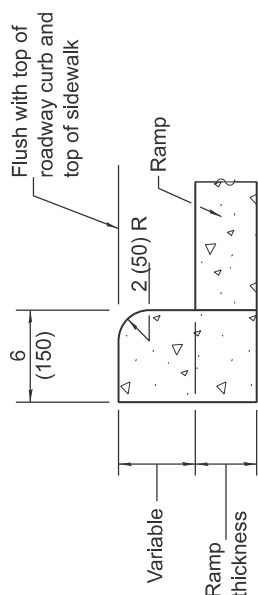
PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 2 of 2)

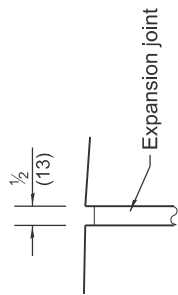
STANDARD 424001-12



SECTION B-B



SIDE CURB DETAIL



DETAIL A

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:48 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

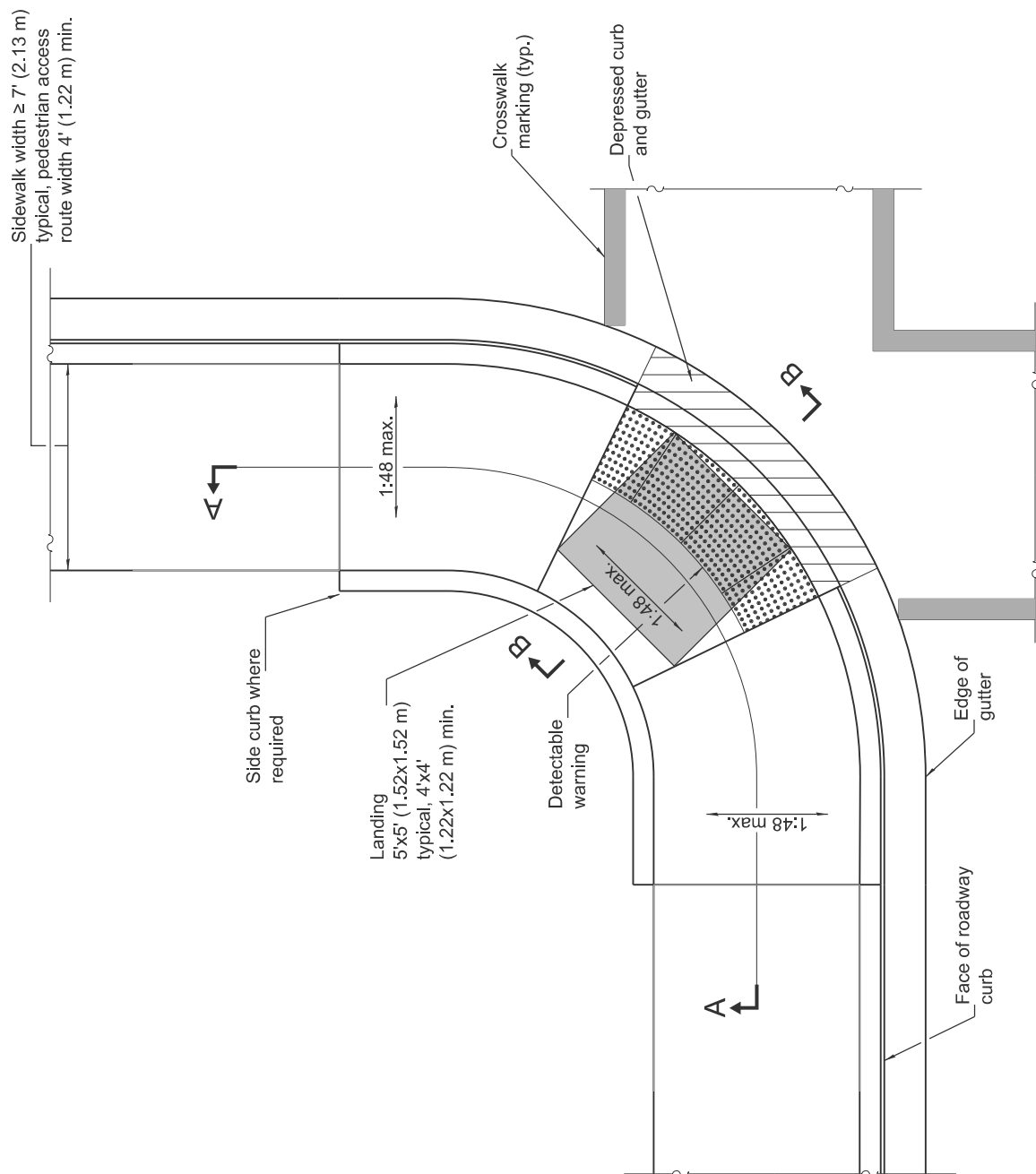
Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

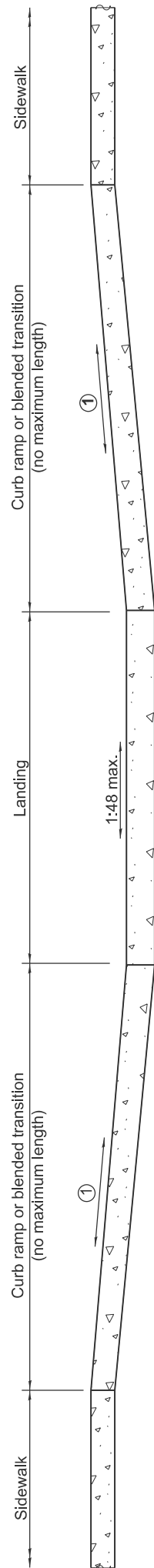
All dimensions are in inches (millimeters) unless otherwise shown.

CORNER PARALLEL CURB RAMPS FOR SIDEWALKS

STANDARD 424011-05



CORNER PARALLEL CURB RAMP

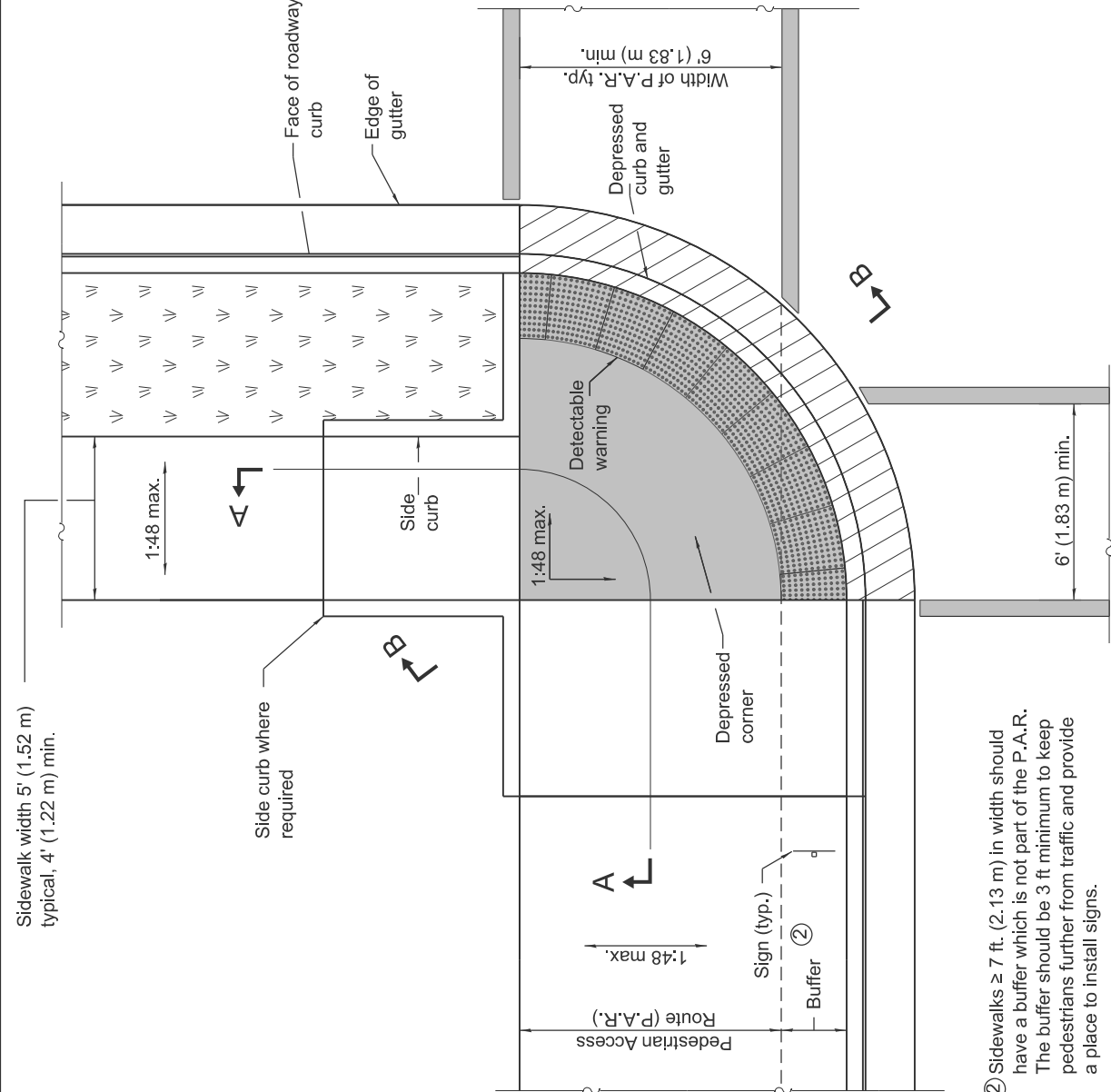


SECTION A-A

- ① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.

	Illinois Department of Transportation		ISSUED 1-1-12
	APPROVED <u>Markell M. McCall</u>	January 1, 2025	<u>ENGINEER OF POLICY AND PROCEDURES</u>
	APPROVED <u>Robt. C. Cline</u>	January 1, 2025	<u>ENGINEER OF DESIGN AND ENVIRONMENT</u>

DATE	REVISIONS
1-1-25	Revised turning space with landing and updated cross-slope.
1-1-19	Removed upper landing, added blended transition and detectable warning tolerances.

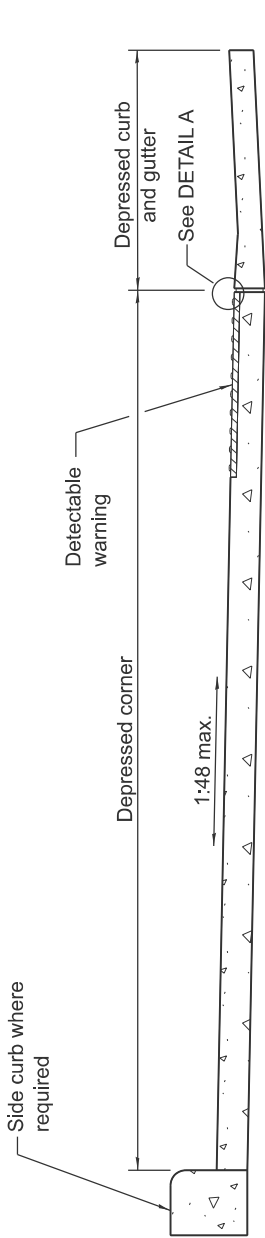
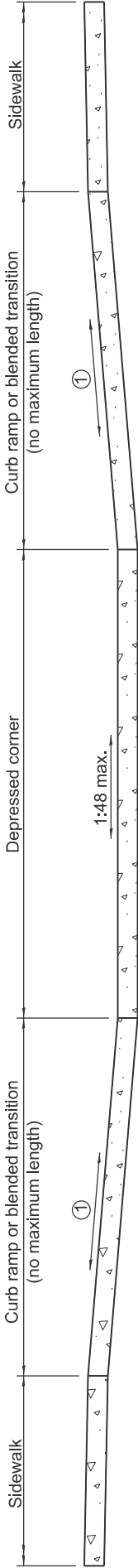


② Sidewalks $\geq$ 7 ft. (2.13 m) in width should have a buffer which is not part of the P.A.R. The buffer should be 3 ft minimum to keep pedestrians further from traffic and provide a place to install signs.

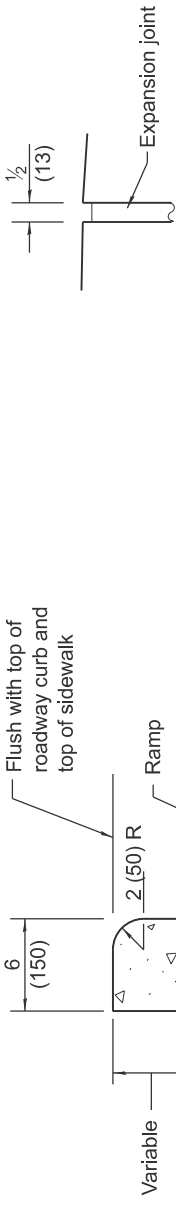
DEPRESSED CORNER

SECTION A-A

- ① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.



SECTION B-B



DETAIL A

SIDE CURB DETAIL

GENERAL NOTES

This standard shall only be used for curb radii of 6 ft. (1.83 m) or greater.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:48 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal tolerances but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in. width is allowed.

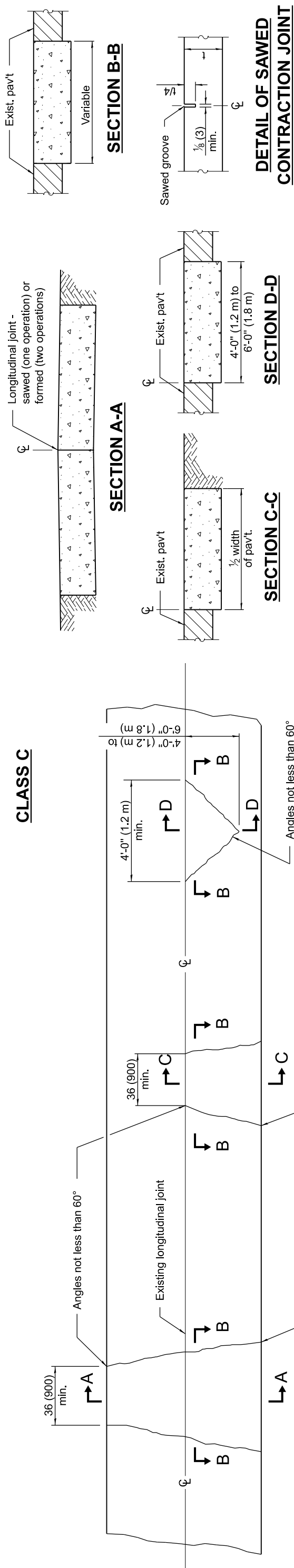
Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

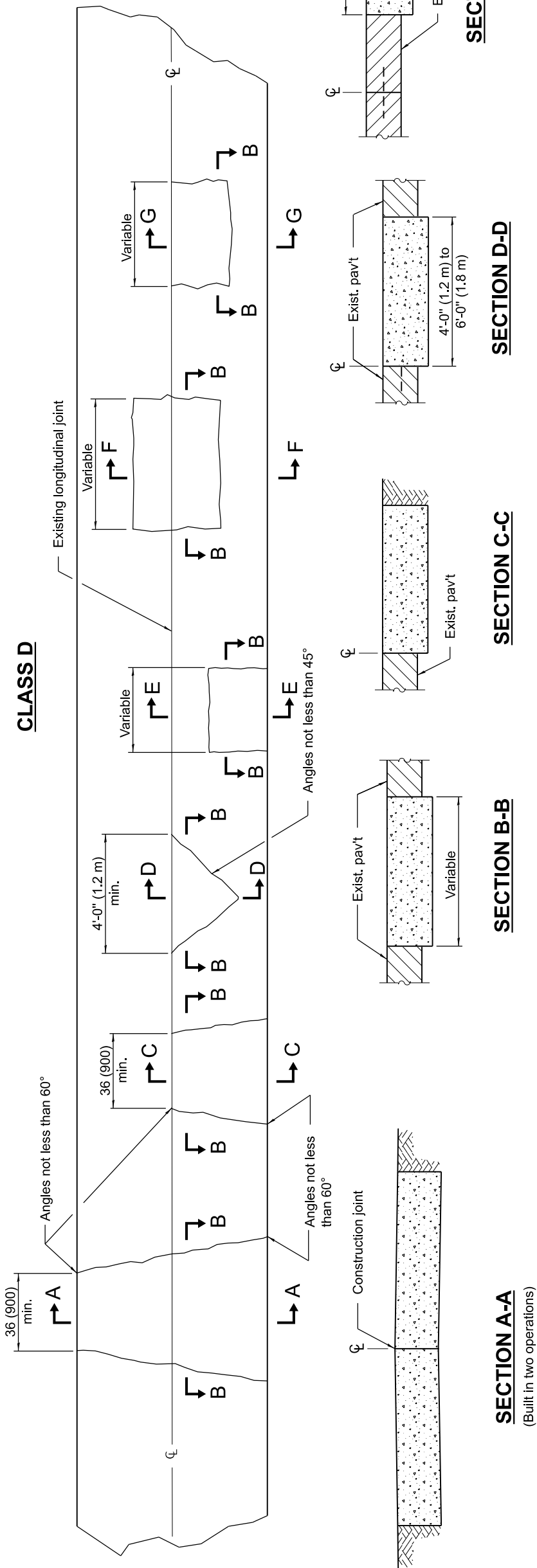
Illinois Department of Transportation		ISSUED 1-1-12	
APPROVED	January 1, 2025		
ENGINEER OF POLICY AND PROCEDURES			
APPROVED	January 1, 2025		
ENGINEER OF DESIGN AND ENVIRONMENT			
DATE	REVISIONS	DEPRESSED CORNER FOR SIDEWALKS	
1-1-25	Remove min running slope from note 1 and updated cross-slope.		
1-1-21	Added crosswalk striping and a "buffer" for wide sidewalks.		
		STANDARD 424021-07	

CLASS C



Note: Longitudinal joints shall be as detailed on Standard 420001, except tie bars are not required for patches 20'-0" (6.0 m) or less in length.

CLASS D

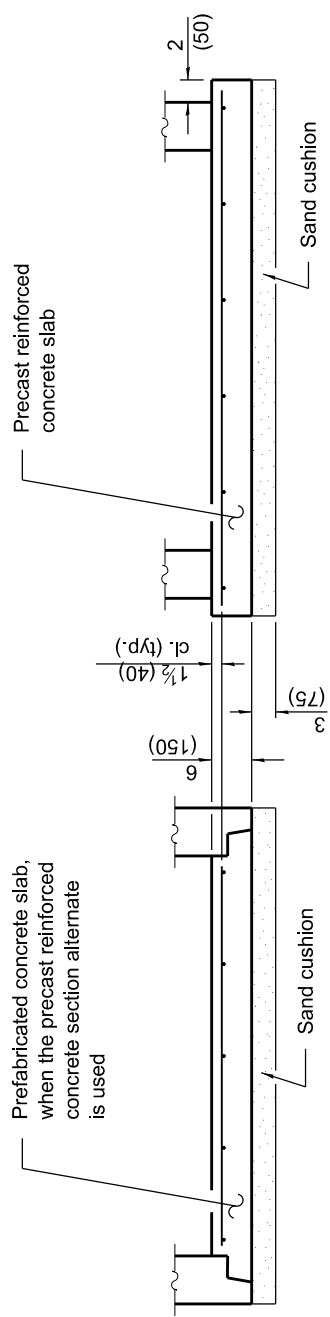


GENERAL NOTES

Existing tie bars shall be either cut or removed.
Marginal bars shall be cut.

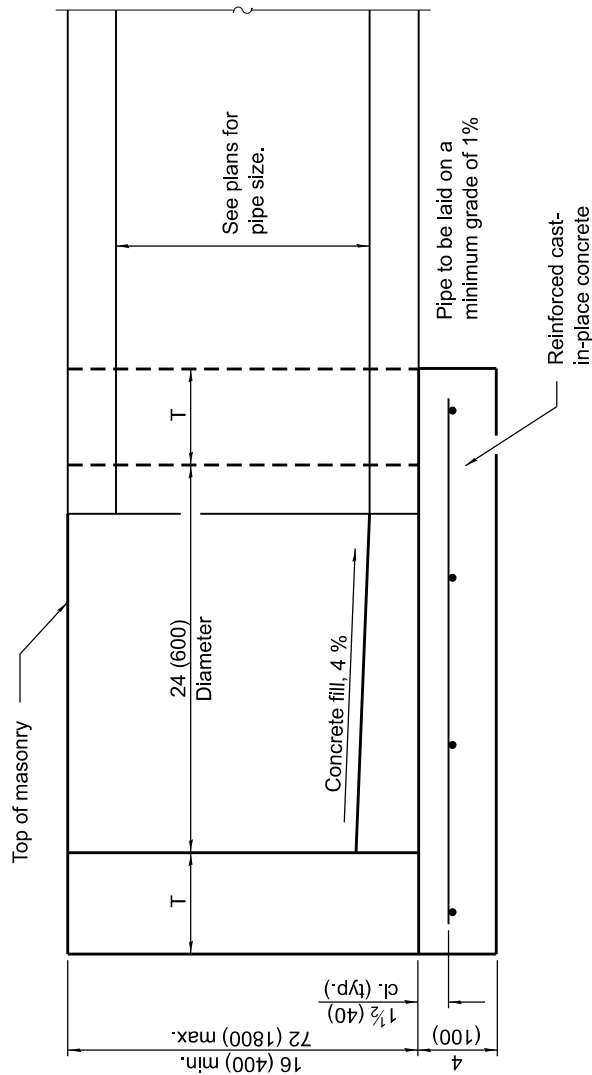
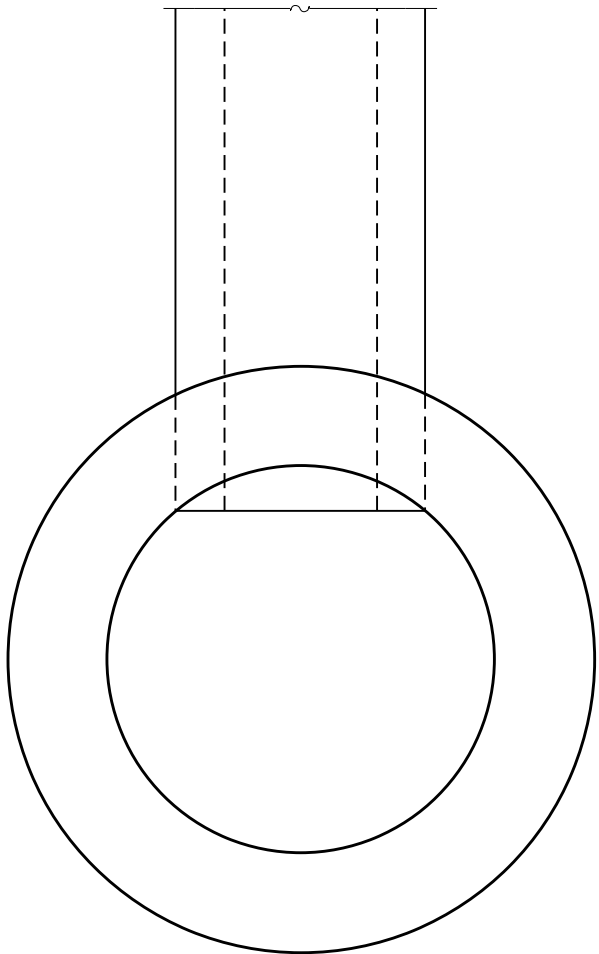
All dimensions are in inches (millimeters) unless otherwise shown.

 Illinois Department of Transportation APPROVED January 1, 2008 <i>Jeffery</i> ENGINEER OF POLICY AND PROCEDURES APPROVED January 1, 2008 <i>Lee E. Han</i> ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-97					
	 3'-0" (0.9 m) to 5'-0" (1.5 m) 3'-0" (0.9 m) to 5'-0" (1.5 m) Exist. pav't <u>SECTION F-F</u> (Built in two operations)					
	<u>SECTION G-G</u>					
	CLASS C and D PATCHES STANDARD 442201-03					
	<table border="1"> <thead> <tr> <th>DATE</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td>1-1-08</td> <td>Switched units to English (metric).</td> </tr> <tr> <td>1-1-07</td> <td>Revised Note for Class C patches.</td> </tr> </tbody> </table>	DATE	REVISIONS	1-1-08	Switched units to English (metric).	1-1-07
DATE	REVISIONS					
1-1-08	Switched units to English (metric).					
1-1-07	Revised Note for Class C patches.					

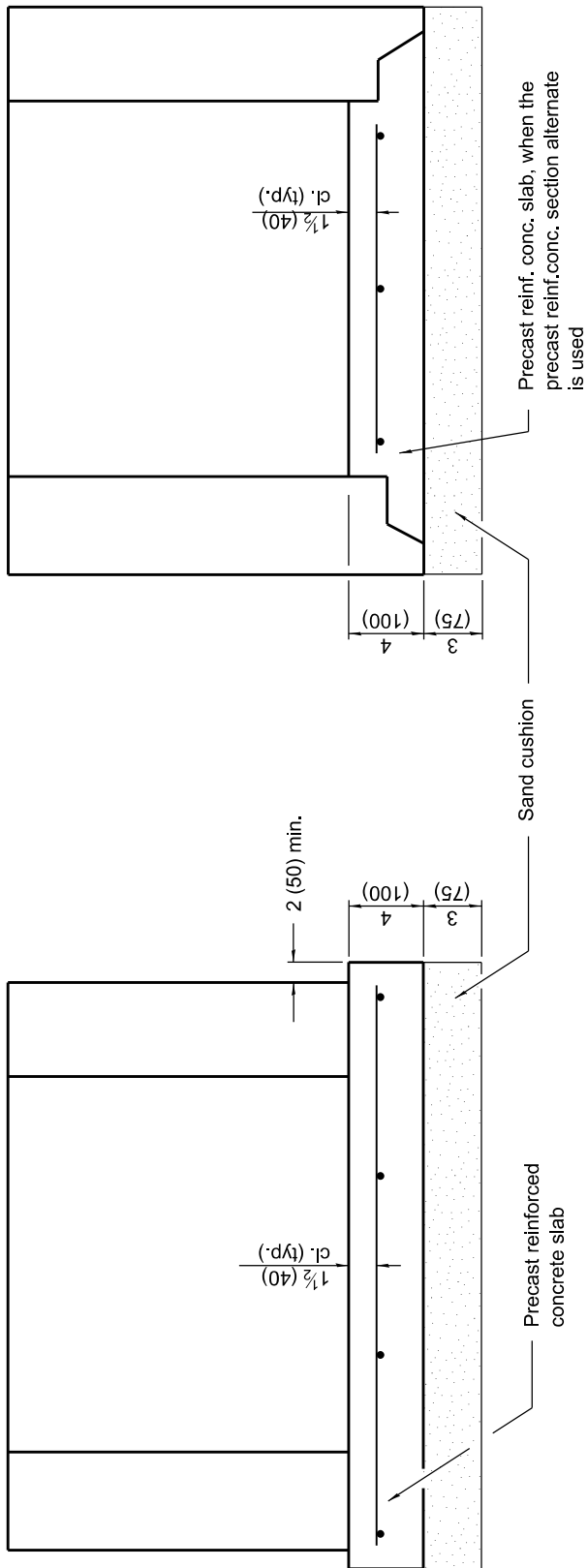


* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).

Illinois Department of Transportation



ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8 (200)
CAST-IN-PLACE CONCRETE	6 (150)
CONCRETE MASONRY UNIT	5 (125)
PRECAST REINFORCED CONCRETE SECTION	3 (75)



ALTERNATE METHODS

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft. (510 sq. mm/m) in both directions with a maximum spacing of 10 (250).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

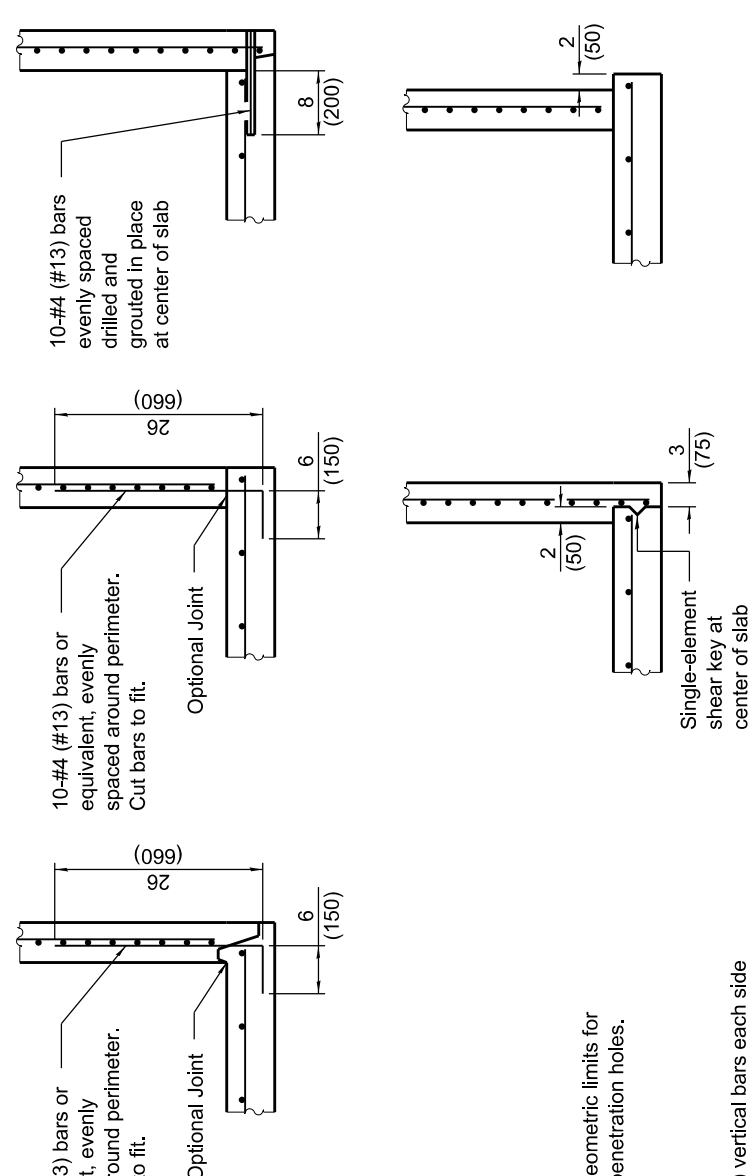
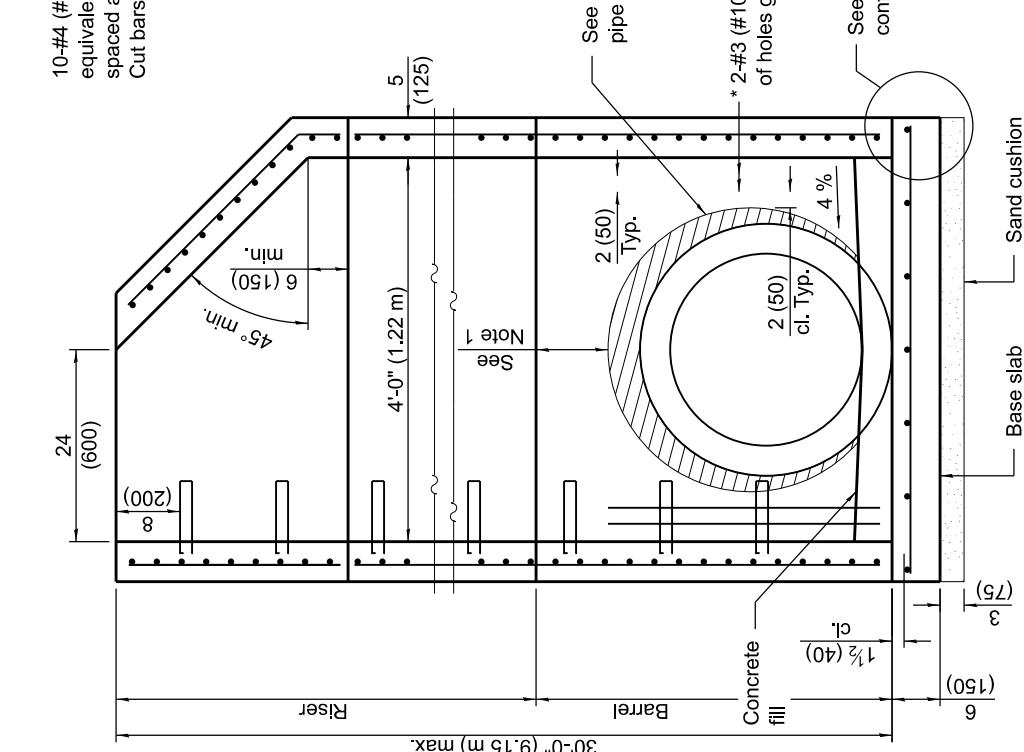
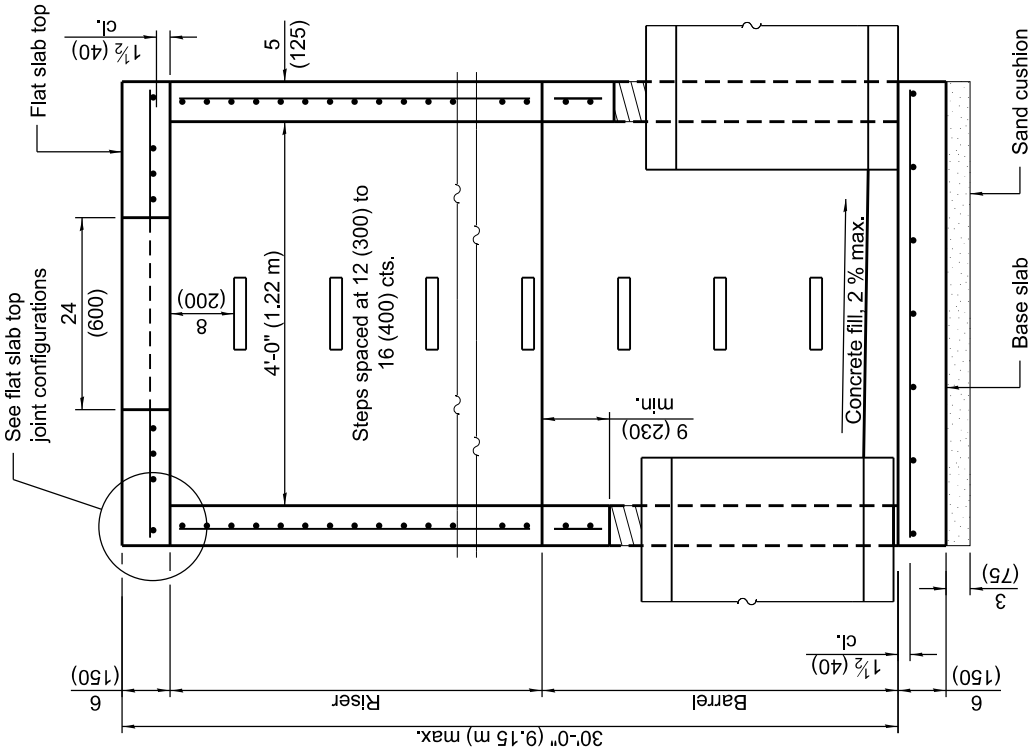
All dimensions are in inches (millimeters) unless otherwise shown.

 Illinois Department of Transportation	APPROVED _____ 2014 <i>Michael Brand</i> <u>ENGINEER OF POLICY AND PROCEDURES</u>	ISSUED 1-1-97
	APPROVED _____ 2014  <u>ENGINEER OF DESIGN AND ENVIRONMENT</u>	

DATE	REVISIONS
1-1-14	Increased height to 72 (1800) maximum.
1-1-11	Detailed rein. in slabs. Added max. limit to height. Added general notes.

INLET - TYPE A

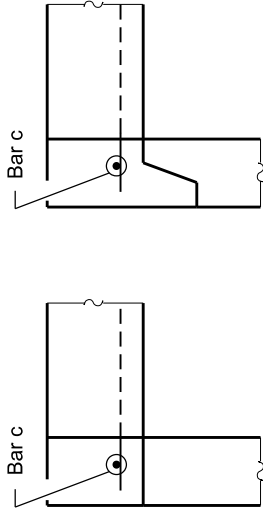
STANDARD 602301-04



BASE SLAB JOINT CONFIGURATIONS

SECTION PARALLEL TO PIPE

(Without conical top riser)



SECTION PERPENDICULAR TO PIPE

(With conical top riser)

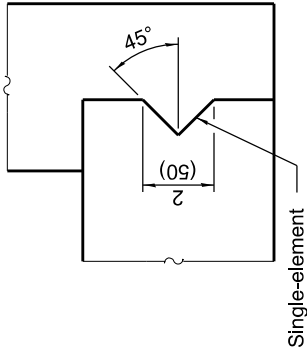
* As an alternate, the barrel wall reinforcement may be reduced to riser wall reinforcement with #3 (#10) bars placed around the pipe penetration holes as shown. This option may be utilized when the pipe penetration holes are formed as opposed to cored.

GEOMETRIC LIMITS FOR PIPE PENETRATION HOLES

- Note 1: A minimum of 9 (230) of monolithic reinforced concrete shall be maintained above pipe penetration holes > 24 (600).
- Note 2: A minimum 12 (300) inside arc length of reinforced concrete shall be maintained between pipe penetration holes > 15 (380).
- Note 3: A maximum of 60 percent of the inside perimeter of the reinforced concrete manhole walls may be removed.
- Note 4: Horizontal joints that intersect pipe penetration holes > 15 (380) shall have one joint splice for every location around the perimeter of the joint where the inside arc length between pipe penetration holes is < 24 (600). See joint splice detail.
- Note 5: The recommended pipe penetration hole is equal to the O.D. of the pipe plus 4 (100).
- Note 6: Only pipe penetration holes ≤ 15 (380) are allowed in riser sections.

FLAT SLAB TOP JOINT CONFIGURATIONS

(Shown at access hole)



Single-element shear key at center of slab

SHEAR KEY GEOMETRY

(Reinforcement not shown for clarity)

GENERAL NOTES

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

DATE	REVISIONS
1-1-21	Revised Note 1 and lift hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER

(Sheet 1 of 2)

STANDARD 602401-07

Illinois Department of Transportation

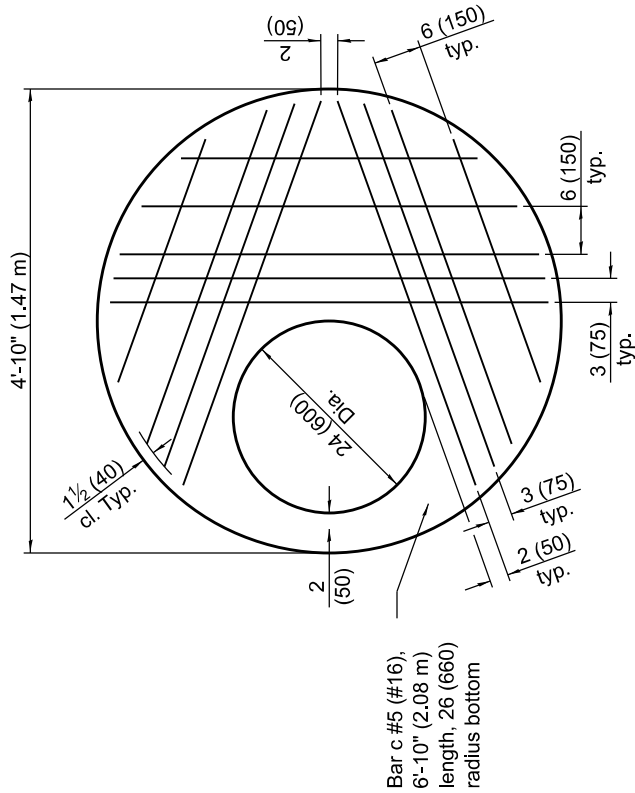
APPROVED January 1, 2021

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021

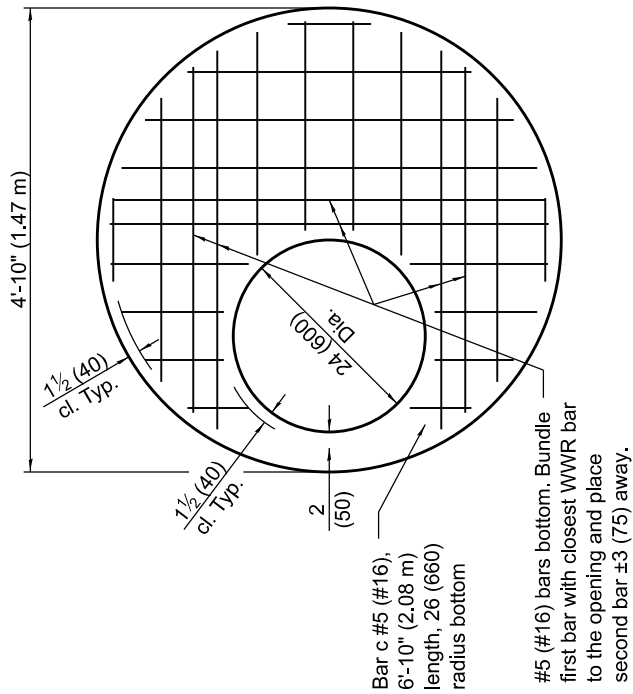
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97



PLAN - FLAT SLAB TOP

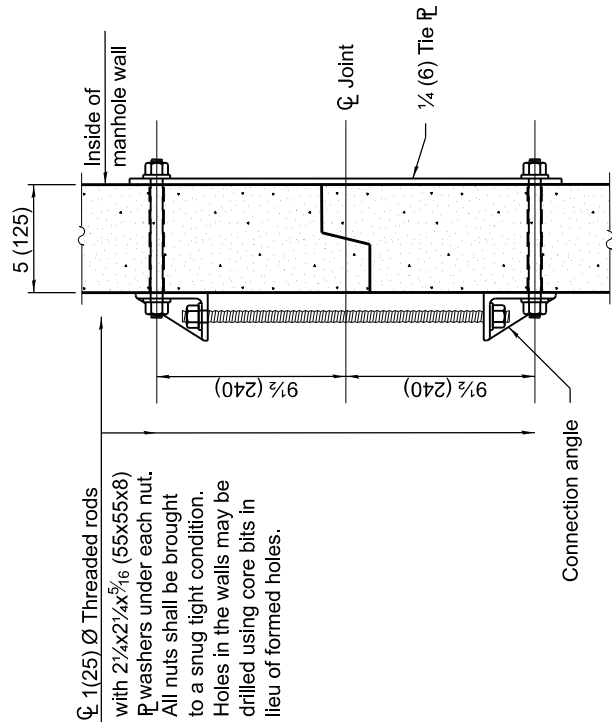
(Showing layout of reinforcement bars and c bars)



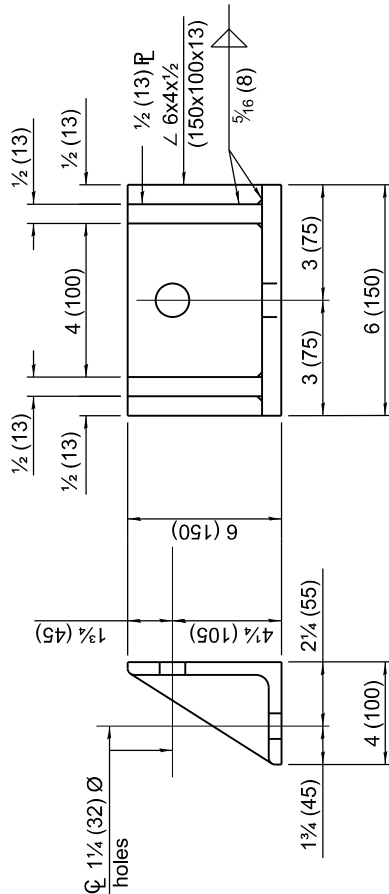
#5 (#16) bars bottom. Bundle first bar with closest WWR bar to the opening and place second bar ± 3 (75) away.

PLAN - FLAT SLAB TOP

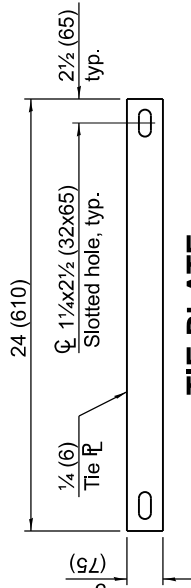
(Showing layout of welded wire reinforcement and c bars)



JOINT SPLICE



CONNECTION ANGLE



FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)		Rebar	
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Bottom Mat	** 0.02 sq. in./ft. (1312 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#5 (#16)

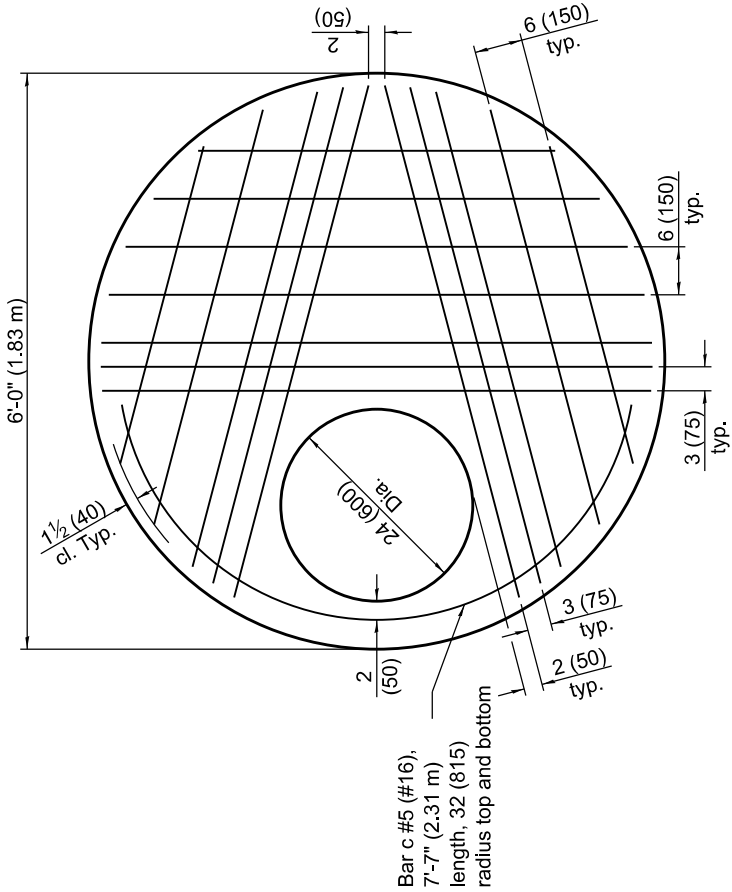
**** Only one layer of WWR permitted to avoid congestion.**

WALL REINFORCEMENT

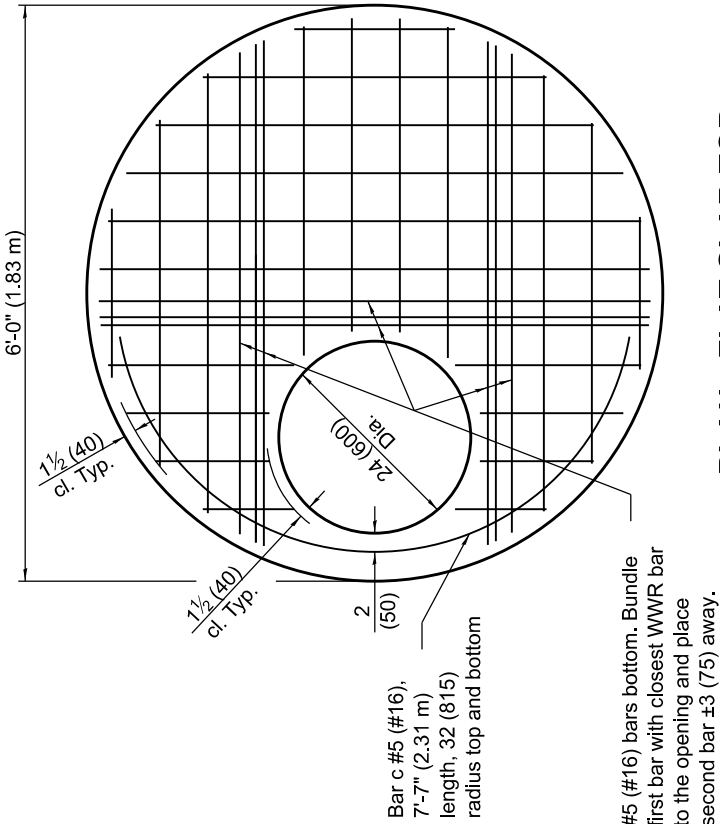
Location	Orientation	WWR or Rebar	
		A _s (min.)	Spacing (max.)
Riser	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)
Barrel	Circumferential	0.12 sq. in./ft. (254 sq. mm/m)	6 (150)
	Vertical	0.16 sq. in./ft. (339 sq. mm/m)	4 (100)

BASE SLAB REINFORCEMENT

Location	Total Height	WWR or Rebar (each direction)	
		A _s (min.)	Spacing (max.)
Top Mat	≤ 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)
	> 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)



PLAN - FLAT SLAB TOP
(Showing layout of bottom reinforcement bars and c bars)



PLAN - FLAT SLAB TOP
(Showing layout of welded wire reinforcement and c bars)

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)		Rebar (each direction except as noted)	
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Top Mat	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)
Bottom Mat	* 0.40 sq. in./ft. (847 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#4 (#13)

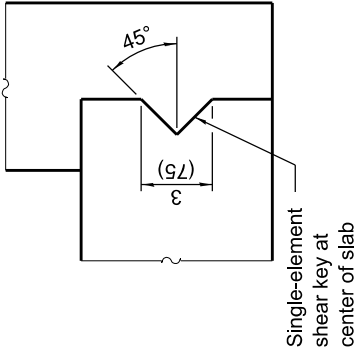
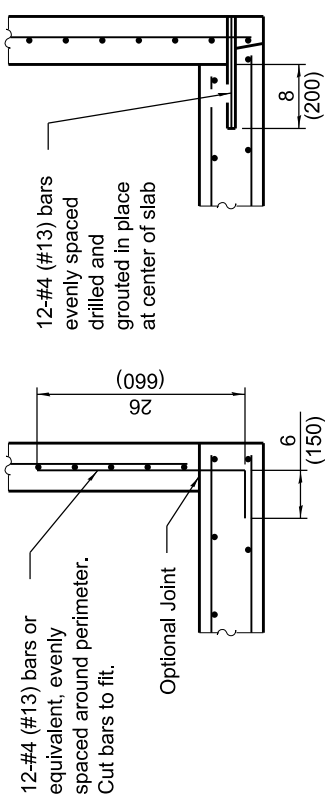
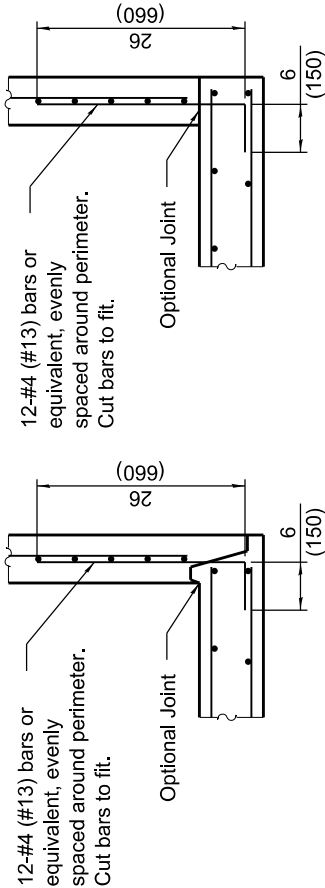
* Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

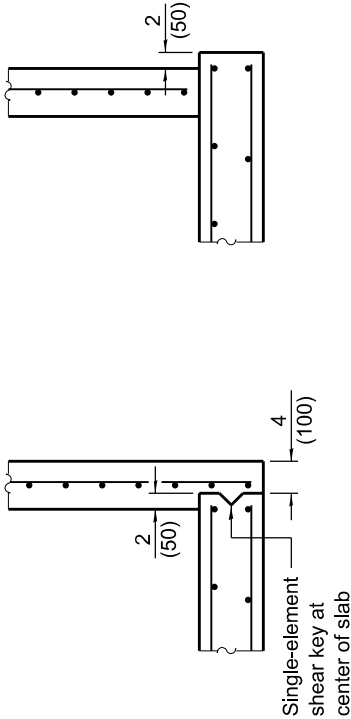
Orientation	WWR or Rebar	
	A _s (min.)	Spacing (max.)
Circumferential	0.15 sq. in./ft. (318 sq. mm/m)	6 (150)
Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)

BASE SLAB REINFORCEMENT

Location	WWR or Rebar (each direction)	
	A _s (min.)	Spacing (max.)
Top Mat	≤ 20 ft. (6.10 m)	0.24 sq. in./ft. (508 sq. mm/m)
	> 20 ft. (6.10 m)	0.28 sq. in./ft. (593 sq. mm/m)
Bottom Mat	All	0.11 sq. in./ft. (233 sq. mm/m)



SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)



BASE SLAB JOINT CONFIGURATIONS

APPROVED

January 1, 2021

ENGINEER OF POLICY AND PROCEDURES

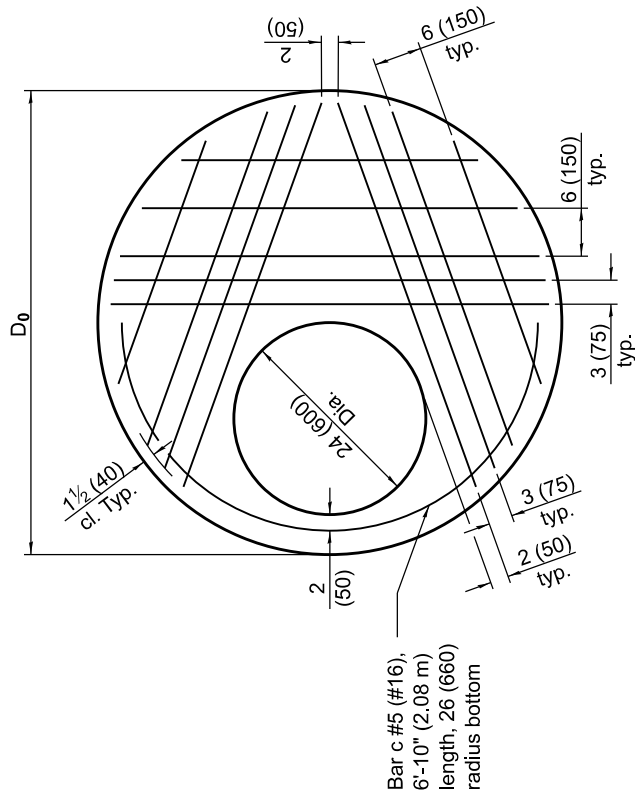
January 1, 2021

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-18

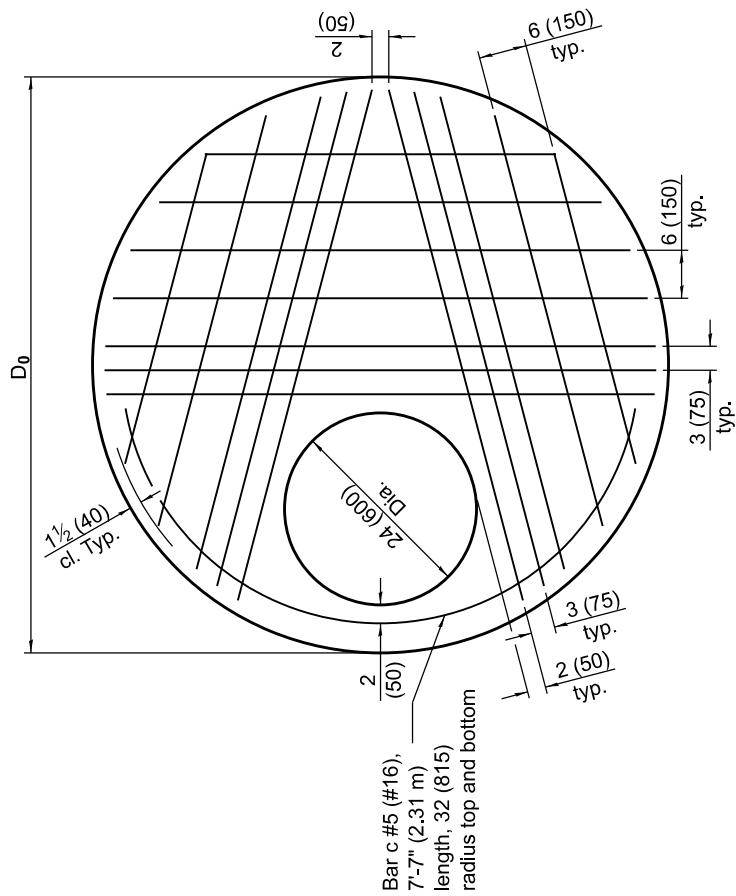
PRECAST VALVE VAULT
TYPE A 5' (1.52 m) DIAMETER

STANDARD 602506-03



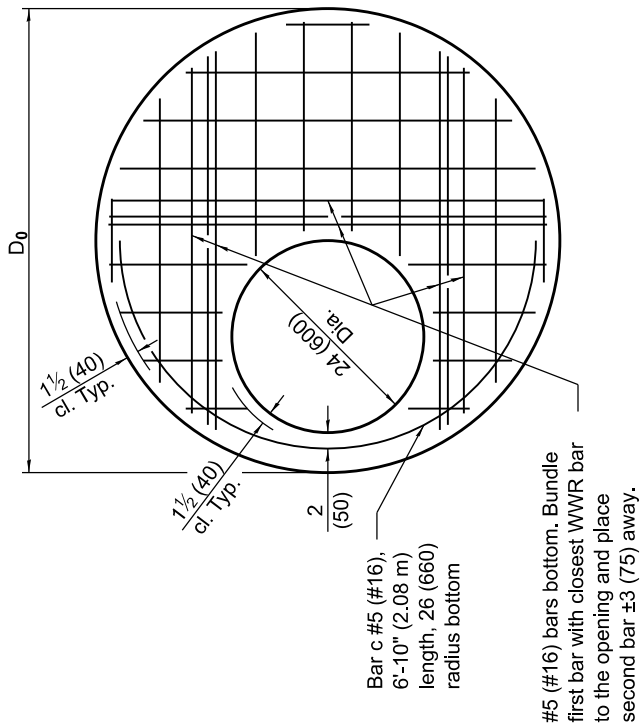
PLAN - FLAT SLAB TOP FOR D = 4'-0" (1.22 m)

(Showing layout of reinforcement bars and c bars)



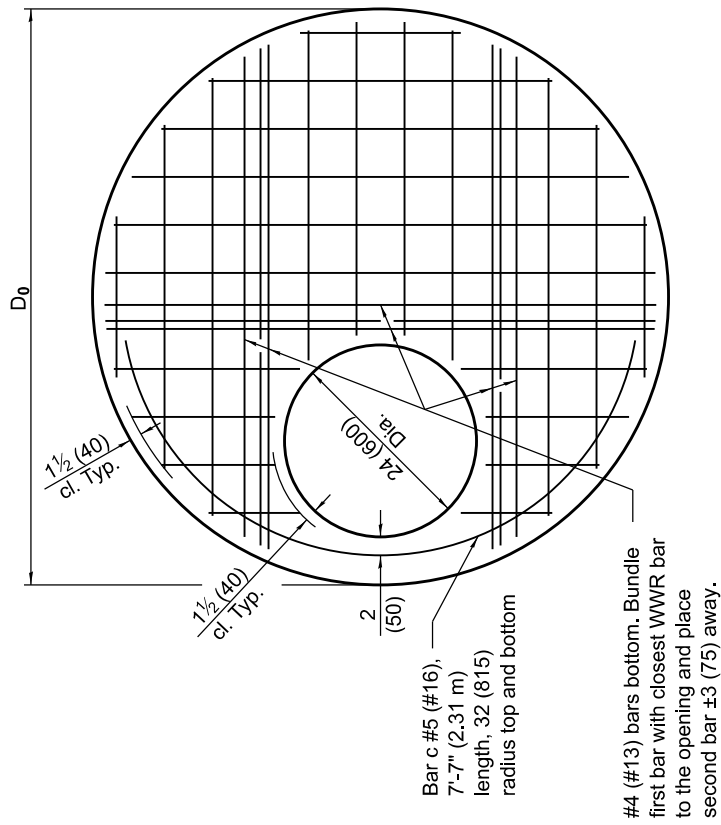
PLAN - FLAT SLAB TOP FOR D = 5'-0" (1.52 m)

(Showing layout of bottom reinforcement bars and c bars)



PLAN - FLAT SLAB TOP FOR D = 4'-0" (1.22 m)

(Showing layout of welded wire reinforcement and c bars)



PLAN - FLAT SLAB TOP FOR D = 5'-0" (1.52 m)

(Showing layout of welded wire reinforcement and c bars)

FLAT SLAB TOP REINFORCEMENT FOR D = 36 (900)

Location	WWR (each direction)		Rebar	
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Bottom Mat	* 0.60 sq. in./ft. (1270 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#4 (#13)

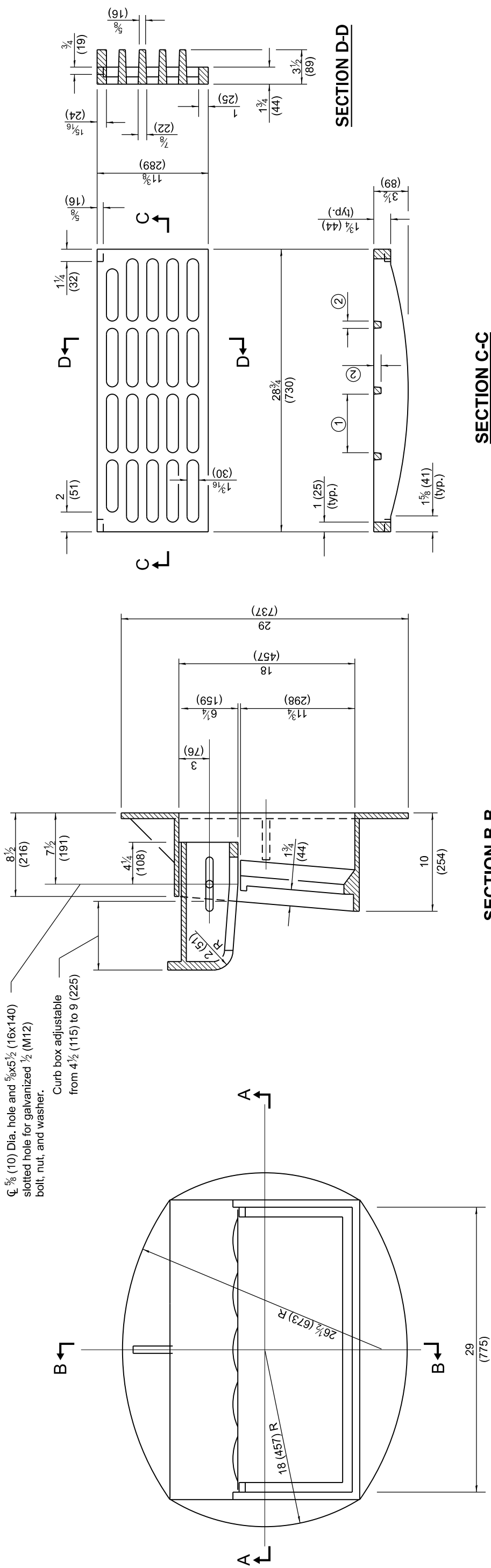
FLAT SLAB TOP REINFORCEMENT FOR D = 4'-0" (1.22 m)

Location	WWR (each direction)		Rebar	
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Bottom Mat	* 0.62 sq. in./ft. (1312 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#5 (#16)

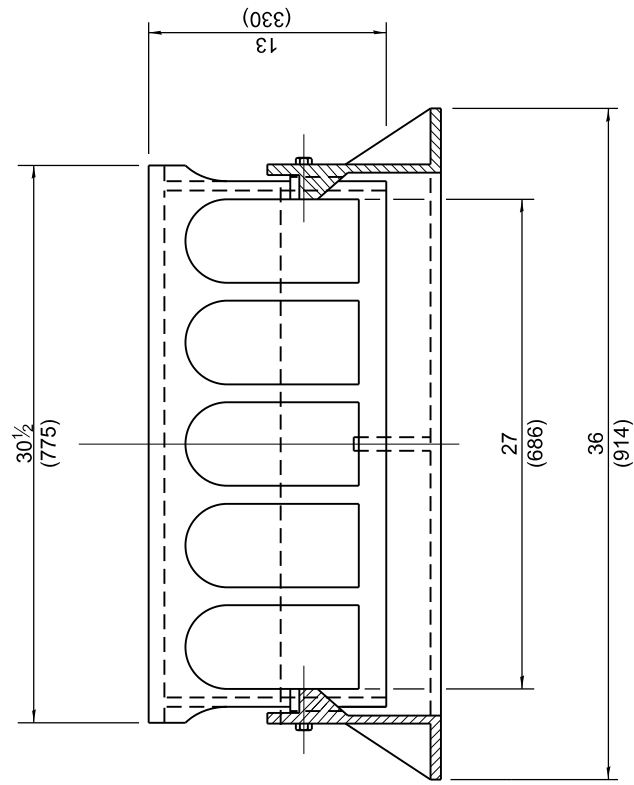
FLAT SLAB TOP REINFORCEMENT FOR D = 5'-0" (1.52 m)

Location	WWR (each direction)		Rebar (each direction except as noted)	
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Top	0.11 sq. in./ft.	18	0.11 sq. in./ft.	18
Mat	(233 sq. mm/m)	(450)	(233 sq. mm/m)	(450)
Bottom	* 0.40 sq. in./ft.	6	See plan view for rebar orientation and spacing and this table for bar size	
Mat	(847 sq. mm/m)	(150)	#4 (#13)	

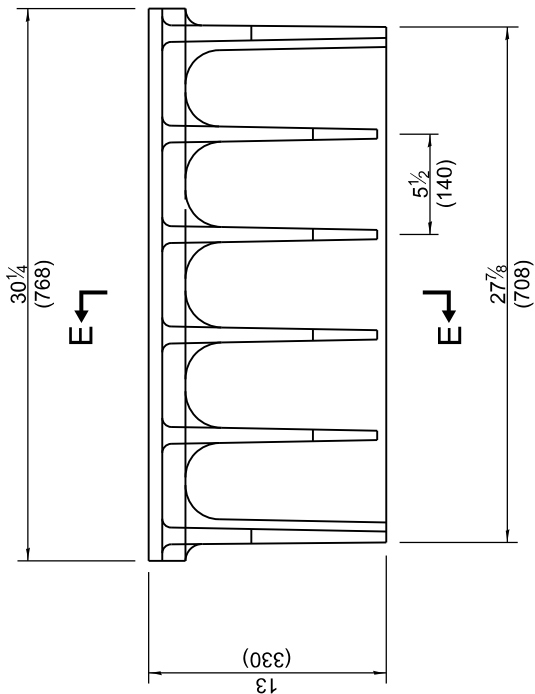
* Only one layer of WWR permitted to avoid congestion.



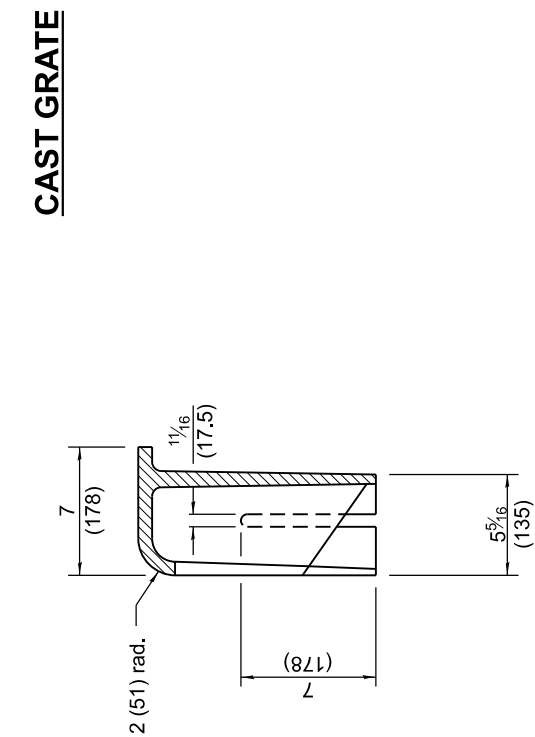
CAST FRAME



SECTION A-A



ALTERNATE CURB BOX



SECTION E-E

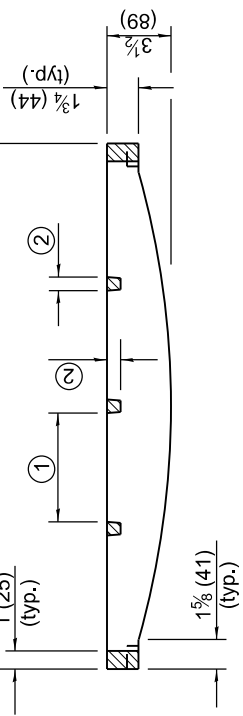
SECTION C-C

- ① = 6¼ (159) max. (typ.)
- ② = ¾ (19) min. (typ.)

CAST GRATE

SECTION B-B

CAST GRATE



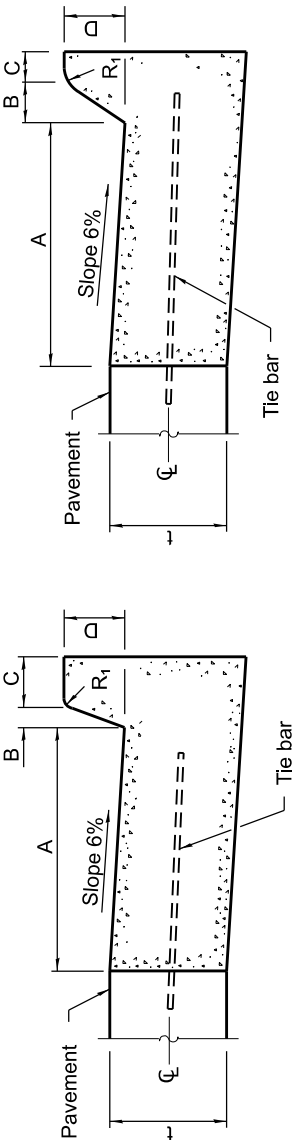
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS	FRAME AND GRATE TYPE 11 STANDARD 604051-04
1-1-15	Revised dimensions of frame and alternate curb box.	
4-1-09	Switched units to English (metric).	

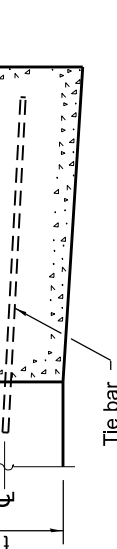
 **Illinois Department of Transportation**

APPROVED	January 1, 2015
<u>Michael Brand</u>	
ENGINEER OF POLICY AND PROCEDURES	
APPROVED	January 1, 2015
<u>[Signature]</u>	
ENGINEER OF DESIGN AND ENVIRONMENT	

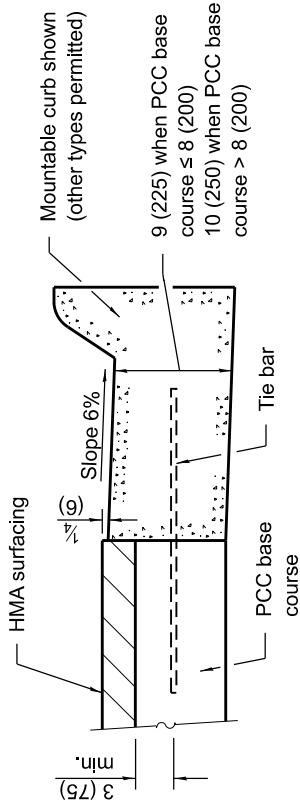
ISSUED 1-1-97



PLAN



DEPRESSED CURB (TYPICAL)



ADJACENT TO PCC BASE COURSE **WITH HMA SURFACING**

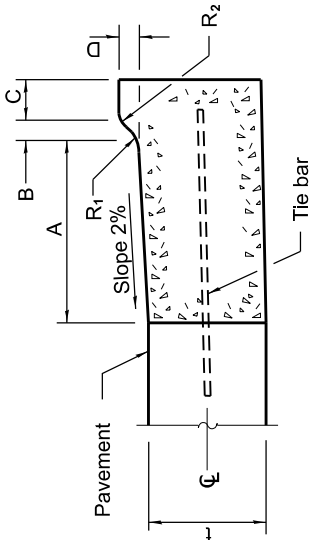


TABLE OF DIMENSIONS BARRIER CURB						
TYPE	A	B	C	D	R _t	
B-6.06 *	6	1	6	6	1	
(B-15.15)	(150)	(25)	(150)	(150)	(25)	
B-6.12	12	1	6	6	1	
(B-15.3)	(300)	(25)	(150)	(150)	(25)	
B-6.18	18	1	6	6	1	
(B-15.45)	(450)	(25)	(150)	(150)	(25)	
B-6.24	24	1	6	6	1	
(B-15.60)	(600)	(25)	(150)	(150)	(25)	
B-9.12	12	2	5	9	1	
(B-22.30)	(300)	(50)	(125)	(225)	(25)	
B-9.18	18	2	5	9	1	
(B-22.45)	(450)	(50)	(125)	(225)	(25)	
B-9.24	24	2	5	9	1	
(B-22.60)	(600)	(50)	(125)	(225)	(25)	

* For corner islands only.

TABLE OF DIMENSIONS MOUNTABLE CURB						
TYPE	A	B	C	D	R ₁	R ₂
M-2.06	6	2	4	2	3	2
(M-5.15)	(150)	(50)	(100)	(50)	(75)	(50)
M-2.12	12	2	4	2	3	2
(M-5.30)	(300)	(50)	(100)	(50)	(75)	(50)
M-4.06	6	4	3	4	3	NA
(M-10.15)	(150)	(100)	(75)	(100)	(75)	
M-4.12	12	4	3	4	3	NA
(M-10.30)	(300)	(100)	(75)	(100)	(75)	
M-4.18	18	4	3	4	3	NA
(M-10.45)	(450)	(100)	(75)	(100)	(75)	
M-4.24	24	4	3	4	3	NA
(M-10.60)	(600)	(100)	(75)	(100)	(75)	
M-6.06	6	6	2	6	2	NA
(M-15.15)	(150)	(150)	(50)	(50)	(50)	
M-6.12	12	6	2	6	2	NA
(M-15.30)	(300)	(150)	(50)	(50)	(50)	
M-6.18	18	6	2	6	2	NA
(M-15.45)	(450)	(150)	(50)	(50)	(50)	
M-6.24	24	6	2	6	2	NA
(M-15.60)	(600)	(150)	(50)	(50)	(50)	

* For corner islands only.



Illinois Department of Transportation

APPROVED _____ January 1, 2022

M: 0.03

11/04/2018
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1 9

APPROVED 7/1/20 JANUARY 1, 20

M-2.06 (M-5.15) and M-2.12 (M-5.30)

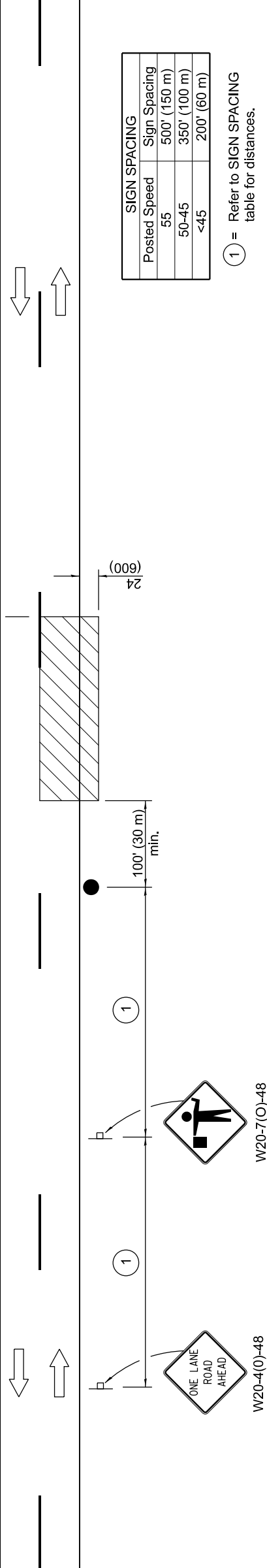
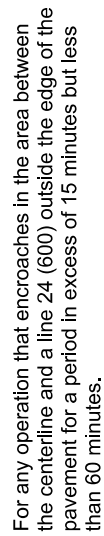
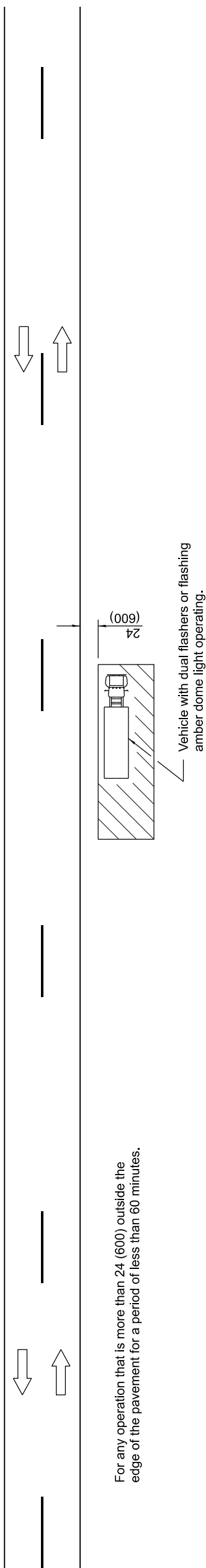
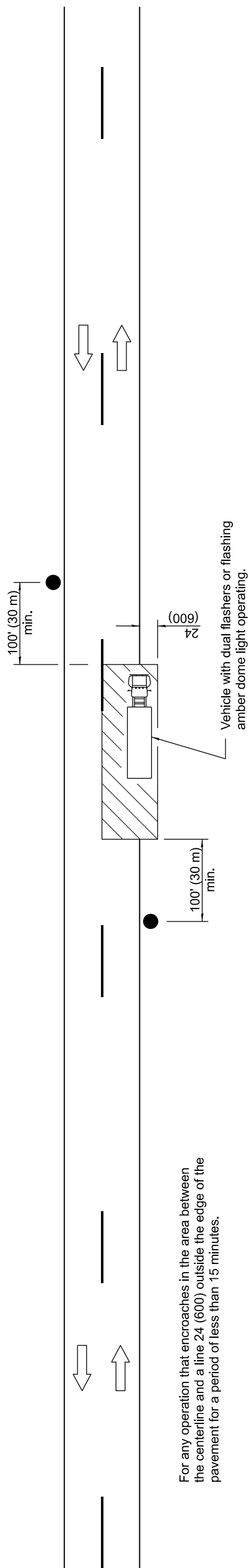
DATE	REVISIONS
1-1-22	Revised contract joint spacing adjacent to pcc pavement.
1-1-18	Revised General Note for tie bar spacing to 36 (900) cts.

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

(Sheet 1 of 2)

STANDARD 606001-08

PLAN Undoweled contraction joint (typ.) construction options: - Form with $\frac{1}{8}$ (3) thick steel template 2 (50) deep, and seal. - Saw 2 (50) deep at 4 to 24 hours, and seal. - Insert $\frac{3}{4}$ (20) thick preformed joint filler full depth and width.	DEPRESSED CURB BARRIER CURB ADJACENT TO FLEXIBLE PAVEMENT DEPRESSED CURB BARRIER CURB ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE CONCRETE CURB TYPE B ON UNDISTURBED SUBGRADE ON DISTURBED SUBGRADE CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER (Sheet 2 of 2) STANDARD 606001-08
	ADJACENT TO FLEXIBLE PAVEMENT



① = Refer to SIGN SPACING table for distances.

TYPICAL APPLICATIONS

Marking patches
Field survey
String line
Utility operations
Cleaning up debris on pavement

SYMBOLS

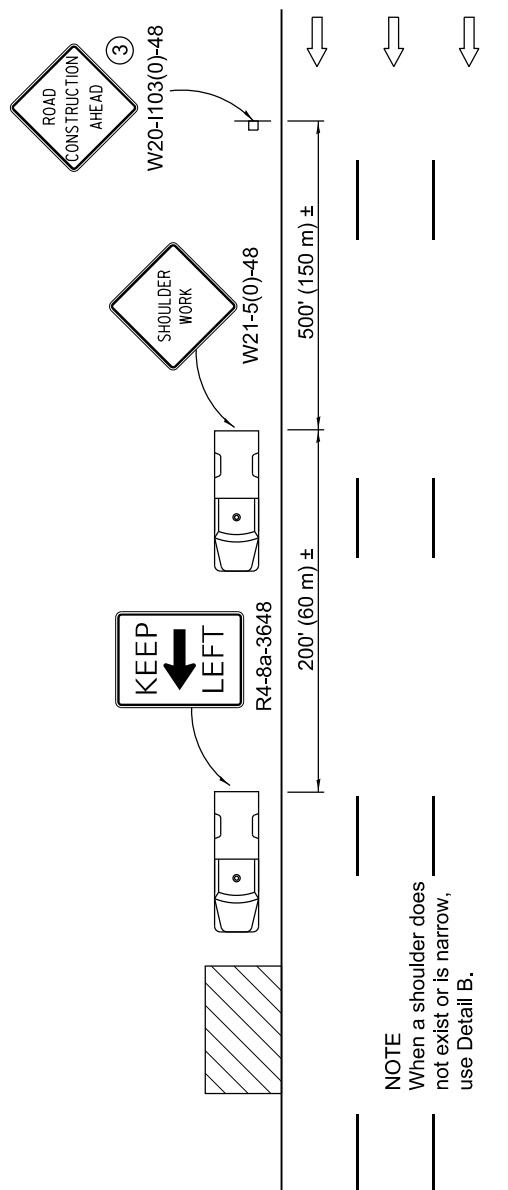
Work area
Sign on portable or permanent support
Flagger with traffic control sign

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric).

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

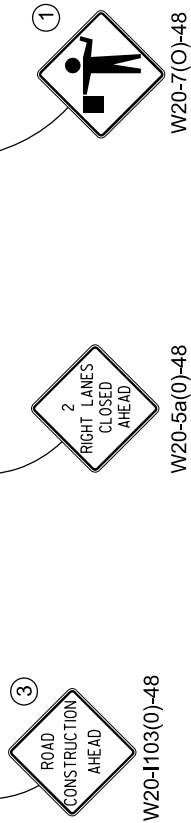
STANDARD 701301-04



DETAIL A

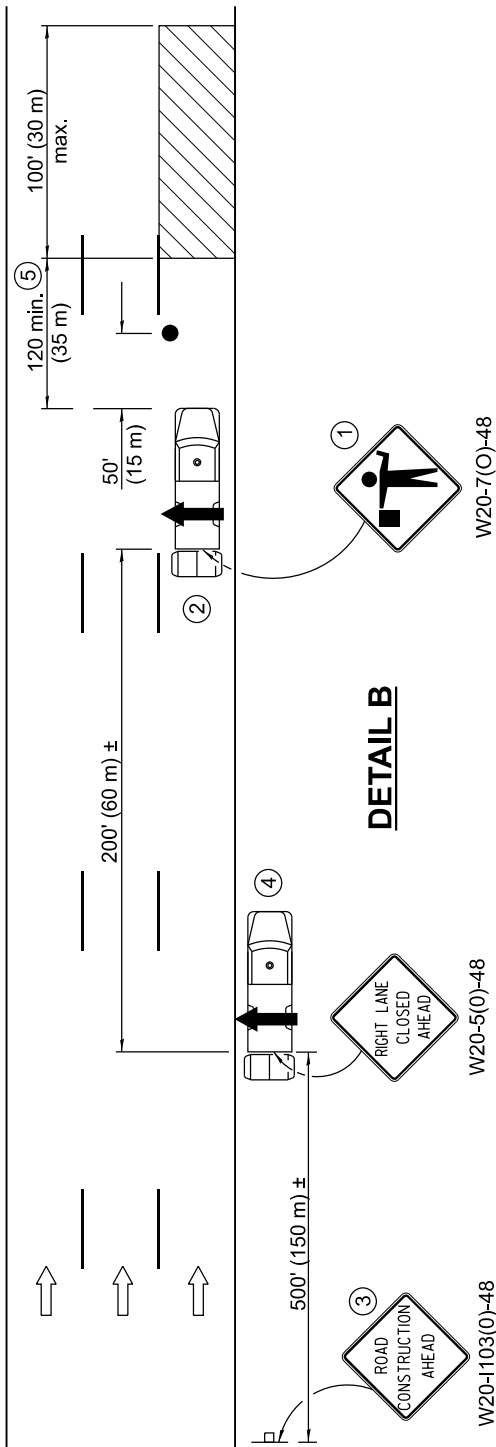
NOTE

When a shoulder does not exist or is narrow, use Detail B.



TYPICAL APPLICATIONS

Landscaping work
Utility work
Pavement marking
Weed spraying
Roadometer measurements
Debris cleanup
Crack pouring



DETAIL B



Arrow board

Work area

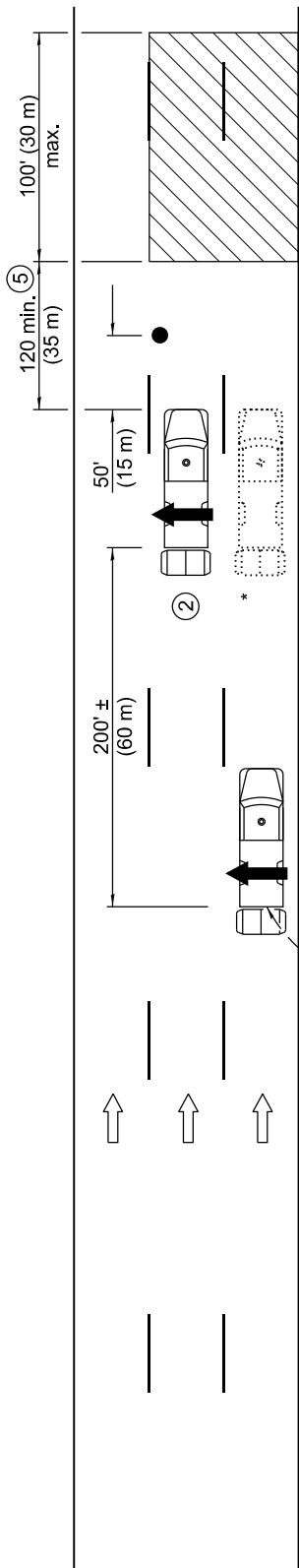


Truck with flashing amber light

Truck/Trailer mounted attenuator

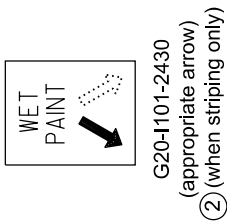
- Flagger with traffic control sign

Sign



DETAIL C

* Required when workers are on the pavement.



GENERAL NOTES

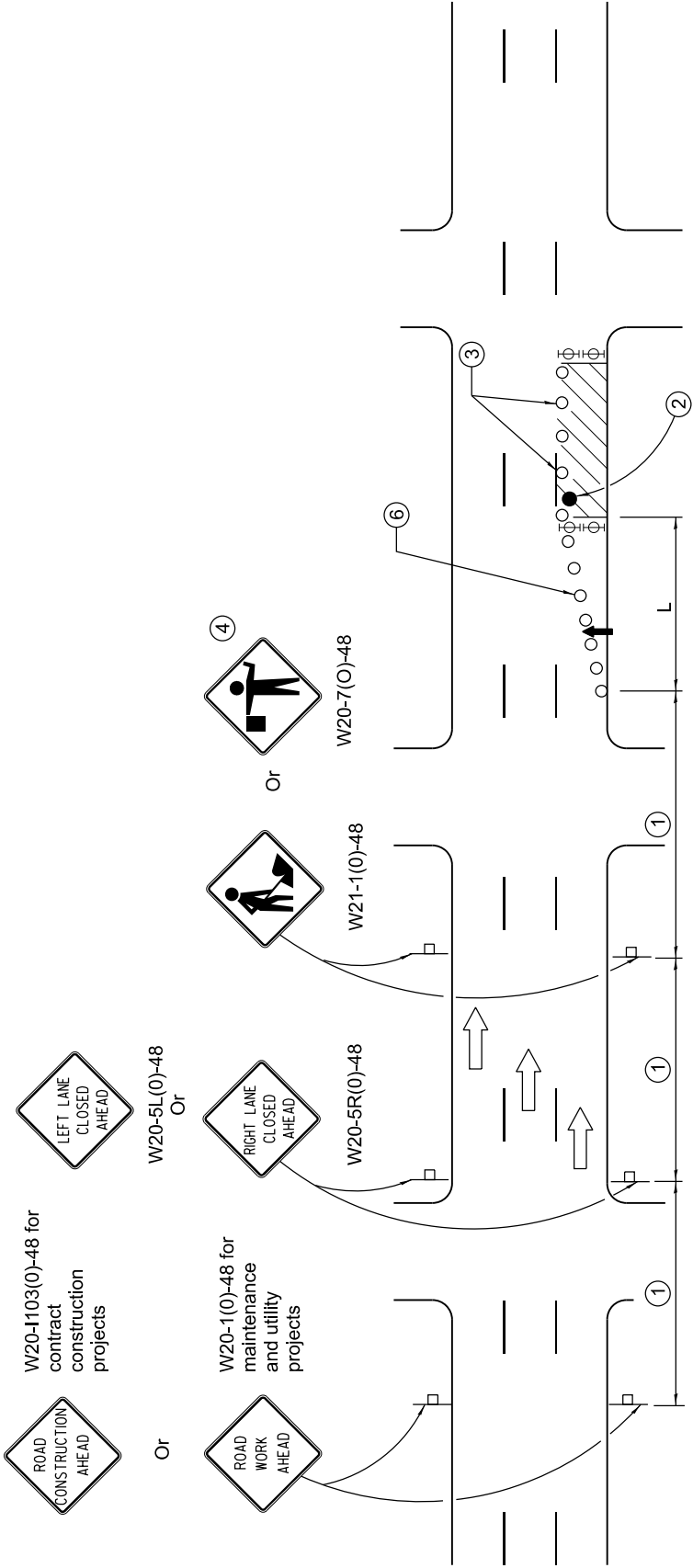
This Standard is used where any vehicle, equipment, workers or their activities will require:

- 1) stationary operations up to 1 hour, or 2) a continuous or intermittent moving operation where the average speed of movement is greater than 1 mph (2 km/h).

This Standard is also applicable when work is being performed in the left lane(s) or on the median shoulder. Under these conditions, KEEP RIGHT signs shall be substituted for KEEP LEFT signs and arrow board indications shall be directed to the right.

All dimensions are in inches (millimeter)
unless otherwise shown.

DATE	REVISIONS
1-1-17	Revised 'NOTE' on DETAIL A to use DETAIL B in lieu of DETAIL C.
4-1-16	Revised general notes. Added note ⑤. Revised distance between work and lead truck.
LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH STANDARD 701427-05	



SIGN SPACING		
Posted Speed	Sign Spacing	
55	500' (150 m)	
50-45	350' (100 m)	
<45	200' (60 m)	

SYMBOLS

- ↑ Arrow board
- Cone, drum or barricade
- ⌊ Sign on portable or permanent support
- Work area
- Barricade or drum with flashing light
- Type III barricade with flashing lights
- Flagger with traffic control sign.

- ① Refer to SIGN SPACING TABLE for distances.
- ② Required for speeds > 40 MPH
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Use flagger sign only when flagger is present.
- ⑤ For approved sideroad closures.
- ⑥ Cones, drums or barricades at 20' (6 m) in taper.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in urban areas.

Calculate L as follows:

SPEED LIMIT

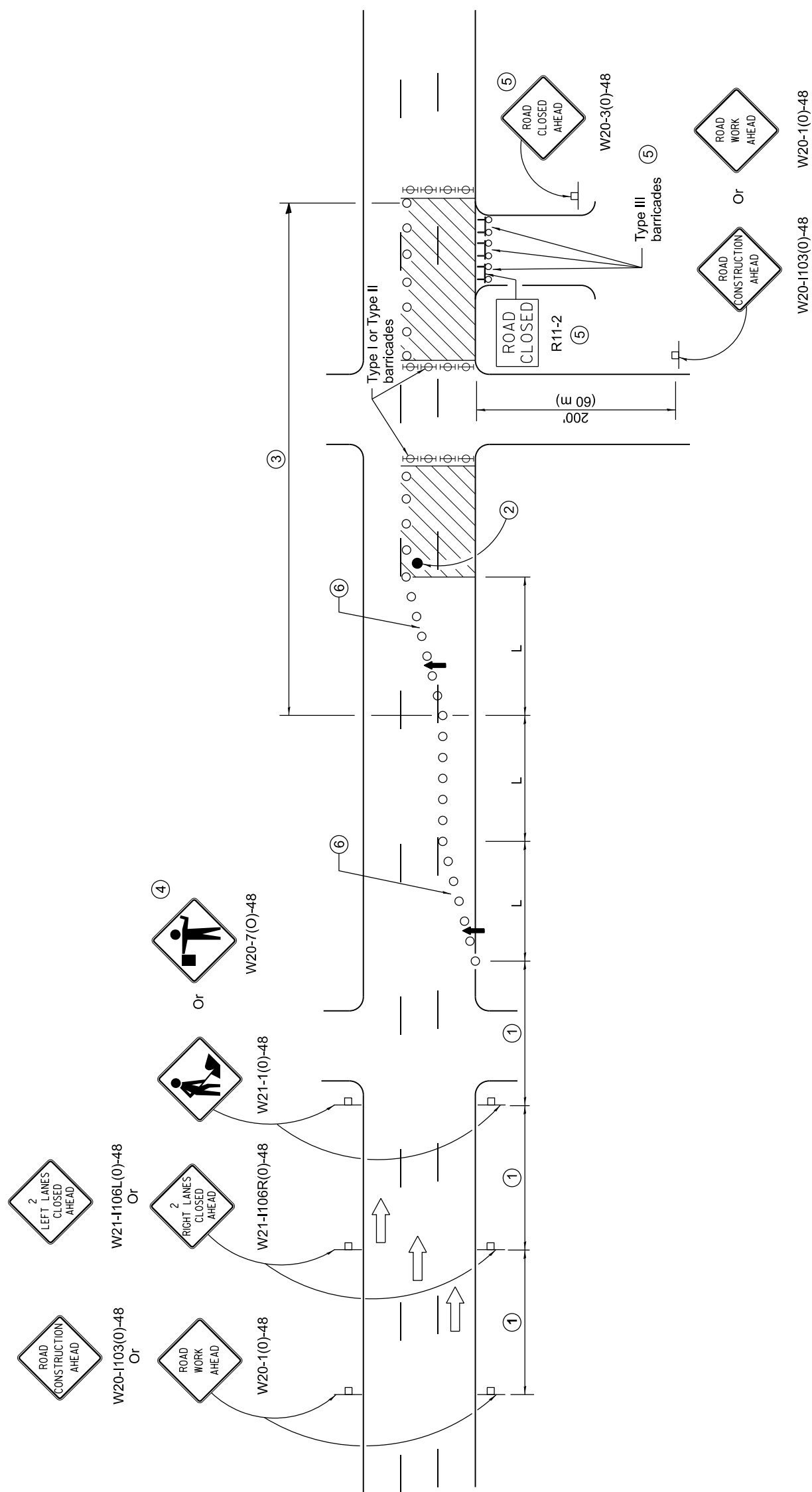
FORMULAS		
English	(Metric)	
$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$	
$L = (W)(S)$	$L = 0.65(W)(S)$	

W = Width of offset
in feet (meters).

S = Normal posted speed
mph (km/h).

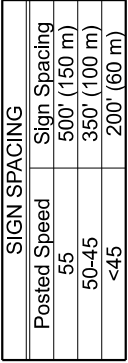
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation APPROVED January 1, 2014 <i>Frank J. Blawie</i> ENGINEER OF SAFETY ENGINEERING APPROVED January 1, 2014 <i>DR</i> ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-97	
	DATE	REVISIONS
	1-1-14	Revised workers sign number to agree with current MUTCD.
	1-1-13	Omitted text 'WORKERS' sign.
URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN (Sheet 1 of 2)		
STANDARD 701601-09		



**URBAN LANE CLOSURE,
MULTILANE, 1W OR 2W WITH
NONTRAVERSABLE MEDIAN**
(Sheet 2 of 2)

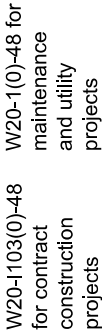
STANDARD 701601-09



MEDIAN OPERATIONS

- ① Refer to SIGN SPACING TABLE for distance.
- ② Required for speed > 40 mph.
- ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
- ④ Use flagger sign only when flagger is present.
- ⑤ Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.
- ⑥ Cones, drums or barricades at 20' (6 m) centers in taper.
- ⑦ Advanced arrow board required for speeds > 45 mph.
- ⑧ Three Type II barricades, drums or vertical barricades at 50' (15 m) centers.

	Work area
	Cone, drum or barricade
	Sign on portable or permanent support
	Arrow board
	Barricade or drum with flashing light
	Flagger with traffic control sign



This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

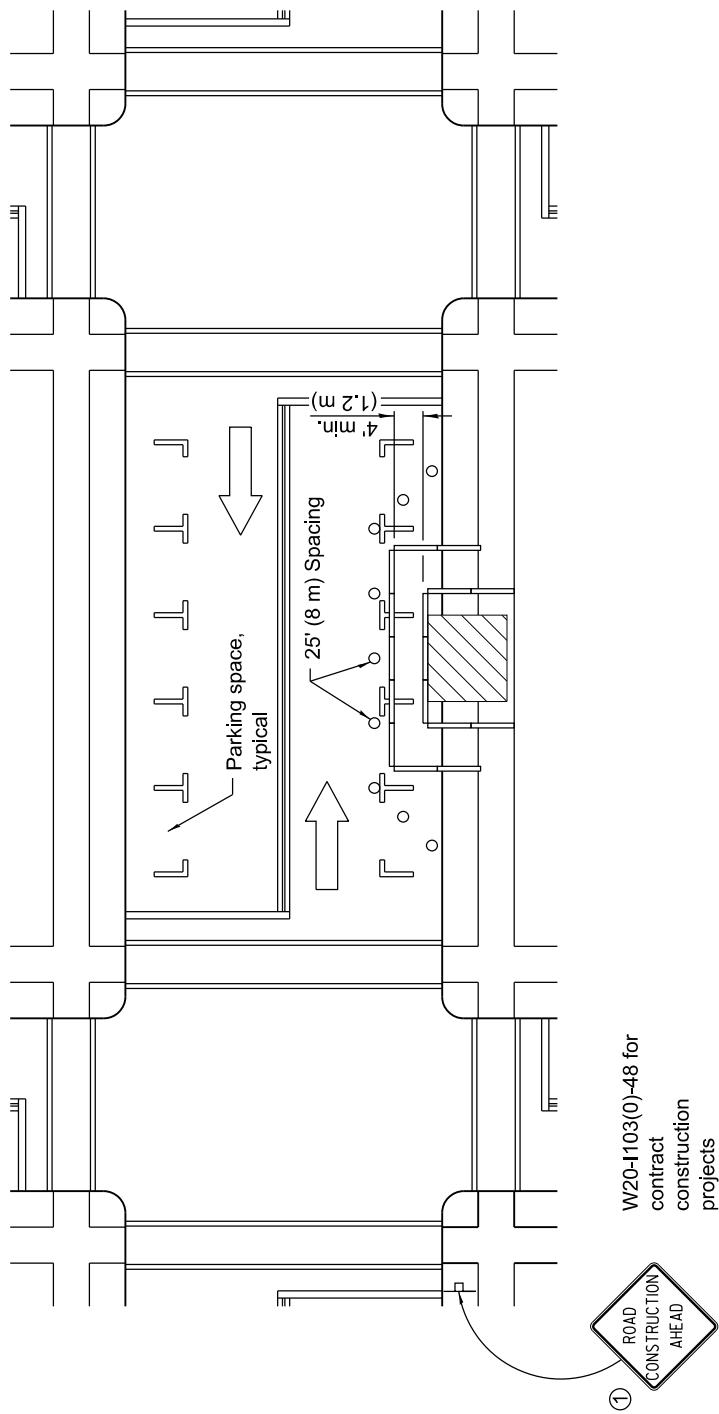
SPEED LIMIT		FORMULAS	
English	(Metric)		
$L = \frac{WS^2}{60}$	WS^2	$L = \frac{WS^2}{150}$	
40 mph (70 km/h) or less:			
45 mph (80 km/h) or greater:		$L = (W)(S)$	$L = 0.65(W)(S)$
$W =$	Width of offset in feet (meters).		
$S =$	Normal posted speed mph (km/h).		

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
4-1-16	Corrected sign number for LEFT TURN LANE CLOSED AHEAD.
1-1-14	Added devices at arrow board upstream from taper. Revised workers sign number.

URBAN LANE CLOSURE, MULTILANE INTERSECTION

STANDARD 701701-10



GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

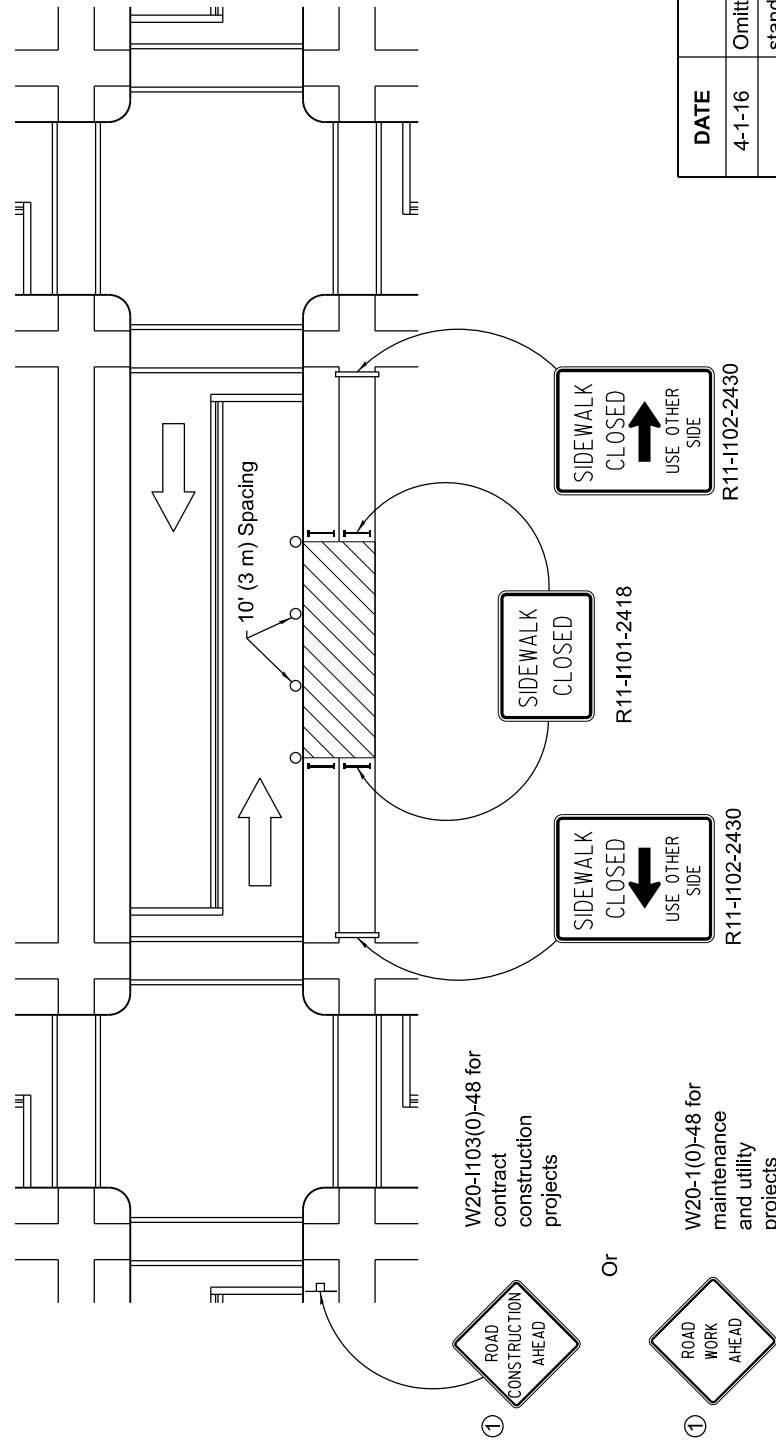
Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

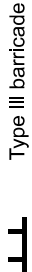
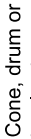
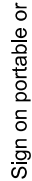
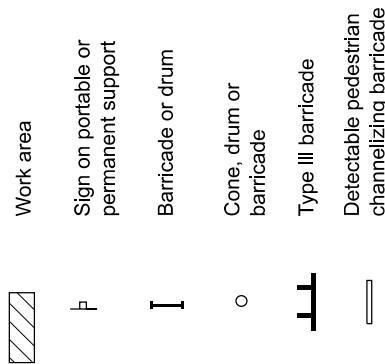
The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

All dimensions are in inches (millimeters) unless otherwise shown.



SYMBOLS



SIDEWALK DIVERSION

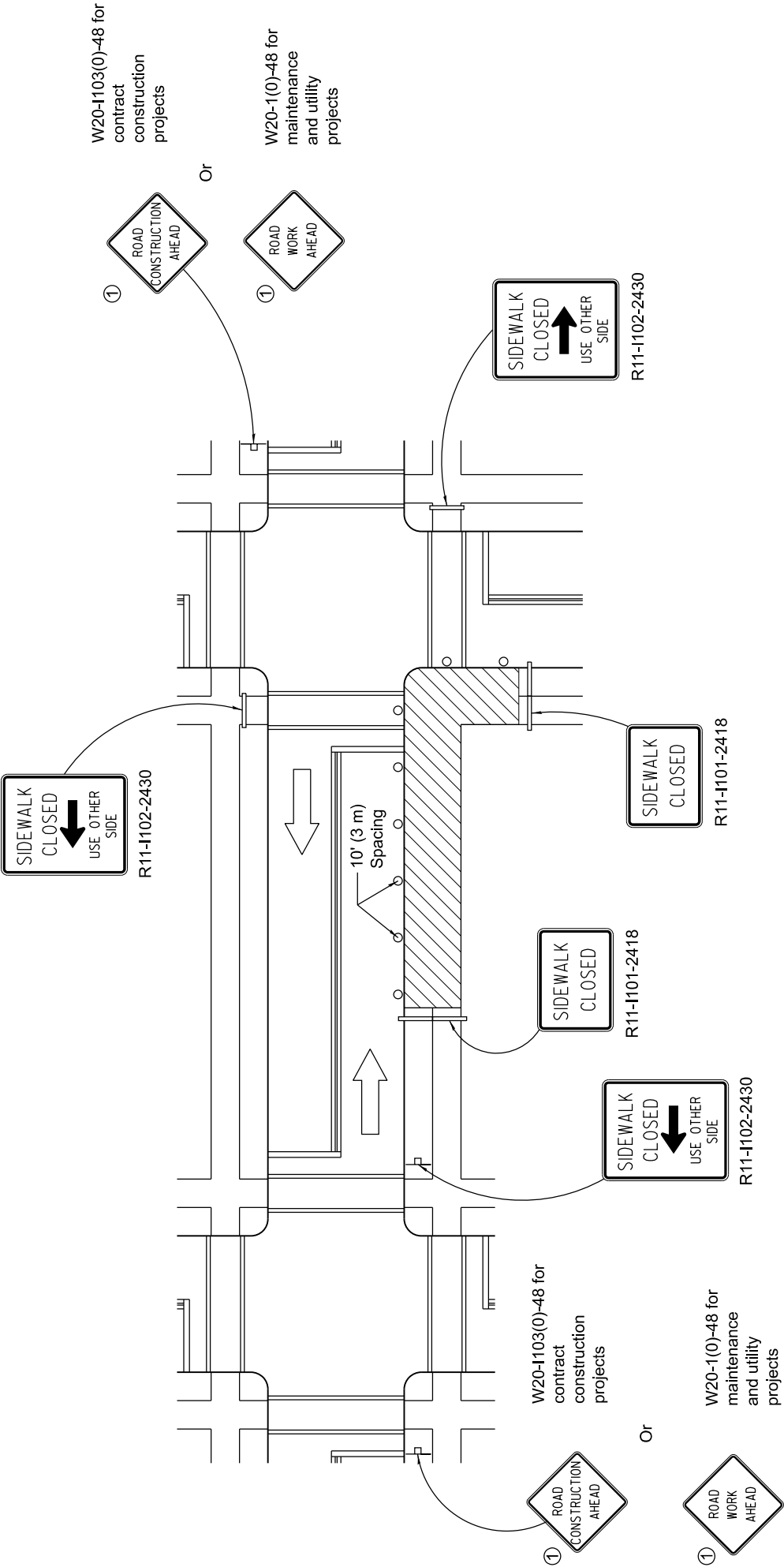
SIDEWALK CLOSURE

DATE	REVISIONS
4-1-16	Omitted orange safety fence from standard as this is covered in the standard spec.
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of plan views.
	Renamed Standard.

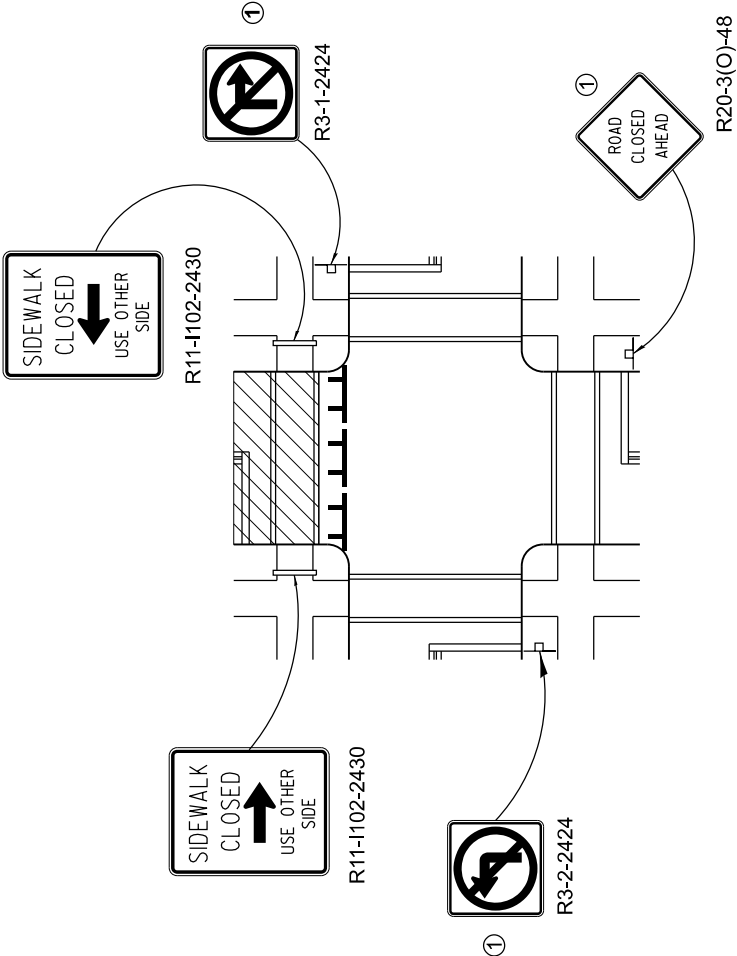
SEWAGE TREATMENT PLANT

(Sheet 1 of 2)

STANDARD 701801-06



CORNER CLOSURE



CROSSWALK CLOSURE

Illinois Department of Transportation

APPROVED January 1, 2016
ENGINEER OF SAFETY ENGINEERING

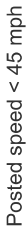
APPROVED January 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

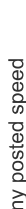
SIDEWALK, CORNER OR
CROSSWALK CLOSURE

(Sheet 2 of 2)

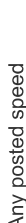
STANDARD 701801-06



CONES

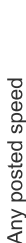


Any posted speed



Any posted speed

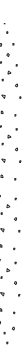
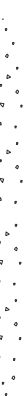
TUBULAR MARKER



Any posted speed



POST MOUNTED



All heights shown shall be measured above the pavement surface.

All dimensions are in inches (millimeters) unless otherwise shown.



Illinois Department of Transportation

APPROVED _____ January 1, _____ 2025

ENGINEER OF SAFETY PROG. AND ENGINEERING

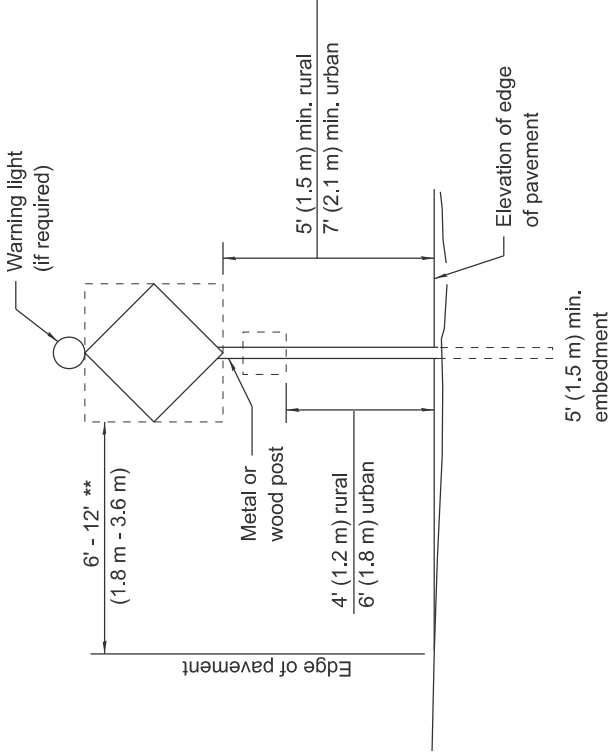
S.E. Hume

APPROVED _____ January 1, _____ 2025

ENGINEER OF DESIGN AND ENVIRONMENT

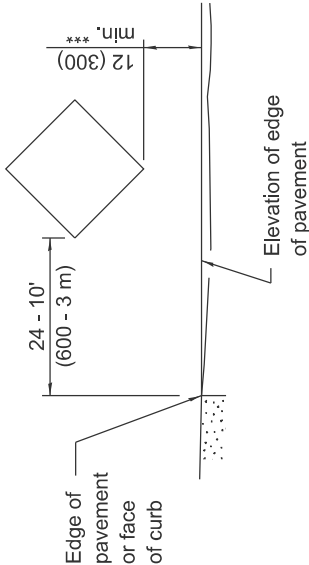
Robt. C. Cline

ISSUED 1-1-13



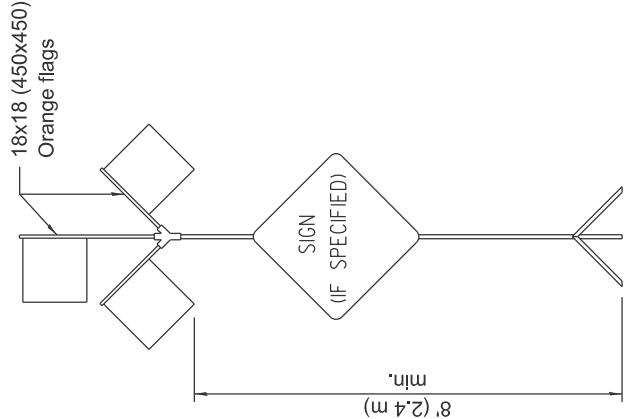
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.

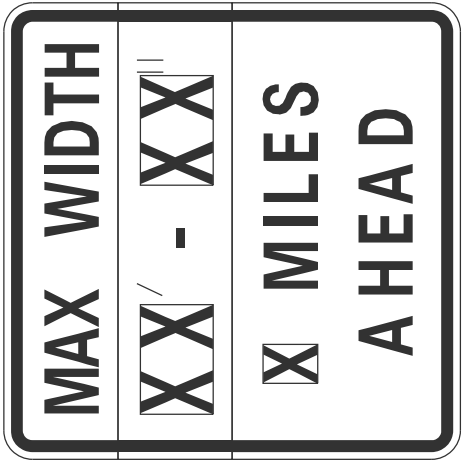


SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



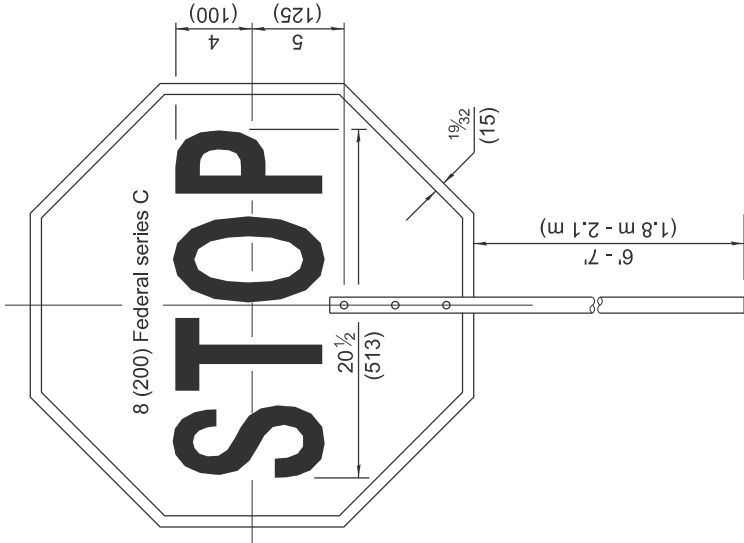
HIGH LEVEL WARNING DEVICE



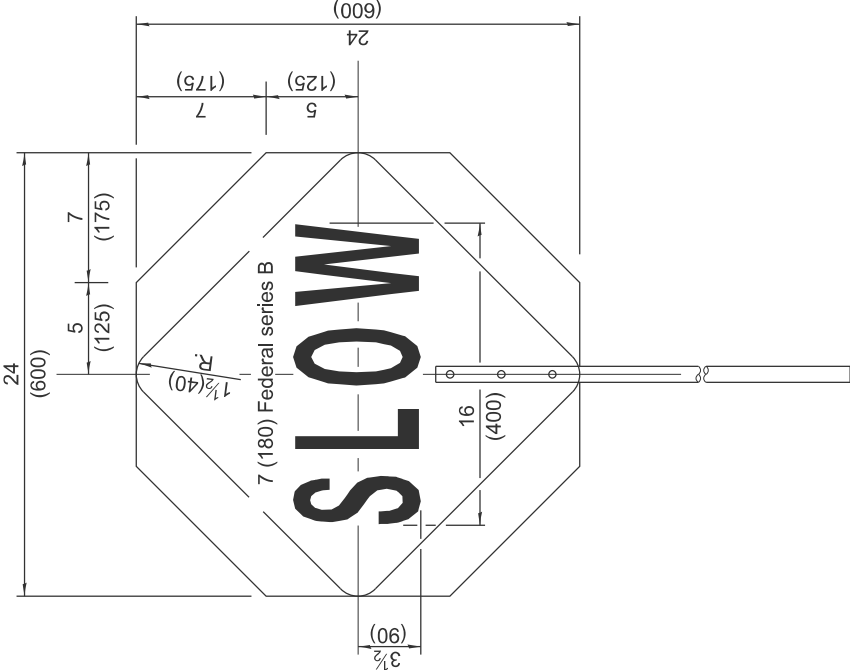
W12-I103-4848

WIDTH RESTRICTION SIGN

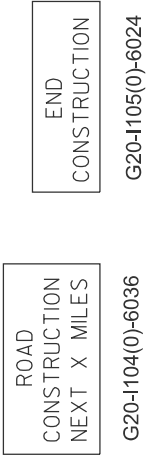
XX'-XX" width and X miles are variable.



FRONT SIDE



REVERSE SIDE



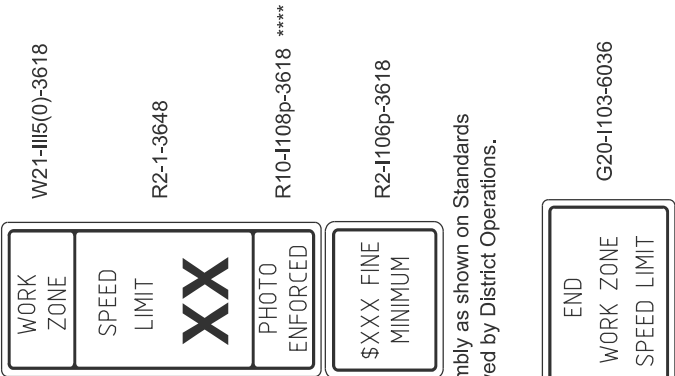
This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



Sign assembly as shown on Standards or as allowed by District Operations.

This sign shall be used when the above sign assembly is used.

HIGHWAY CONSTRUCTION

SPEED ZONE SIGNS

**** R10-I108p shall only be used along roadways under the jurisdiction of the State.



APPROVED January 1, 2025
ENGINEER OF SAFETY PROG. AND ENGINEERING
APPROVED January 1, 2025
ENGINEER OF DESIGN AND ENVIRONMENT

FLAGGER TRAFFIC CONTROL SIGN

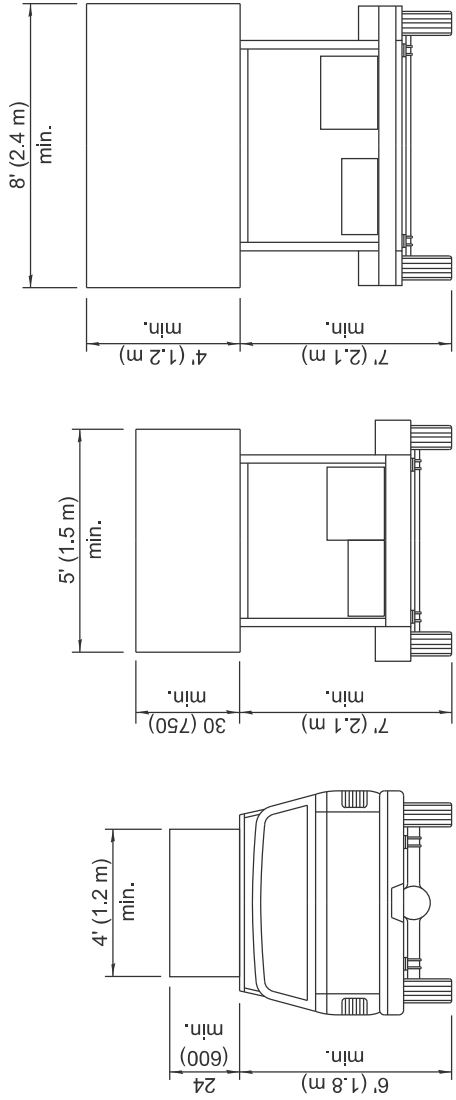
FRONT SIDE

REVERSE SIDE

TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-10

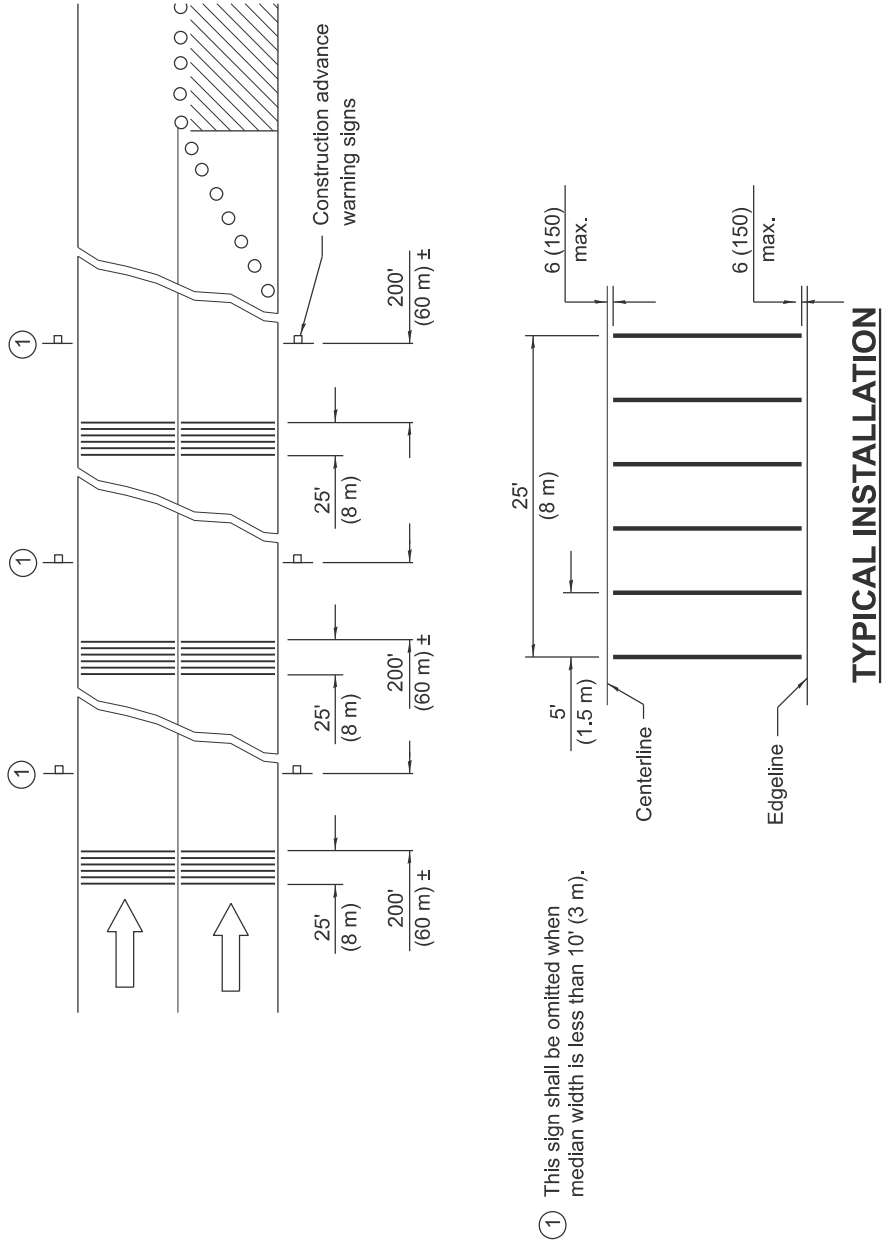


TYPE A
ROOF
MOUNTED

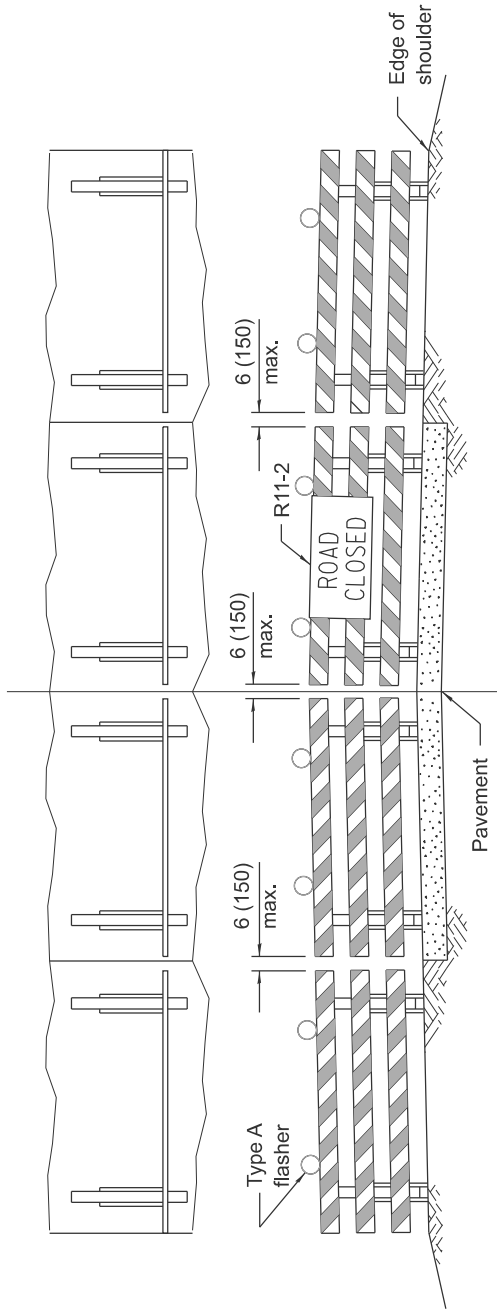
TYPE B
ROOF OR TRAILER
MOUNTED

TYPE C
TRAILER
MOUNTED

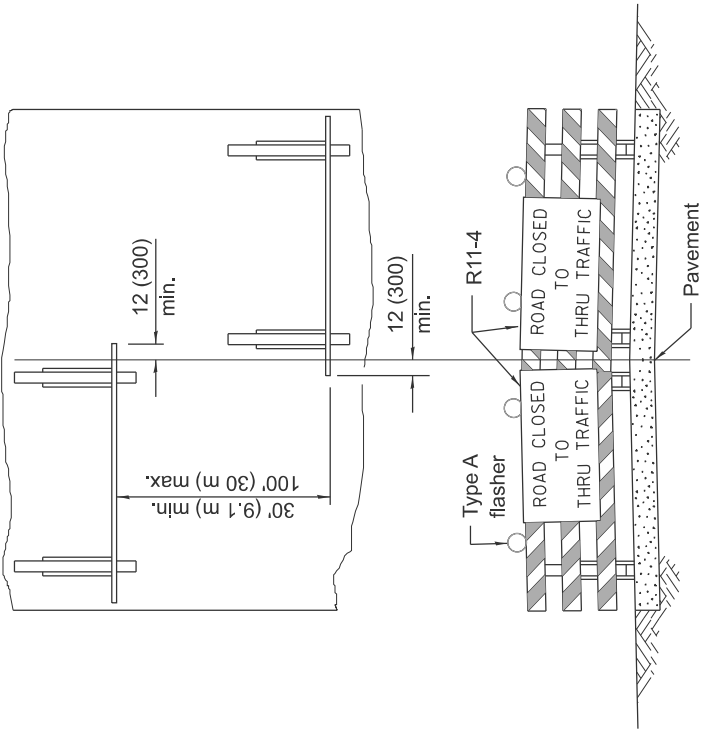
ARROW BOARDS



TEMPORARY RUMBLE STRIPS



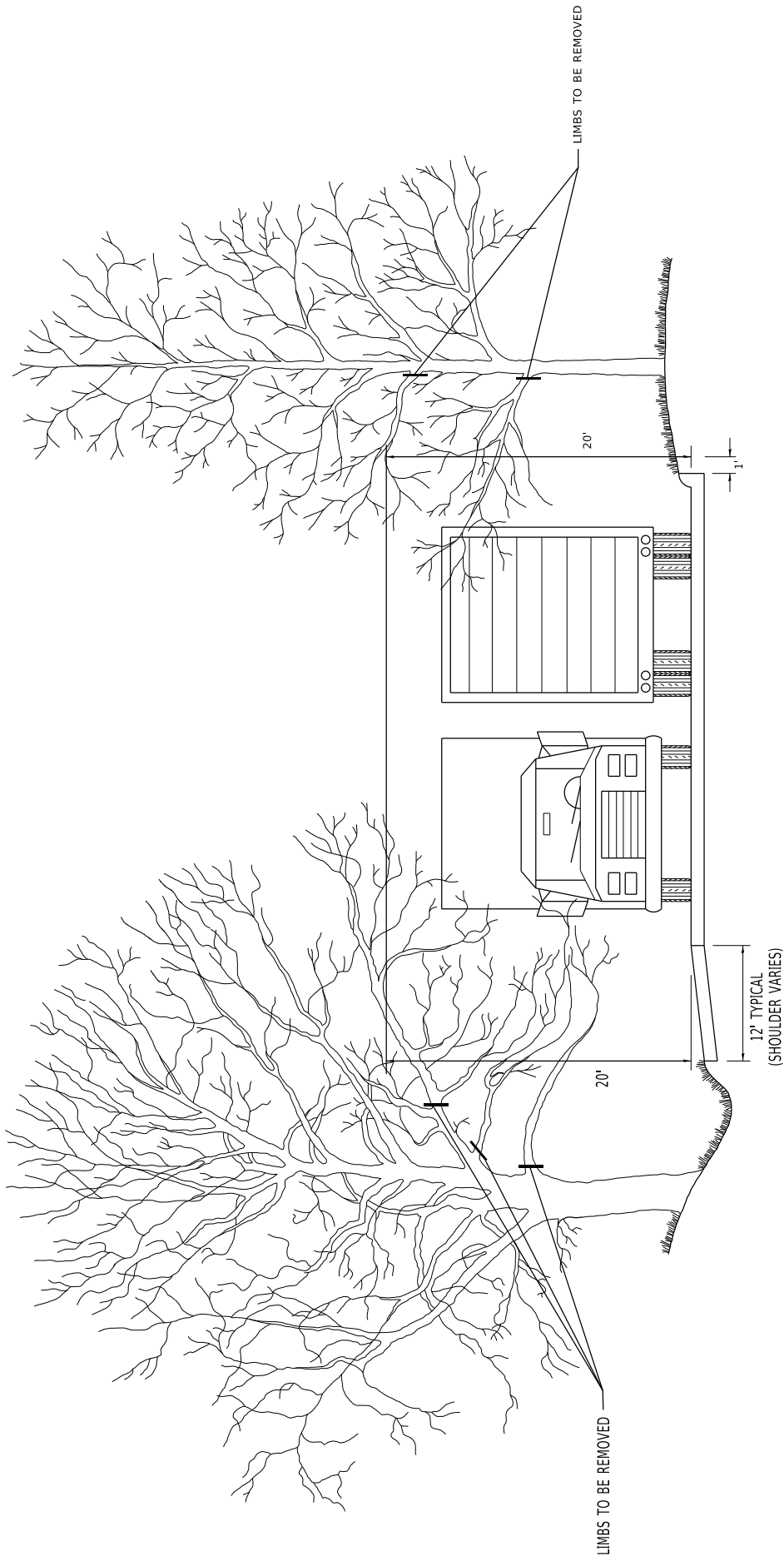
ROAD CLOSED TO ALL TRAFFIC
ReflectORIZED striping may be omitted on the back side of the barricades.



ROAD CLOSED TO THRU TRAFFIC
ReflectORIZED striping shall appear on both sides of the barricades.

TYPICAL APPLICATIONS OF
TYPE III BARRICADES CLOSING A ROAD

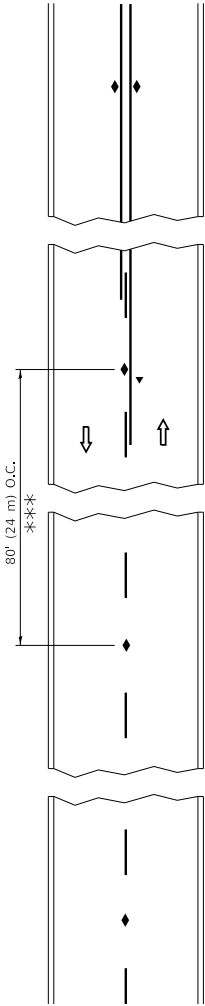
If a Type III barricade with an attached sign panel which meets NCHRP 350 or MASH is not available, the sign may be mounted on an NCHRP 350 or MASH temporary sign support directly in front of the barricade.

[illegible]



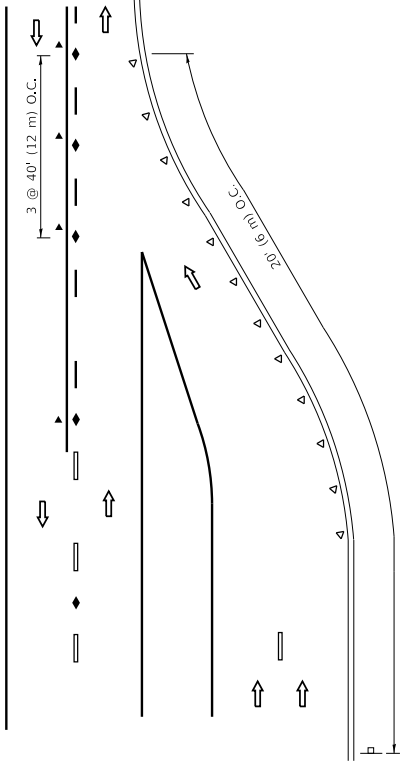
- All dimensions are in inches (millimeters) unless otherwise shown.

[illegible]



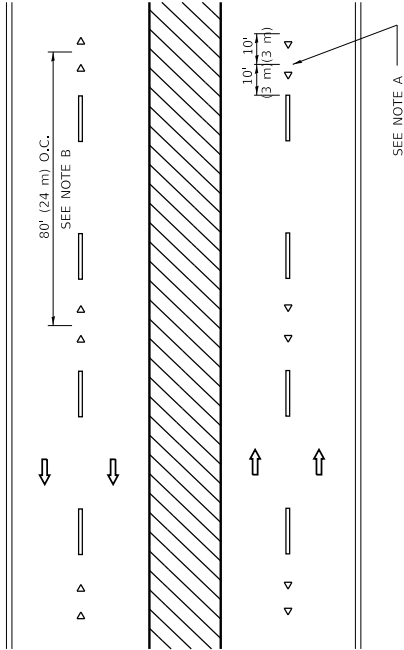
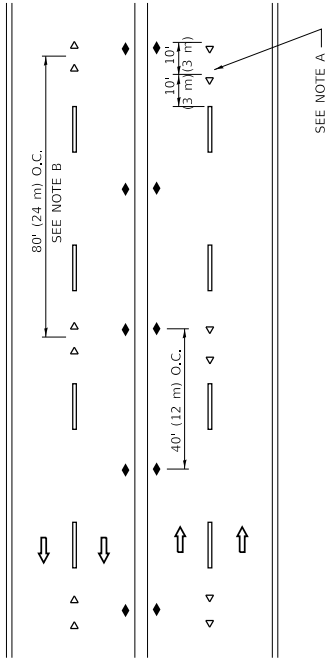
*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

SEE FIGURE 3B-14 MUTCD



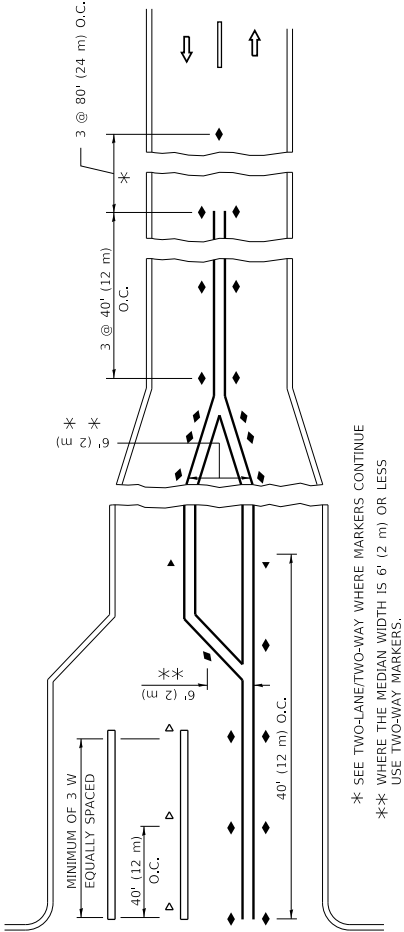
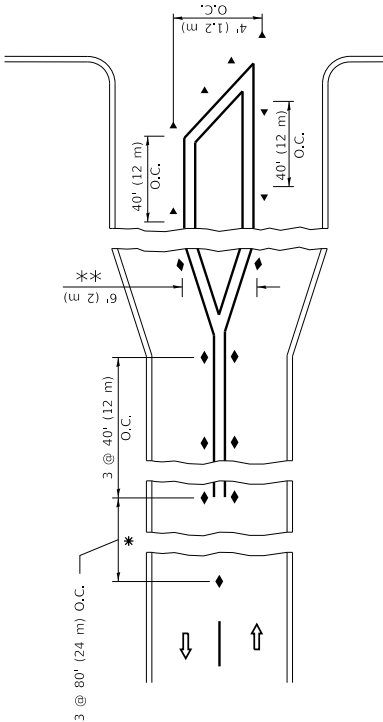
TWO-LANE/TWO-WAY

LANE REDUCTION TRANSITION

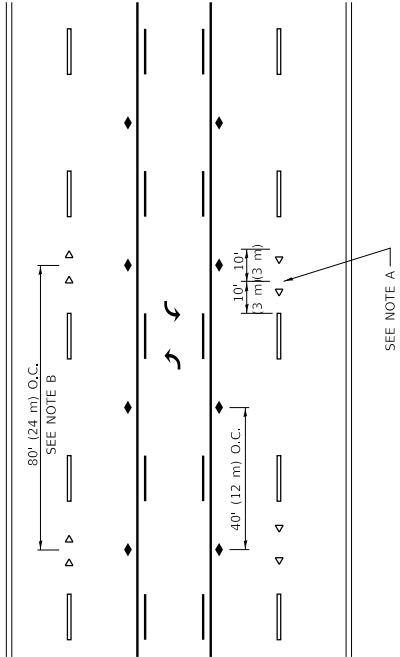


MULTI-LANE/UNDIVIDED

MULTI-LANE/DIVIDED



TURN LANES



TWO-WAY LEFT TURN

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

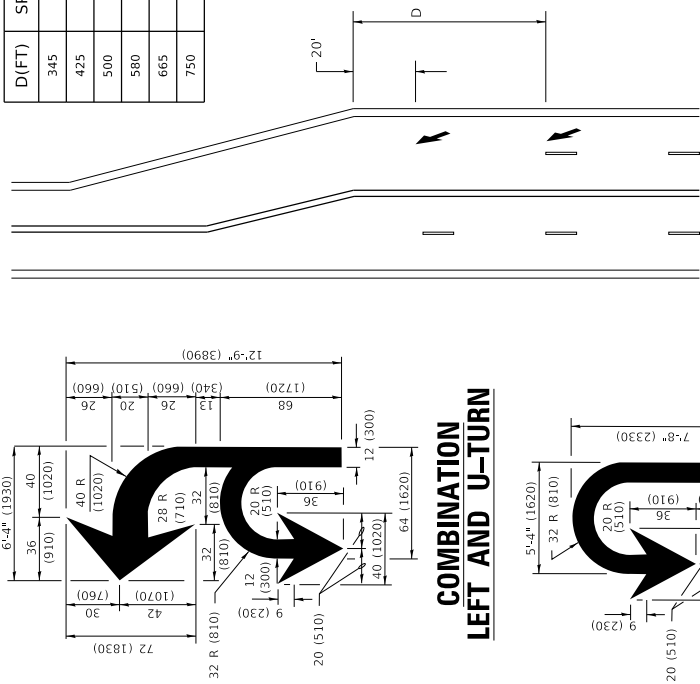
DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

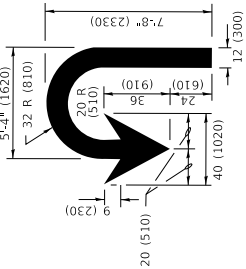
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = fcdemj	DESIGNED -	STATE OF ILLINOIS				TYPICAL APPLICATIONS			
		DEPARTMENT OF TRANSPORTATION				RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
		REVISD	- T. RAMMACHER 03-12-99	REVISD	- T. RAMMACHER 01-06-00	SCALE: NONE	SHEET 1	OF 1	SHEETS STA. TO STA.
PLOT SCALE = 50.0000" = 1 in.	CHECKED -	REVISD	- C. JUCIUS 09-09-09	REVISD	- C. JUCIUS 07-01-13	ILLINOIS FED. AID PROJECT			
PLOT DATE = 3/4/2019	DATE -					CONTRACT NO.			
						COUNTY		TOTAL SHEETS	
						SECTION		TOTAL SHEET NO.	
						F.A. RTE.		1C-11	

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

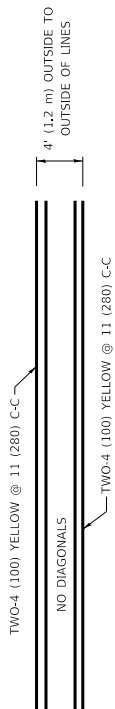
***LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.**

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID	YELLOW	5 1/4 (140) C-C FROM SKIP-DASH CENTERLINE 1 1/4 (35) C-C FROM SKIP-DASH CENTERLINE OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/4 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4" (112 mm) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POSITION, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO-WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6.1 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES, 8" (203 mm) (1.8 m) SPACING, 16 (400) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 "R"=3.6 SQ. FT. (0.33 m ² EACH "Y"=54.0 SQ. FT. (5.0 m ² EACH
SHOULDER DIAGONALS (REQUIRED FOR SHOULDER ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (23 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

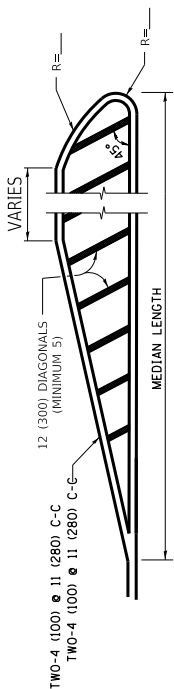
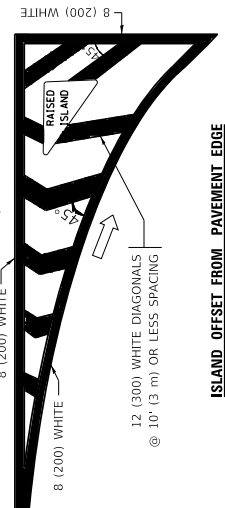
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

DISTRICT ONE									
TYPICAL PAVEMENT MARKINGS									
SCALE: NONE	SHEET 1	OF 2	SHEETS	STA.	TO STA.				
					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					TC-13				CONTRACT NO.
					ILLINOIS				FED. AID PROJECT



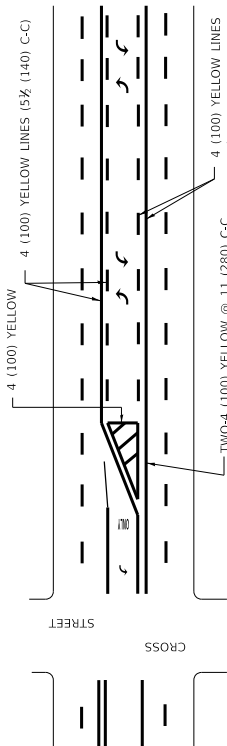
4' (1.2 m) WIDE MEDIANS ONLY



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

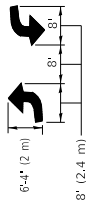
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE



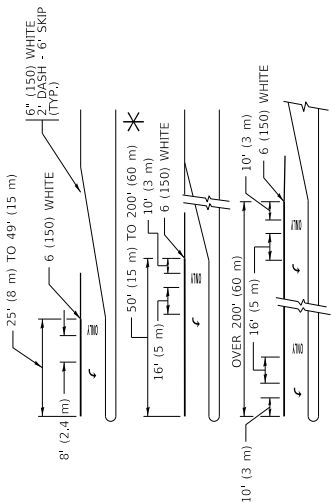
(5½ (140) C-C)

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING



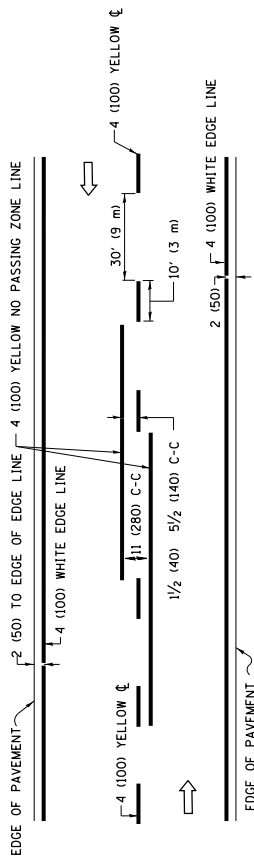
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.

AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

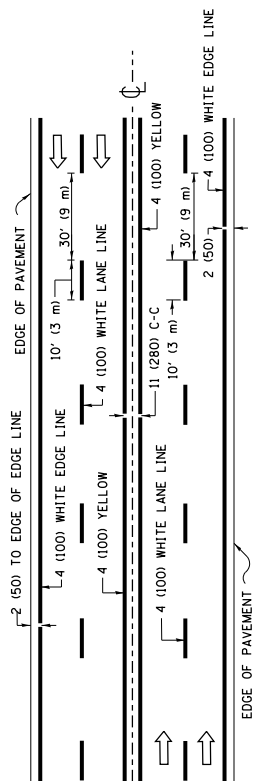
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

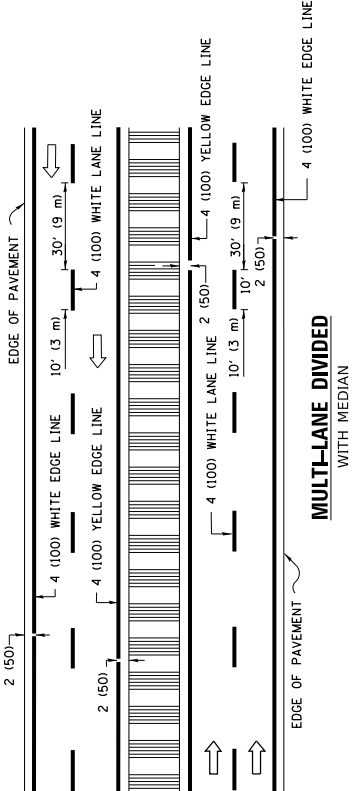
TYPICAL TURN LANE MARKING



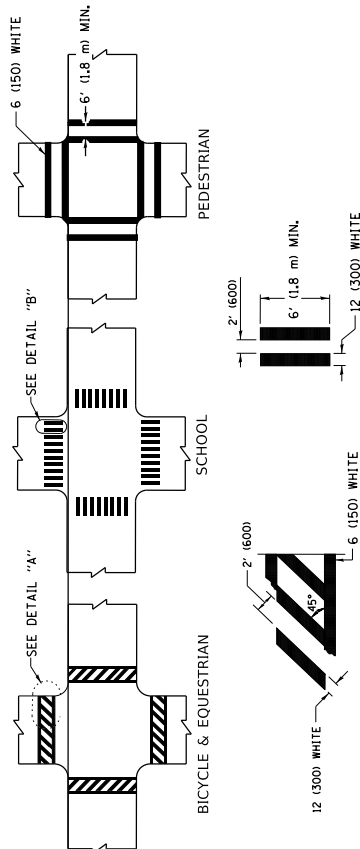
2-LANE ROADWAY



MULTI-LANE UNDIVIDED



TYPICAL LANE AND EDGE LINE MARKING



DETAIL "A"

DETAIL "B"

TYPICAL CROSSWALK MARKING

*** MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES**

USER NAME	=	footernj	DESIGNED	-	EVERS
			DRAWN	-	
PLOT SCALE	=	50.0000' * / in.	CHECKED	-	
PLOT DATE	=	3/4/2019	DATE	-	03-19-90

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE

TYPICAL PAVEMENT MARKINGS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
TC-13			
		CONTRACT NO.	
		ILLINOIS	FED. AID PROJECT

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

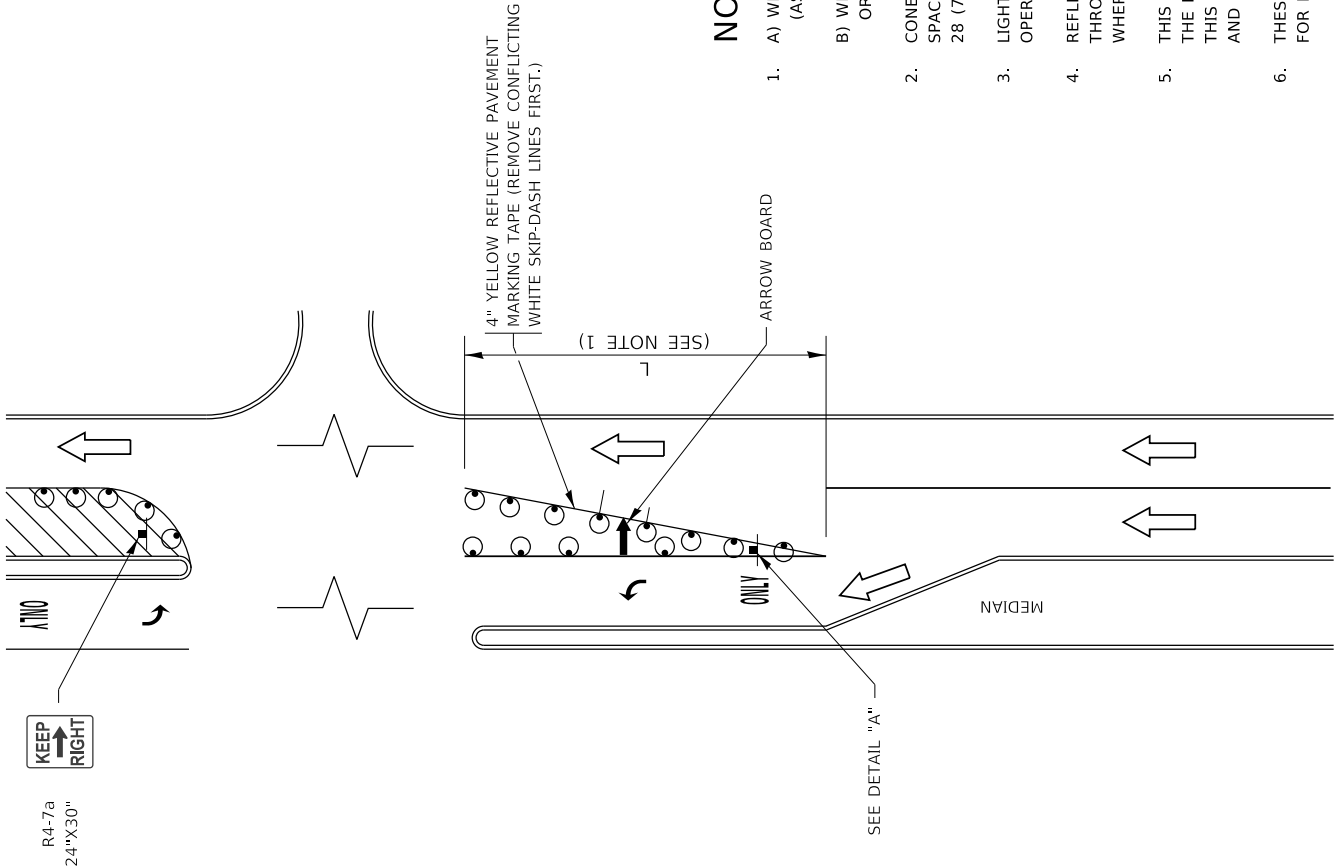
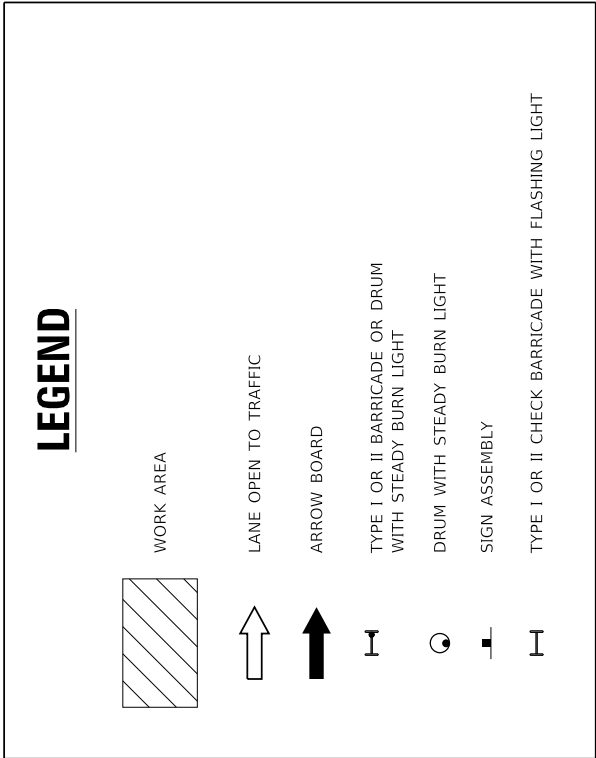


FIGURE 1

NOTES:

1. A) WHEN "L" IS $\leq$ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

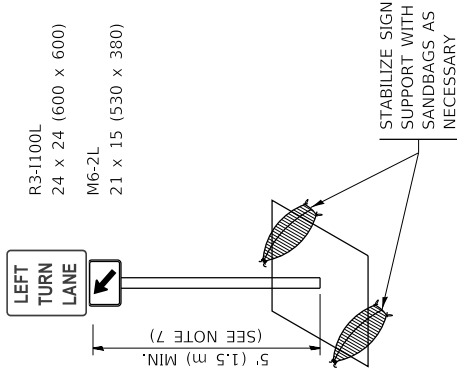
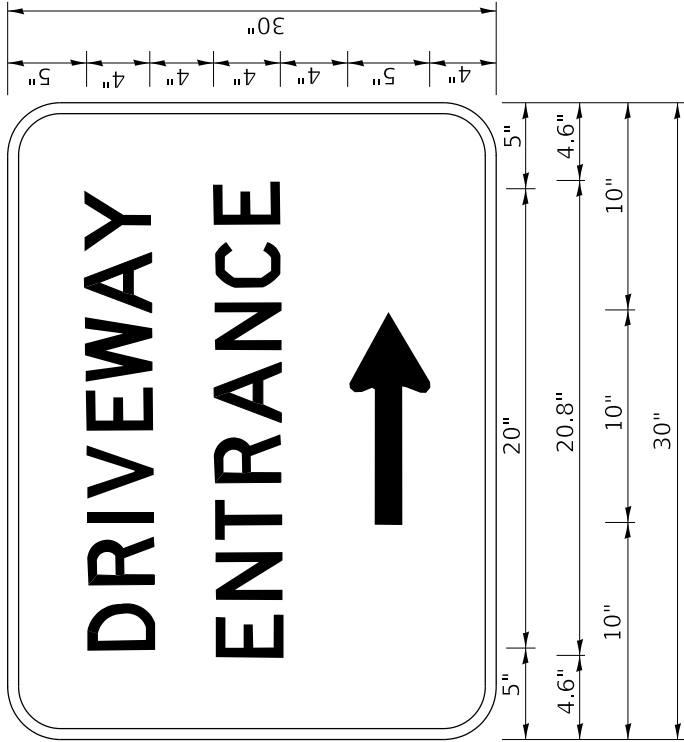


FIGURE 2

DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

		USER NAME = f0dcmj		DESIGNED - T. RAMMACHER 09-08-94		REVISED - R. BORO 09-14-09		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)										F.A. RTE.		SECTION		COUNTY		TOTAL SHEETS		SHEET NO.									
				DRAWN - A. HOUSEH 11-07-95		REVISED - A. SCHUETZE 07-01-13																																							
				CHECKED - A. HOUSEH 10-12-96		REVISED - A. SCHUETZE 09-15-16																																							
				PLOT SCALE = 50.0000" = 1 in.																																									
				PLOT DATE = 3/4/2019		DATE - T. RAMMACHER 01-06-00		REVISED -																																					



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D: "ENTRANCE" D: STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

		USER NAME = lreysa		DESIGNED -	REVISED -	C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										DRIVEWAY ENTRANCE SIGNING										F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.	SHEET NO.								
				DRAWN -	REVISED -																																		
				CHECKED -	REVISED -																																		
				DATE -	REVISED -																																		
				PLOT SCALE = 50.0000' / in.																																			
				PLOT DATE = 8/6/2021																																			
					SCALE: NONE					SHEET 1 OF 1					SHEETS STA.					TO STA.					TC-26					ILLINOIS FED. AID PROJECT					CONTRACT NO.				

TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM		EXISTING		PROPOSED	
CONTROLLER CABINET					
COMMUNICATION CABINET					
MASTER CONTROLLER					
MASTER MASTER CONTROLLER					
UNINTERRUPTABLE POWER SUPPLY					
SERVICE INSTALLATION -(P) POLE MOUNTED					
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED					
TELEPHONE CONNECTION					
STEEL MAST ARM ASSEMBLY AND POLE					
ALUMINUM MAST ARM ASSEMBLY AND POLE					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE					
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY					
WOOD POLE					
GUY WIRE					
SIGNAL HEAD					
SIGNAL HEAD WITH BACKPLATE					
SIGNAL HEAD OPTICALLY PROGRAMMED					
FLASHER INSTALLATION -(FS) SOLAR POWERED					
PEDESTRIAN SIGNAL HEAD					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON					
RADAR DETECTION SENSOR					
VIDEO DETECTION CAMERA					
RADAR/VIDEO DETECTION ZONE					
PAN, TILT, ZOOM (PTZ) CAMERA					
EMERGENCY VEHICLE LIGHT DETECTOR					
CONFIRMATION BEACON					
WIRELESS INTERCONNECT					
WIRELESS INTERCONNECT RADIO REPEATER					

ITEM		EXISTING		PROPOSED	
HANDHOLE -SQUARE -ROUND					
HEAVY DUTY HANDHOLE -SQUARE -ROUND					
DOUBLE HANDHOLE					
JUNCTION BOX					
RAILROAD CANTILEVER MAST ARM					
RAILROAD FLASHING SIGNAL					
RAILROAD CROSSING GATE					
RAILROAD CROSSBUCK					
RAILROAD CONTROLLER CABINET					
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL					
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE					
SYSTEM ITEM	S		SP		
INTERSECTION ITEM	I		IP		
REMOVE ITEM			R		
RELOCATE ITEM			RL		
ABANDON ITEM			A		
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			RCF		
MAST ARM POLE AND FOUNDATION TO BE REMOVED			RMF		
SIGNAL POST AND FOUNDATION TO BE REMOVED			RPF		
DETECTOR LOOP, TYPE I					
PREFORMED DETECTOR LOOP					
SAMPLING (SYSTEM) DETECTOR					
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
QUEUE AND SAMPLING (SYSTEM) DETECTOR					
WIRELESS DETECTOR SENSOR					
WIRELESS ACCESS POINT					

ITEM		EXISTING		PROPOSED	
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD					
SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE					
PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS					
PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER					
ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"					
NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED	5		5		
GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)					
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C					
COAXIAL CABLE					
VENDOR CABLE					
COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED					
FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F					
GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE					

ITEM		EXISTING		PROPOSED	
HANDHOLE -SQUARE -ROUND					
HEAVY DUTY HANDHOLE -SQUARE -ROUND					
DOUBLE HANDHOLE					
JUNCTION BOX					
RAILROAD CANTILEVER MAST ARM					
RAILROAD FLASHING SIGNAL					
RAILROAD CROSSING GATE					
RAILROAD CROSSBUCK					
RAILROAD CONTROLLER CABINET					
UNDERGROUND CONDUIT (UC), GALVANIZED STEEL					
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE					
SYSTEM ITEM	S		SP		
INTERSECTION ITEM	I		IP		
REMOVE ITEM			R		
RELOCATE ITEM			RL		
ABANDON ITEM			A		
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			RCF		
MAST ARM POLE AND FOUNDATION TO BE REMOVED			RMF		
SIGNAL POST AND FOUNDATION TO BE REMOVED			RPF		
DETECTOR LOOP, TYPE I					
PREFORMED DETECTOR LOOP					
SAMPLING (SYSTEM) DETECTOR					
INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
QUEUE AND SAMPLING (SYSTEM) DETECTOR					
WIRELESS DETECTOR SENSOR					
WIRELESS ACCESS POINT					

ITEM		EXISTING		PROPOSED	
CONTROLLER CABINET					
COMMUNICATION CABINET					
MASTER CONTROLLER					
MASTER MASTER CONTROLLER					
UNINTERRUPTABLE POWER SUPPLY					
SERVICE INSTALLATION -(P) POLE MOUNTED					
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED					
TELEPHONE CONNECTION					
STEEL MAST ARM ASSEMBLY AND POLE					
ALUMINUM MAST ARM ASSEMBLY AND POLE					
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE					
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY					
WOOD POLE					
GUY WIRE					
SIGNAL HEAD					
SIGNAL HEAD WITH BACKPLATE					
SIGNAL HEAD OPTICALLY PROGRAMMED					
FLASHER INSTALLATION -(FS) SOLAR POWERED					
PEDESTRIAN SIGNAL HEAD					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON					
RADAR DETECTION SENSOR					
VIDEO DETECTION CAMERA					
RADAR/VIDEO DETECTION ZONE					
PAN, TILT, ZOOM (PTZ) CAMERA					
EMERGENCY VEHICLE LIGHT DETECTOR					
CONFIRMATION BEACON					
WIRELESS INTERCONNECT					
WIRELESS INTERCONNECT RADIO REPEATER					

ITEM		EXISTING		PROPOSED	
SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD					

LOOP DETECTOR NOTES

1.

EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2.

THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3.

EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4.

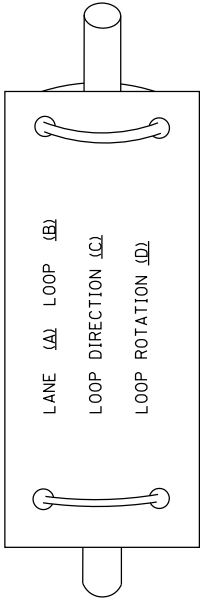
ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5.

IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6.

LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7.

PERFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PERFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG



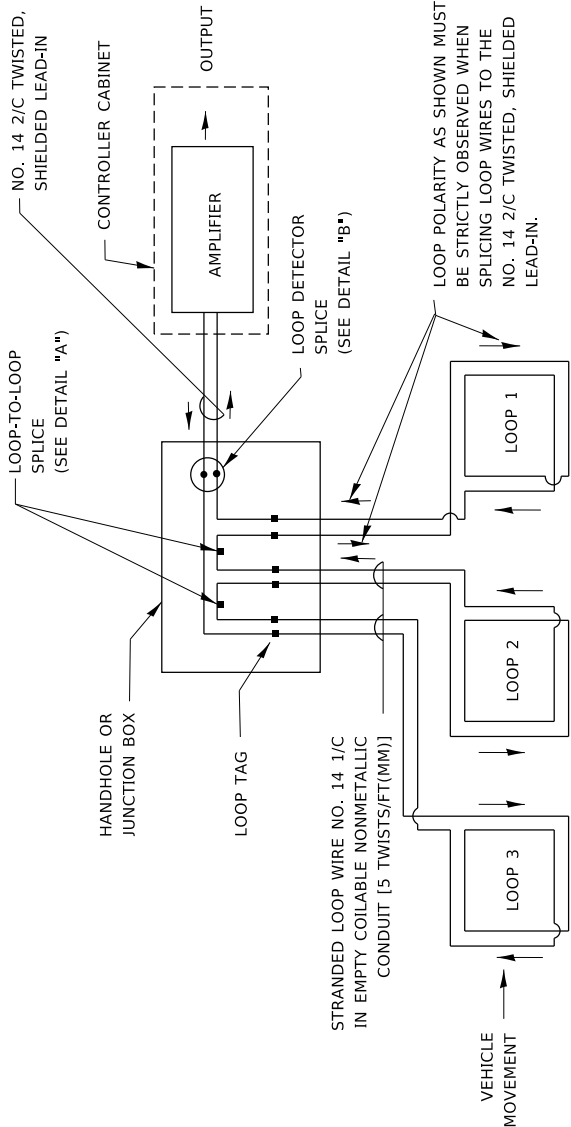
- A.

LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B.

LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C.

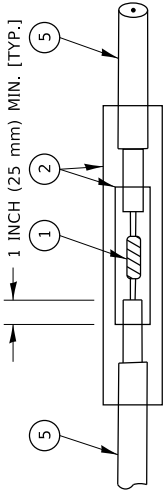
LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D.

LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

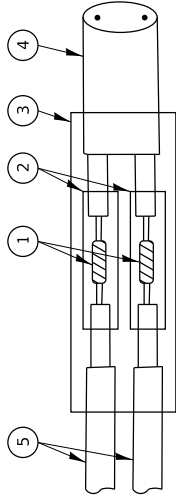


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

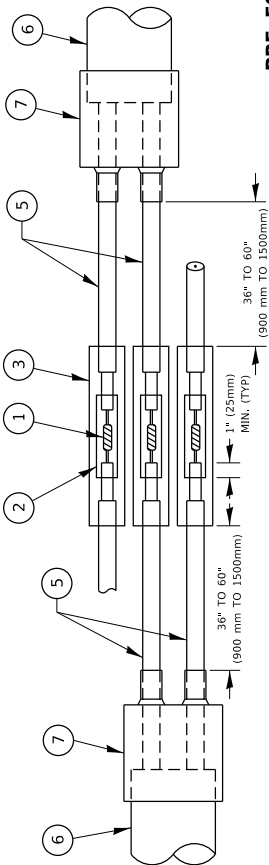


DETAIL "A"
LOOP-TO-LOOP SPLICE

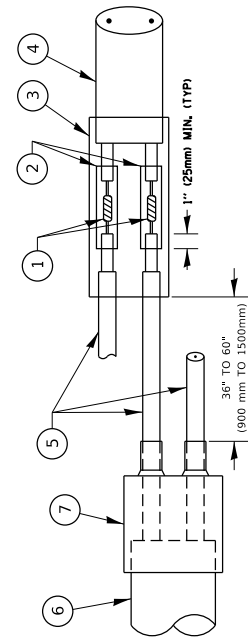


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

- 1

WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2

WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3

WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
- 4

NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5

LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PRE-FORMED LOOP
- 6

XL POLYOLEFIN 2 CONDUCTOR
- 7

BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS										F.A. RTE.		SECTION		COUNTY		TOTAL SHEET SHEETS NO.			
USER NAME = f0c8emj		DESIGNED -		REVISED -																			
		DRAWN -		REVISED -																			
		CHECKED -		REVISED -																			
PLOT SCALE = 50.0000' / in.																							
PLOT DATE = 3/4/2019		DATE -		REVISED -																			

ABC Construction

123 Main St., Chicago, IL 60001

1/1/2017

Pay Estimate #1 – Clarifying Statement

Adam Dow
Civil Engineer II
Village of Buffalo Grove
1650 Leider Lane
Buffalo Grove, IL 60089

ABC Construction has submitted all necessary certified payroll documentation for Pay Estimate #1 through January 1st, 2017. All certified payroll reports have been submitted through the Illinois Department of Labor Certified Payroll portal at illinois.gov/portal. Payrolls included in this period are:

ABC Construction Week Ending 12/24/16 #1

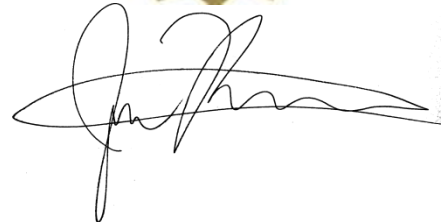
Week Ending 1/1/17 #2

Subcontractor 1 Week Ending 1/1/17 #1

Sincerely,



Joe Smith, Vice President



ABC Construction

123 Main St., Chicago, IL 60001

1/1/2017

Week of January 1st, 2017 – Weekly Update

Adam Dow
Civil Engineer II
Village of Buffalo Grove
1650 Leider Lane
Buffalo Grove, IL 60089

Here is the weekly update for the week of January 1 (weather permitting)
Monday, January 1 – Curb and concrete driveway removal on West side of Lauren and North side of Mohawk. Access made temporary after removal but before pour.

Tuesday, January 2 – Curb and concrete driveway removal continues on North side Mohawk and East side of Gregg. Access made temporary after removal but before pour.

Wednesday, January 3 – Curb poured on West side of Lauren, North Side of Mohawk and East side of Gregg.

Thursday, January 4 – Concrete driveways and sidewalks poured Lauren, Mohawk, and Gregg.

Friday, January 5 – Structure adjustments and any remaining concrete poured.

ABC Construction will pass out notices the day before notifying residents of this closing and will also knock on door the day of removal to avoid trapping any vehicles in. Concrete curb and aprons are scheduled to be poured starting Wednesday January 3 and there will be no access to driveways for seven days. ABC Construction will distribute a notification of this closure and explain your overnight parking options. Thank you for your patience throughout the ongoing project.

All streets in construction zone will be open but you will encounter delays as we load and unload materials. All driveways will be open during construction except for when we are installing water services directly adjacent to a driveway there will be a time where access will be limited. ABC will notify residents and make arrangements to ensure you have use of your vehicles during this time. Thank you again for your patience and understanding during construction.

Sincerely,



Joe Smith, Vice President

ABC Construction

123 Main St., Chicago, IL 60001
123-123-1234

1/1/2017

Driveway Closure Notice

Resident
Buffalo Grove, IL 60089

As part of the road rehabilitation process a portion of curb, and possibly a portion of your driveway apron, will be replaced. Please have all vehicles out of your driveway by 7 AM on;

_____, 2017
(day) (date)

During the rehabilitation process you will lose access to your driveway for a maximum of 7 working days from this date regardless of weather. If access is prior to the 7 days it will be recognizable by the removal of the barricades.

Parking: You may park on either side of the street as long as you are not inhibiting curb/driveway removal, consequential replacement of either or as otherwise noted by law. The Police Department has been notified and overnight parking restrictions have been lifted for all roadways under construction and the adjacent streets. For everyone's safety please do not park on the roadways under construction during working hours (7 AM to 6 PM, Monday thru Friday).

Notice: You have received this notice at least 1 day in advance of construction. As a courtesy, we will knock on your door one time the morning of the removal process. It is still up to you to have your car out by 7AM on the noted day. Thank you in advance for your cooperation.

This notice has been hand-delivered to you by the construction contractor, ABC Construction.

Any questions regarding this notice can be directed to the Project Manager Joe Smith at 321-765-4321.

Sincerely,



Joe Smith, Project Manager

3/31/2014
#100302
7/14/2016
#669681

SAMPLE LETTER OF CREDIT

ABC Bank
123 Main Street
Anywhere, Illinois

Irrevocable Standby Letter of Credit No. 1

Beneficiary:
Village of Buffalo Grove
Fifty Raupp Road
Buffalo Grove, IL 60089-219

Applicant:
Developer Company
Lake Cook Road
Buffalo Grove, IL 60089

Issue Date: October 18, 2012
Expiration Date: October 18, 2012

Gentlemen:

We hereby issue in your favor our Irrevocable Standby Letter of Credit No. 1 ("Letter of Credit") in favor of the Village of Buffalo Grove ("Beneficiary") on behalf of Developer Company ("Applicant"), up to the aggregate amount of \$171,026.94 (One Hundred Seventy One Thousand Two Hundred Fifty Nine and 94/100 United States Dollars) to be available by draft(s) at sight. This credit is issued presentable and payable at the offices of our ABC Bank 123 Main Street, Anywhere, Illinois Attn: Letter of Credit Department and expires at 5:00 PM Chicago time on October 18, 2013 (subject to extension of such expiry date, as provided below).

This Credit is available against presentation of draft(s) drawn at sight on ABC Bank, Anywhere, Illinois. All draft(s) drawn under this Letter of Credit must bear the clause "Drawn under ABC Bank Irrevocable Letter of Credit No. 1 dated October 18, 2012", and be accompanied by this original Letter of Credit (and amendments, if any) and a dated certificate of an authorized official agent of the Village of Buffalo Grove (signed as such), certifying that either:

- 1) Said Letter of Credit is about to expire and has not been extended; or
- 2) Work has not been completed and formally accepted by the President and Board of Trustees of the Village of Buffalo Grove, in accordance with the plans specification, and agreements (including amendments thereof) for the project commonly known as Residential Development on Main Street.

This Letter of Credit shall be automatically extended for an additional period of one year from the present and each future expiration date unless we have notified the Beneficiary in writing, no more than one hundred twenty (120) calendar days nor less than sixty (60) calendar days before such expiration date, that we elect not to extend this Letter of Credit. Our notice of such election shall be sent by certified mail overnight courier service to the above Beneficiary address Attention: Village Clerk. Drafts must be

presented to drawee bank no later than 5:00 PM Central Time on or before the expiry day. Upon receipt by you of our notice of election not to extend this Letter of Credit, you may draw hereunder prior to the then current expiration date of this Letter of Credit.

We hereby agree with you that drafts drawn under and in compliance with the terms of this Letter of Credit shall be honored no later than the close of the third banking day following the presentment. If we fail to honor same, we agree to pay all attorneys fees, court costs and other expenses incurred by the Village of Buffalo Grove in enforcing the terms of this Letter of Credit.

Cancellation of Letter of Credit prior to expiration: This Letter of Credit (and amendments, if any) must be returned to us for cancellation with a statement signed by the Beneficiary stating that the Letter of Credit is no longer required and is being returned to the issuing bank for cancellation.

Jurisdiction of this letter of Credit shall be in the State of Illinois and venue shall be Cook County.

Please address all correspondence regarding this Letter of Credit to the attention of our Letter of Credit Department mentioning our Letter of Credit as it appears above.

Very Truly Yours,

ABC Bank

By:

Its: Vice President

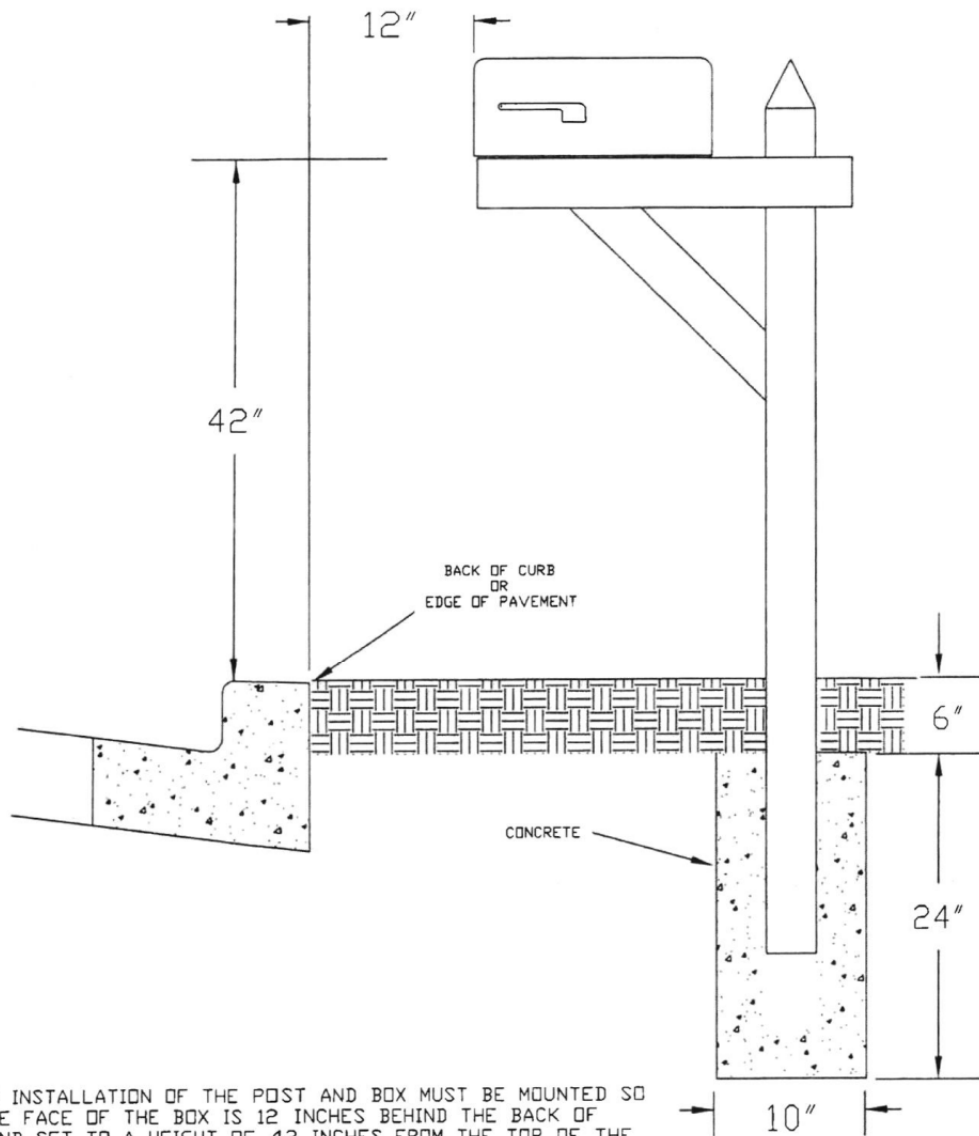
TEMPORARY NO PARKING

TIME:

DATE:

CONSTRUCTION ZONE

Note – Hand written information must be dark, legible and large. Sign shall be printed on more than paper, unless laminated. Must withstand winds and stay on stake/lath.



THE INSTALLATION OF THE POST AND BOX MUST BE MOUNTED SO THE THE FACE OF THE BOX IS 12 INCHES BEHIND THE BACK OF CURB AND SET TO A HEIGHT OF 42 INCHES FROM THE TOP OF THE CURB TO THE BOTTOM OF THE BOX. THE POST SHOULD BE SET IN A HOLE 10 INCHES IN DIAMETER AND 30 INCHES DEEP.

CONCRETE SHOULD BE PLACED AROUND THE POST AND UP TO 6 INCHES FROM THE FINISHED SURFACE.

THE MATERIAL USED FOR THE POST SHALL BE A 4' X 4' PRESSURE TREATED POST OR 1 1/2" I.D. MINIMUM TO A 2" I.D. MAXIMUM STEEL OR ALUMINUM POST, MAXIMUM WALL THICKNESS 0.154'.

MAILBOX
INSTALLATION

G:\ENGINEERING\FORMS\MAILBOXINSTALLATION.DWG

EXHIBIT NO.109 MATERIALS LIST

Date of revision: 1/1/16

Water Distribution Material Specifications:

Water main pipe.	Ductile Iron Pipe. Pipe class thickness—AWWA C150, minimum thickness, Class 52. Pipe—AWWA C151. Pipe lining—AWWA C104. Fittings—AWWA C153. Joints—mechanical and push-on, AWWA C111. Wrap—4 mil. X-Lam conforming to AWWA C105.A21.5 and AWWA C600. No 90 degree bends allowed. All stainless steel trim.
Valves.	American Flow Control, Series 2500 resilient wedge gate valve, All sizes two inch to fourteen inch, counter clockwise to open, AWWA C500., AWWA C504. Clow AWWA C-504 Butterfly Valve for sixteen inch and above. Joint end—mechanical, AWWA C111. All stainless steel trim.
Valve Vault.	All structures shall be monolithically precast with designed openings or mechanically cored in the field and shall have rubber boots conforming to ASTM C-923. Dog house vaults are excluded from these requirements when permitted by Village Engineer. Size: For six and eight inch diameter valves, valve vaults shall have a forty-eight inch inside diameter; for pressure connections and valves ten inches and larger in diameter, valve vaults shall have a sixty inch inside diameter. All valve vault cones must be eccentric centers with valve properly aligned.
Castings.	East Jordan Iron Works 1022 Frame and Lid or Neenah R-1713, embossed per Exhibit No. 401 of Buffalo Grove Numerical Code Title 16.
Fire Hydrant.	Waterous Pacer Model WB67-250, AWWA C502, painted fire engine red above ground, with resilient wedge auxiliary gate valve. Nozzles, two at two and one half inch, one at four and one half inch, with threads conforming to National Standard Specifications. Frangible section (breakaway type) with the break line flange located one inch above finished grade. Joint end, six inch, mechanical or push-on. All stainless steel trim. Auxiliary boxes and hydrants shall be a direct flange-to-flange connection.
Fire hydrant extension	Fire hydrant extensions and parts to be manufactured by Waterous only. All stainless steel trim.
Hydrant Valve Box \ Valve boxes	Hydrant Valve Box Tyler 664-S. Lid embossed "WATER." Rubber valve box stabilizer required.
Service Pipe.	Copper tube, two inches and smaller, ASTM B88, Type K (1" minimum). Ductile iron, larger than two inches. Conform to Water main section above. Service upgrade for existing water main requires a stainless steel tap repair clamp. Ford model FS1-CC, minimum length 15" long.
Corporation Stop.	Mueller H15000, 1" minimum, AWWA C800. 1" Direct tap or 1 1/4" and larger shall use Ford FC202 stainless steel band, epoxy coated saddle.
Curb Stop.	Copper service, Mueller H-15154. Ductile iron service, Resilient wedge counter clockwise to open, AWWA C500. Joint end—mechanical, AWWA C111.
Curb box	Copper service, Mueller H-10302. Ductile iron service, conform to Hydrant Valve Box section above. Ductile iron service, 6" and larger, conform to Valve Vault section above.
Copper to Copper Fittings	Mueller Company Model #H-15400. An all flared coupling is required, no sweat joint or compression allowed.
Pressure Connections	Ford FTSS style tapping sleeve. American Flow Control Series 2500 tapping valve four inch minimum. All stainless steel trim.

Sanitary Sewer Material Specifications:

Sewer and Service Connection Pipe	Reinforced concrete pipe—circular reinforcement, minimum Class 3, ASTM C76, with epoxy lining. PVC solid wall (SDR-26H) pipe—ASTM D-3034 for six to fifteen inches in diameter.
Sewer and Service Connection Pipe Joints.	Reinforced concrete pipe—ASTM C443. PVC solid wall (SDR-26H) pipe—ASTM D-3212 for six to eighteen inches in diameter.
Sewer and Service Connection Pipe Fittings	PVC solid wall (SDR-26H) pipe—ASTM D3034 for six to fifteen inches in diameter.
Casing Pipes.	Steel pipe—ASTM A120, three-eighths inch minimum thickness.
Manholes	Size: For sewer eighteen inch diameter or less, manhole shall have a forty-eight inch inside diameter. For sewer twenty-one inch to thirty-six inch diameter, manhole shall have a sixty inch inside diameter. For sewer greater than thirty-six inch diameter, manhole shall have an offset riser pipe of forty-eight inch inside diameter. All structures shall be monolithically precast including bases and invert flow lines.
Castings.	East Jordan Iron Works Frame 1022 or Neenah R-1713, with self-sealing lid and recessed pick hole, embossed per Exhibit No. 301 of Buffalo Grove Numerical Code Title 16.

Storm Sewer System Material Specifications:

Structures.	All structures shall be precast with designed openings or mechanically cored in the field.
Castings.	Closed Lid, East Jordan Iron Works 1022 or Neenah R-1713, embossed per Exhibit No. 201., Open Lid, East Jordan Iron Works 1022 or Neenah R-1713, Standard B4.12 or any other barrier curb, Type 11— East Jordan Iron Works 7210 or Neenah 3281-A or Neenah 3170 on existing structures where required. Box height must be 6" minimum with 5' tapers to match curb height., Depressed barrier curb, Type M3 Grate, Yard inlet, Type 8— East Jordan Iron Works 6517 or Neenah R-4340-B
Sewer Pipe Joints.	Reinforced concrete pipe—ASTM C443 or C361. PVC solid wall (SDR-26H) pipe—ASTM D-3212 for six to eighteen inches in diameter.
Sump pump service connection pipe/sub surface drain pipe.	4" PVC solid wall sewer pipe SDR-35. Blind connections must be cored in storm sewer and pipe connection shall be made with a rubber boot and stainless steel band. Sump pump per Exhibit No. 202 of Buffalo Grove Numerical Code Title 16 and underdrain per Exhibit No. 203.

Material Specifications For All Utilities:

Bedding	CA-11, Class B or better. All stone shall be crushed; rounded aggregate will not be permitted. The stone shall be compacted to 90% modified proctor density as required by ASTM D1557 or AASHTO T-180. Recycled materials permitted from IDOT approved sources meeting the correct gradations.
Trench Backfill	CA-11, Class B or better. This item shall meet the requirements of Class B CA-11, per the IDOT Standard Specifications for Road and Bridge Construction. All stone shall be crushed; rounded aggregate will not be permitted. The stone shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180. Jetting of trenches is not permitted. Recycled materials permitted from IDOT approved sources meeting the correct gradations.
Adjustments	No more than two precast concrete adjusting rings with six inch maximum height adjustment shall be allowed, minimum one 2" ring installed on new structures. All adjustment rings less than 2" shall be HDPE rings. Only one HDPE may be used within the precast tolerances. Only precast concrete or

	HDPE adjustment rings permitted. ½” x 3.5” mastic to be used between all frames, rings and structures. Mortar around rings, but none between. Bed of mortar can be used on cone or flat top of structure.
--	---

Miscellaneous Material Specifications:

Detectable Warnings	East Jordan Iron Works or Neenah cast iron detectable warnings. Color shall be brick red.
Concrete	In accordance with IDOT Standard Specifications for Road and Bridge Construction
Asphalt	In accordance with IDOT Standard Specifications for Road and Bridge Construction and Section 16.50.070 of the Village of Buffalo Grove Municipal Code

* The Village Engineer shall have the authority to approve the use of alternative materials than those specifically required by Exhibit 109 in the manner provided for in Title 16 of the Village of Buffalo Grove Numerical Code. The Village Engineer may approve alternative materials that are not specifically required by this title when:

1. The materials or their components required by this title are no longer manufactured and available for purchase; and
2. The alternative materials are generally consistent with requirements of this title, including but not limited to those standards relating to production, composition, safety and aesthetics.

Testing Specifications:

(In addition to the requirements of IDOT’s Standard Specifications for Road and Bridge Construction or the Standard Specifications for Water and Sewer Construction in Illinois)

Storm Sewer	Cleaning and televising, with reporting, as directed by the Village Engineer
Sanitary Sewer	Cleaning and televising, with reporting, as directed by the Village Engineer

*When conflicting information exists between the plans specifications and this exhibit number 109 the information listed in exhibit number 109 shall govern. All castings on a project or development shall come from a single manufacturer.

Pavement Core Report
2025 Mill Creek Street and Utility Project
Village of Buffalo Grove

Based on the Villages database of streets and the Pavement Investigation dated August 30, 2024, the following is a list of streets and pavement sections:

Street	From/To	HMA Total (in.)	Granular Base (in.)
Greenridge Road	Mill Creek Drive to Crofton Lane	10.5" to 12.25"	0"
Crofton Lane	Greenridge Road to East Dundee Road	9.25" to 10.5"	0" to 9"

An IEPA LPC-662 or LPC-663 will be provided by the Owner to the Contractor prior to construction commencement.



Office: 847-870-0544
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us@soilandmaterialconsultants.com
www.soilandmaterialconsultants.com

August 30, 2024
File No. 28134

Mr. Kyle E. Johnson, P.E., CFM
Village of Buffalo Grove
51 Raupp Boulevard
Buffalo Grove, IL 60089

Re: Pavement Investigation
Mill Creek Water & Street
Improvements – Contract 1
Buffalo Grove, Illinois

Dear Mr. Johnson:

We are submitting our report for the pavement investigation completed along various streets for the above mentioned project in the Village of Buffalo Grove, Illinois.

The investigation was requested to determine current pavement and subsurface conditions at select locations. The findings of the field investigation and the results of laboratory testing are intended to assist in the roadway reconstruction. We understand the proposed improvements consist of a water main replacement along with rehabilitation or reconstruction of the pavement.

SCOPE OF THE INVESTIGATION

The field investigation included obtaining 9 pavement cores and 3 borings at the locations requested and as indicated on the enclosed location sketch. The locations were established using field taping methods and accuracy.

The pavement sections were cored to determine material types and thicknesses at each location. We auger drilled the (3) borings to depths of 7.5 feet below existing surface elevations. Soil samples were obtained using a split barrel sampler advanced utilizing an automatic SPT hammer. Soil profiles were determined in the field and soil samples returned to our laboratory for additional testing including determination of moisture content. Cohesive soils obtained by split barrel sampling were tested further to determine dry unit weight and unconfined compressive strength.

The results of all field determinations and laboratory testing are included in summary with this report.

RESULTS OF THE INVESTIGATION

Enclosed are core and boring logs indicating pavement and soil conditions encountered. The summary table below indicates pavement materials and thicknesses encountered at each location. Please refer to the individual core logs and pictures for more detailed information.

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORINGS • SITE INVESTIGATIONS • PAVEMENT INVESTIGATIONS • GEOTECHNICAL ENGINEERING
TESTING OF • SOIL • ASPHALT • CONCRETE • MORTAR • STEEL

<u>Core</u>	<u>HMA Surface (in.)</u>	<u>HMA Binder (in.)</u>	<u>HMA BBC (in.)</u>	<u>Total HMA (in.)</u>	<u>Granular Base (in.)</u>	<u>Total Pavement (in.)</u>
<u>Greenridge Road</u>						
1	2.5*	1.25	8.25	12.0	---	12.0
2	2.5*	1.25	6.75	10.5	---	10.5
3	3.0*	1.75	7.5	12.25	---	12.25
4	2.5*	1.0	7.0	10.5	---	10.5
<u>Crofton Lane</u>						
5	3.75*	---	5.5	9.25	9.0	18.25
6	2.5*	0.75	7.25	10.5	---	10.5
7	2.75*	1.25	5.25	9.25	---	9.25
<u>Mill Creek Drive</u>						
8	4.0*	1.75	---	5.75	7.5//	13.25
9	8.0*	---	---	8.0	6.5//	14.5

BOLD indicates a failure in the bituminous concrete
 * indicates the presence of a reflective crack control fabric
 // indicates the granular base was contaminated with soil

Underlying natural soil conditions encountered include the presence of cohesive soils. These include tough to hard clay/silt mixtures with lesser portions of sand and gravel. Non-cohesive soils were also encountered as indicated at borings B-6 and B-9. These are classified as medium dense silt/sand/clay and silt mixtures. Cobbles and boulders may be present within the site soils at any elevation, although none were encountered while drilling.

WATER MAIN

The water main can be supported on the undisturbed natural soils located below all pavement materials, low strength soils and other unsuitable conditions which may be encountered. The soils encountered below pavement materials are suitable for supporting the new water main. When the pipe is placed in an open cut excavation, a granular bedding, CA07/CA11, should be used to support the pipe on the undisturbed natural soils.

In the unimproved areas, the trench excavation can be backfilled with the suitable non-organic soils from the trench. In the improved areas, such as under pavements and sidewalks, the trench should be backfilled with compacted crushed granular fill (CA06). The backfill should be placed in lifts not to exceed 12.0 inches when uncompacted. Each lift should exceed the minimum compaction requirement prior to the placement of the next lift. We would recommend a minimum of 95% compaction based on the modified Proctor test, ASTM D-1557, be achieved in the pavement and sidewalk areas and a minimum of 85% in the unimproved areas.

PAVEMENT

The pavement cores indicate the total thickness of bituminous concrete ranged from 5.75 inches to 12.25 inches with granular base only present along Mill Creek Drive and at the very north end of Crofton Lane. Additionally, the granular base along Mill Creek Drive was noted to be contaminated with soil. Due to the presence of a thick asphalt section and the lack of suitable

granular base we believe the design engineer could consider a mill and overlay or total reconstruction form of pavement rehabilitation.

The mill and overlay would include milling of the existing bituminous surface as needed for overlaying. Deeper milling may be needed in areas where failures were noted in the original bituminous materials. Areas with extensive pavement deterioration will require full depth patching with HMA binder. A leveling binder should then be placed as needed. The use of a reflective crack control fabric can also be considered. The new overlay should be a minimum of 1.5 inches of HMA N50 Surface.

A complete reconstruction of the pavement would include the removal of all the existing pavement materials. The subgrade would then be excavated to the design elevation, compacted and proof rolled. Any areas of unstable soils will most likely require removal and replacement with large crushed aggregate, possibly in conjunction with the use of an appropriate geotextile fabric. Underdrains could be installed in order to assist with drainage and alleviate potential frost heave. The new aggregate base would then be placed and compacted followed by the placement of the designed thickness of HMA binder and surface.

The above treatments are presented in the anticipated order of service life, with the least life first and the longest life last. The surface treatment solutions with lower initial costs can be effective but typically the pavement will have reduced life and higher maintenance costs prior to failure.

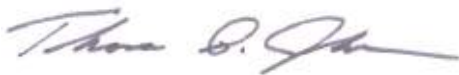
CONCLUSION

This report has been prepared to assist in initial determination of existing pavement sections. Locally varying conditions may be present between test locations.

If you should have any questions concerning the enclosed information, please feel free to contact our office at any time.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.



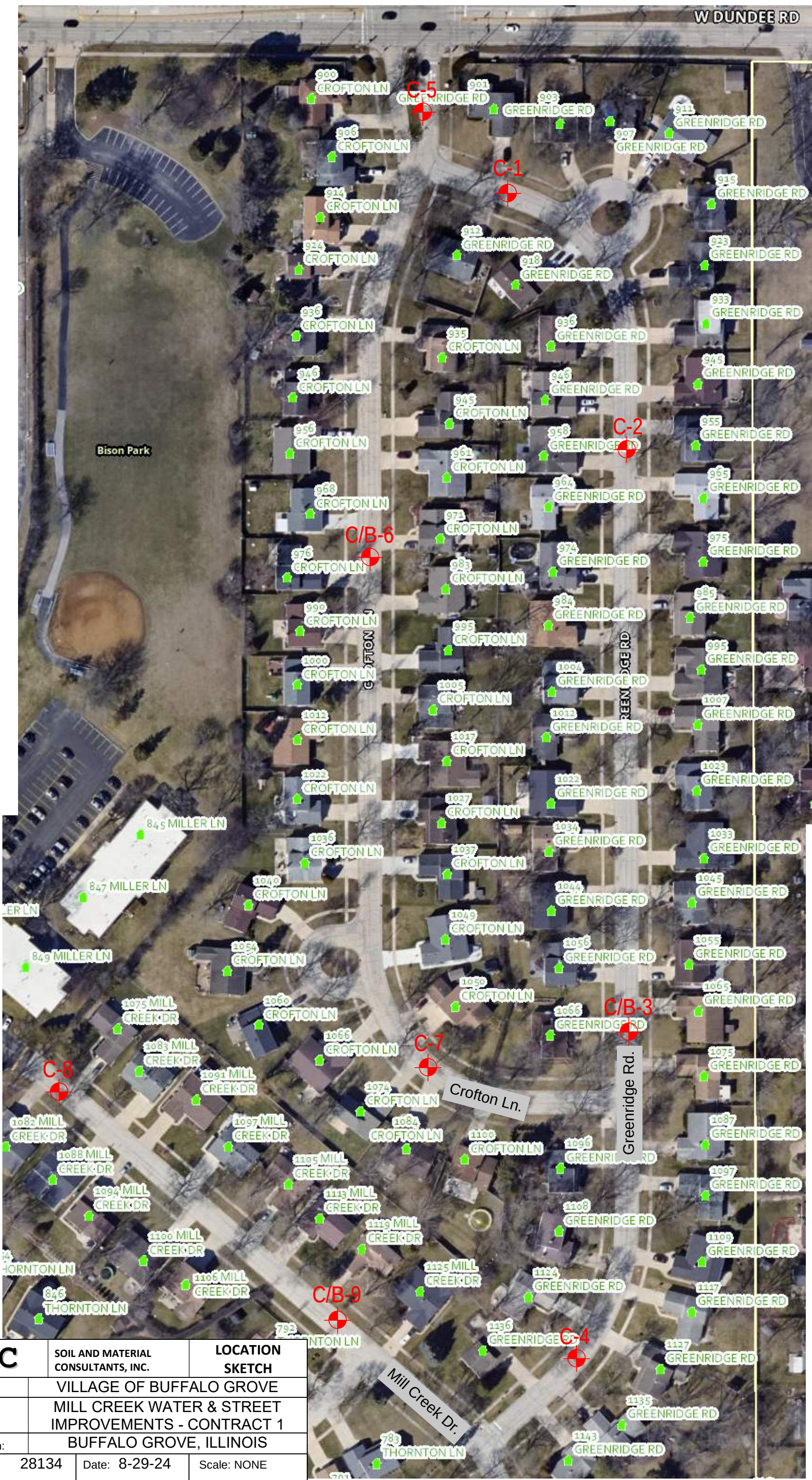
Thomas P. Johnson, P.E.
President



David Rak, E.I.T.
Project Engineer

TPJ:ek:dr
Enc.

cc: Mr. Lucas Deferville – Gewalt Hamilton Associates



SMC		LOCATION SKETCH	
SOIL AND MATERIAL CONSULTANTS, INC.		VILLAGE OF BUFFALO GROVE	
Client:		MILL CREEK WATER & STREET IMPROVEMENTS - CONTRACT 1	
Project:		BUFFALO GROVE, ILLINOIS	
Location:			
File No.	28134	Date:	8-29-24
Scale:		NONE	

CORE LOG

Client: Village of Buffalo Grove Reference Mill Creek Water & Street Improv. Contract 1 - Buffalo Grove, IL

Core No: 1 Work Done By: DB & AD

Location of Core: 912 Greenridge Rd., 6' S. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - surface Petromat	Full
2 ---	1-0" Bituminous concrete - surface	Full
3 ---	1-1/4" Bituminous concrete - binder	Full
4 ---	no bond	
5 ---	3-0" BBC	Full
6 ---		
7 ---		
8 ---		
9 ---	5-1/4" BBC	Full
10 ---		
11 ---		
12 ---	Total 12-0"	
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



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Date: 8/22/24

File No.: 28134

CORE LOG

Client: Village of Buffalo Grove Reference: Mill Creek Water & Street Improv.
Contract 1 - Buffalo Grove, IL

Core No: 2 Work Done By: DB & AD

Location of Core: 955 Greenridge Rd., 8' E. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---	1-1/4" Bituminous concrete - surface	Full
1 ---	Petromat	
2 ---	1-1/4" Bituminous concrete - surface	Full
3 ---	1-1/4" Bituminous concrete - binder	Full
4 ---	no bond	
5 ---		
6 ---	3-1/4" BBC	Full
7 ---	no bond	
8 ---		
9 ---	3-1/2" BBC	Full
10 ---		
11 ---	Total 10-1/2"	
12 ---	E.O.C.	
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



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Date: 8/22/24

File No.: 28134

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CORE LOG

Client: Village of Buffalo Grove Reference: Mill Creek Water & Street Improv.
Contract 1 - Buffalo Grove, IL

Core No: 3 Work Done By: DB & AD

Location of Core: 1066 Greeridge Rd., 8 ' W. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - surface	Full
2 ---	Petromat	
3 ---	1-1/4" Bituminous concrete - surface	Full
4 ---	1-3/4" Bituminous concrete - binder	Full
5 ---	no bond	
6 ---		
7 ---	2-3/4" BBC	Full
8 ---	no bond	
9 ---		
10 ---	4-3/4" BBC	Full
11 ---		
12 ---	Total 12-1/4"	
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/22/24

File No.: 28134

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference: Mill Creek Water & Street Improv.
Contract 1 - Buffalo Grove, IL

Core No: 4 Work Done By: DB & AD

Location of Core: 1127 Greenridge Rd., 7' E. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---	1-1/2" Bituminous concrete - surface	Full
1 ---	Petromat	
2 ---	1-0" Bituminous concrete - surface	Full
3 ---	1-0" Bituminous concrete - binder no bond	Full
4 ---		
5 ---	2-1/4" BBC	Full
6 ---		
7 ---		
8 ---	4-3/4" BBC	Full
9 ---		
10 ---		
11 ---	Total 10-1/2"	
12 ---	E.O.C.	
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



Date: 8/22/24

File No.: 28134

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference: Mill Creek Water & Street Improv.
Contract 1 - Buffalo Grove, IL

Core No: 5 Work Done By: DB & AD

Location of Core: 900 Crofton Ln. 5' E. of Island

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - surface	Full
2 ---	Petromat	
3 ---	2-0" Bituminous concrete - surface	Full
4 ---		
5 ---		
6 ---	5-1/2" BBC (failed)	Partial
7 ---		
8 ---		
9 ---		
10 ---		
11 ---		
12 ---		
13 ---		
14 ---	9-0" Crushed & uncrushed gravel with fines	Partial
15 ---		
16 ---		
17 ---		
18 ---	Total 18-1/4"	
19 ---	E.O.C.	
20 ---		

Date: 8/22/24

File No.: 28134

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Mill Creek Water & Street Improv. Contract 1 - Buffalo Grove, IL

Core No: 6 Work Done By: DB & AD

Location of Core: 976 Crofton Ln. 8' W. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - surface	Full
2 ---	Petromat	
3 ---	1-0" Bituminous concrete - surface	Full
4 ---	0-3/4" Bituminous concrete - binder	Full
5 ---	no bond	
6 ---	2-3/4" BBC	Full
7 ---		
8 ---	4-1/2" BBC	Full
9 ---		
10 ---		
11 ---	Total 10-1/2"	
12 ---	E.O.C.	
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/22/24

File No.: 28134

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference: Mill Creek Water & Street Improv.
Contract 1 - Buffalo Grove, IL

Core No: 7 Work Done By: DB & AD

Location of Core: 1050 Crofton Ln., 6' N. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/4" Bituminous concrete - surface Petromat	Full
2 ---	1-1/2" Bituminous concrete - surface	Full
3 ---		
4 ---	1-1/4" Bituminous concrete - binder no bond	Full
5 ---		
6 ---		
7 ---	5-1/4" BBC	Full
8 ---		
9 ---		
10 ---	E.O.C. Total 9-1/4"	
11 ---		
12 ---		
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/22/24

File No.: 281344

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference: Mill Creek Water & Street Improv.
Contract 1 - Buffalo Grove, IL

Core No: 8 Work Done By: DB & AD

Location of Core: 1082 Mill Creek Dr., 7' S. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - surface	Full
2 ---	Petromat	
3 ---	1-1/2" Bituminous concrete - surface	Full
4 ---	0-3/4" Bituminous concrete - surface	Full
5 ---	1-3/4" Bituminous concrete - binder	Full
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	7-1/2" Sand & uncrushed gravel, contaminated with soil	Partial
11 ---		
12 ---		
13 ---	Total 13-1/4"	
14 ---	E.O.C.	
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/22/24

File No.: 28134

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference: Mill Creek Water & Street Improv.
Contract 1 - Buffalo Grove, IL

Core No: 9 Work Done By: DB & AD

Location of Core: 1119 Mill Creek Dr., 8' N. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	2-0" Bituminous concrete - surface	Full
2 ---	Petromat	
3 ---	1-3/4" Bituminous concrete - surface	Full
4 ---	Petromat	
5 ---		
6 ---	4-1/4" Bituminous concrete - surface	Full
7 ---		
8 ---		
9 ---		
10 ---		
11 ---		
12 ---	6-1/2" Sand & uncrushed gravel, contaminated with soil	Partial
13 ---		
14 ---		
15 ---	Total 14-1/2"	
16 ---	E.O.C.	
17 ---		
18 ---		
19 ---		
20 ---		

SOIL BORING LOG 3

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 28134 Date Drilled: 8/29/24

Reference: Mill Creek Water & Street Improv.
Contract 1 - Buffalo Grove, IL

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	☐ unconfined compressive strength, tons/sq. ft. ☒ penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, % 10 20 30 40			
	Elevation Existing Surface								
	(See Core Log)								
1	Brown clay, some silt, trace sand & gravel, damp, hard								
2									
3									
4									
5		10	17.3	115.6	7.7	X	Δ		1.1 O
6									
7									
8									
9		17	18.7	114.1	7.8	X	Δ		1.6 O
10									
11									
12									
13	End of Boring	16	19.6	112.2	6.9	X	Δ		6.9 O
14									
15									
16									

Water encountered at dry feet during drilling operations (W.D.)
 Water recorded at dry feet on completion of drilling operations (A.D.)
 Water recorded at dry feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG 6

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 28134 Date Drilled: 8/29/24

Reference: Mill Creek Water & Street Improv.
Contract 1 - Buffalo Grove, IL

Comments:

depth, ft.	Equipment: ☐ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content Δ	dry unit w lbs./cu.ft. γ	unconfine compress O	1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. Δ moisture content, %			
						10	20	30	40
Elevation	Existing Surface								
	(See Core Log)								
1	Brown clay,some silt,trace sand & gravel,damp,hard								
2									
3		10	19.1	110.4	4.4	×	Δ		5.4
4	Brown silt,some sand & clay,trace gravel,damp,medium dense								
5									
6		11	13.3			×	Δ		
7	Brown clay,some silt,trace sand & gravel,damp,hard								
8									
9									
10									
	End of Boring	26	19.2	112.2	5.7		Δ	×	5.7

Water encountered at feet during drilling operations (W.D.)
 Water recorded at dry feet on completion of drilling operations (A.D.)
 Water recorded at dry feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG 9

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 28134 Date Drilled: 8/29/24

Reference: Mill Creek Water & Street Improv.
Contract 1 - Buffalo Grove, IL

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, % 10 20 30 40			
	Elevation Existing Surface								
	(See Core Log)								
1									
2	Brown silt, some clay & sand, trace gravel, damp medium dense								
3		13	12.9				X		
4									
5	Brown clay & silt, trace sand, damp tough	7	18.8	114.4	1.4		X ● ○ Δ		
6	Brown silt, trace fine sand, damp, medium dense								
7									
8	End of Boring	10	18.5				X Δ		
9									
10									

Water encountered at feet during drilling operations (W.D.)
 Water recorded at dry feet on completion of drilling operations (A.D.)
 Water recorded at dry feet hours after completion of drilling operations (A.D.)

GENERAL NOTES

SAMPLE CLASSIFICATION

Soil sample classification is based on the Unified Soil Classification System, the Standard Practice for Description and Identification Soils (Visual-Manual Procedure), ASTM D-2488, the Standard Test Method for Classification of Soils for Engineering Purposes, ASTM D-2487 (when applicable), and the modifiers noted below.

CONSISTENCY OF COHESIVE SOILS

Term	Qu-tons./sq. ft.	N (unreliable)
Very soft	0.00 – 0.25	0 – 2
Soft	0.26 – 0.49	3 – 4
Stiff	0.50 – 0.99	5 – 8
Tough	1.00 – 1.99	9 – 15
Very Tough	2.00 – 3.99	16 – 30
Hard	4.00 – 7.99	30 +
Very Hard	8.00 +	

RELATIVE DENSITY OF GRANULAR SOILS

Term	N – blows/foot
Very Loose	0 – 4
Loose	5 – 9
Medium Dense	10 – 29
Dense	30 – 49
Very Dense	50 +

IDENTIFICATION AND TERMINOLOGY

Term	Size Range
Boulder	over 8 in.
Cobble	3 in. to 8 in.
Gravel - coarse	1 in. to 3 in.
- medium	3/8 in. to 1 in.
- fine	#4 sieve to 3/8 in.
Sand - coarse	#10 sieve to #4 sieve
- medium	#40 sieve to #10 sieve
- fine	#200 sieve to #40 sieve
Silt	0.002 mm to #200 sieve
Clay	smaller than 0.002mm

Modifying Term Percent by Weight

Trace	1 – 10
Little	11 – 20
Some	21 – 35
And	36 – 50

Moisture Content

Dry
Damp
Very Damp
Saturated

DRILLING, SAMPLING & SOIL PROPERTY SYMBOLS

CF	- Continuous Flight Auger
HS	- Hollow Stem Auger
HA	- Hand Auger
RD	- Rotary Drilling
AX	- Rock Core, 1-3/16 in. diameter
BX	- Rock Core, 1-5/8 in. diameter
NX	- Rock Core, 2-1/8 in. diameter
S	- Sample Number
T	- Type of Sample
J	- Jar
AS	- Auger Sample
SS	- Split Spoon (2 in. O.D. with 1-3/8 in. I.D.)
ST	- Shelby Tube (2 in. O.D. w/ith 1-7/8 in. I. D.)
R	- Recovery Length, in.
B	- Blows/6 in. interval, Standard Penetration Test (SPT)
N	- Blows/foot to drive 2 in. O.D. split-spoon sampler with 140 lb. hammer falling 30 in., (STP)
Pen.	- Pocket Penetrometer readings, tons/sq.ft.
W	- Water Content, % dry weight
Uw	- Dry Unit Weight of soil, lbs./cu.ft.
Qu	- Unconfined Compressive Strength, tons/sq.ft.
Str	- % Strain at Qu.
WL	- Water Level
WD	- While Drilling
AD	- After Drilling
DCI	- Dry Cave-in.
WCI	- Wet Cave-in.
LL	- Liquid Limit, %
PL	- Plastic Limit, %
PI	- Plasticity Index (LL-PL)
LI	- Liquidity Index [(W-PL)/PI]



28134
C-1



28134
C-2



28134
C-3



28134
C-4





28134
C-9



Illinois Environmental Protection Agency

1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Source Site Certification by Owner or Operator for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-662

Revised in accordance with 35 Ill. Adm. Code 1100, as
amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by source site owners and operators to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1) (A), that soil (i) was removed from a site that is not potentially impacted property and is presumed to be uncontaminated soil and (ii) is within a pH range of 6.25 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: Mill Creek Water & Street Improvements Office Phone Number, if available: _____

Physical Site Location (Street, Road): Various Locations - See attached figures

City: Buffalo Grove State: IL Zip Code: 60089 County: Cook

Township: Wheeling

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 42.13643 Longitude: - 87.97483

(Decimal Degrees)

(-Decimal Degrees)

Identify how the lat/long data were determined:

☐ GPS ☒ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

Approximate Start Date (mm/dd/yyyy): _____ Approximate End Date (mm/dd/yyyy): _____

Estimated Volume of debris (cu. Yd.): _____

II. Owner/Operator Information for Source Site

Site Owner

Name: Village of Buffalo Grove

Street Address: 50 Raupp Boulevard

PO Box: _____

City: Buffalo Grove State: IL

Zip Code: 60089 Phone: (847) 459-2500

Contact: _____

Email, if available: _____

Site Operator

Name: _____

Street Address: _____

PO Box: _____

City: _____ State: _____

Zip Code: _____ Phone: _____

Contact: _____

Email, if available: _____

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed \$50,000 for the violation and an additional civil penalty of not to exceed \$10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Source Site Certification

III. Descriptions of Current and Past Uses of Source Site

Describe the current and past uses of the site and nearby properties.* Attach additional information as needed. The description must take into account, at a minimum, the following for the source site and for nearby property: (1) use of the properties for commercial or industrial purposes; (2) the use, storage or disposal of chemical or petroleum products in individual containers greater than 5 gallons or collectively more than 50 gallons; (3) the current or past presence of any storage tanks (above ground or underground); (4) any waste storage, treatment or disposal at the properties; (5) any reported releases or any environmental cleanup or removal of contaminants; (6) any environmental liens or governmental notification of environmental violations; (7) any contamination in a well that exceeds the Board's groundwater quality standards; (8) the use, storage, or disposal of transformers or capacitors manufactured before 1979; and (9) any fill dirt brought to the properties from an unknown source or site.

Number of pages attached: 60

A limited historical and regulatory review was performed to identify PIPs. A site reconnaissance was performed while sampling to evaluate on-site environmental conditions and potential PIPs. Based on the nature and scope of the project, 4 soil samples were collected for pH testing and screened with a PID. Figure 2 shows the sample locations.

*The description must be sufficient to demonstrate that the source site is not potentially impacted property, thereby allowing the source site owner or operator to provide this certification.

IV. Soil pH Testing Results

Describe the results of soil pH testing showing that the soil pH is within the range of 6.25 to 9.0 and attach any supporting documentation.

Number of pages attached: 40

See attached laboratory results and associated NELAC certification. The soil samples were within the acceptable range of 6.25 to 9.0 units. Figure 2 identifies the project area that is covered by this certification.

V. Source Site Owner, Operator or Authorized Representative's Certification Statement and Signature

In accordance with the Illinois Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I (owner, operator or authorized representataive of source site) certify that this site is not a potentially impacted property and the soil is presumed to be uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. I further certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. Additionally, I certify that I am either the site owner or operator or a duly authorized representative of the site owner or site operator and am authorized to sign this form. Furthermore, I certify that all information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

- ☐ Owner
- ☐ Operator
- ☐ Owner's Duly Authorized Representative
- ☐ Operator's Duly Authorized Representative

Printed Name

Date

Signature



LEGEND

— PROJECT AREA

TRUE NORTH
CONSULTANTS
Trusted Partner. Leading Environmental Solutions.

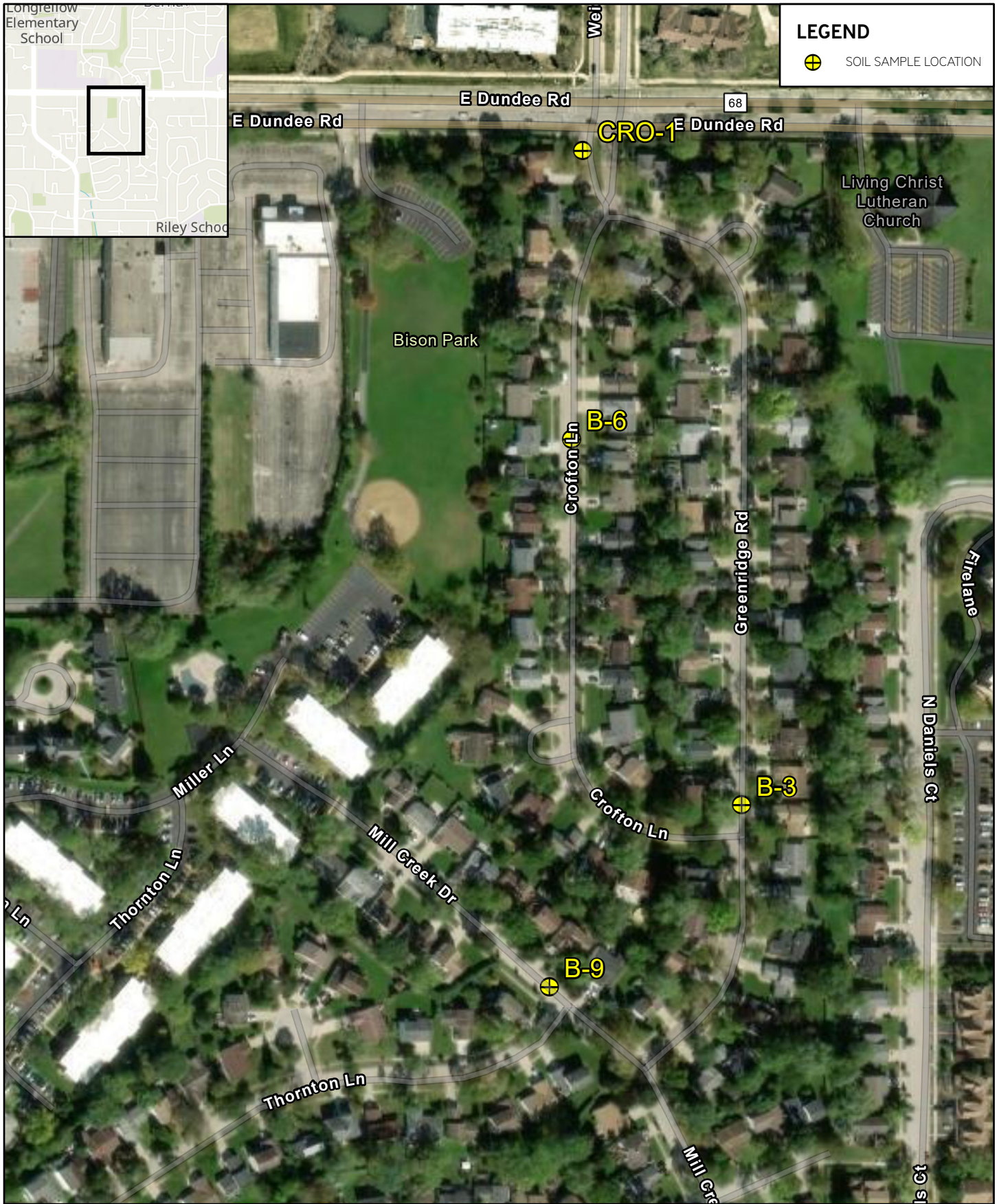
CLIENT
SOIL AND MATERIAL CONSULTANTS, INC.
8 WEST COLLEGE DRIVE, SUITE C
ARLINGTON HEIGHTS, ILLINOIS

SITE
MILL CREEK WATER & STREET IMPROVEMENTS
VARIOUS LOCATIONS
BUFFALO GROVE, ILLINOIS



PROJECT T243668
DATE 9/6/2024
SCALE 1 inch=750 feet

FIGURE
I



CLIENT
 SOIL AND MATERIAL CONSULTANTS, INC.
 8 WEST COLLEGE DRIVE, SUITE C
 ARLINGTON HEIGHTS, ILLINOIS

SITE
 MILL CREEK WATER & STREET IMPROVEMENTS
 VARIOUS LOCATIONS
 BUFFALO GROVE, ILLINOIS



PROJECT	T243668	FIGURE 2
DATE	9/6/2024	
SCALE	1 inch = 300 feet	



Pace Analytical Services, LLC
2231 W. Altorfer Drive
Peoria, IL 61615
(800)752-6651

September 05, 2024

Marjory Bredrup
True North Consultants
1000 East Warrenville Rd. #140
Naperville, IL 60563

RE: Mill Creek-Buffalo Grove, IL

Dear Marjory Bredrup:

Please find enclosed the analytical results for the **1** sample(s) the laboratory received on **8/30/24 2:00 pm** and logged in under work order **HH06112**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

A handwritten signature in black ink, appearing to read 'Diane Billings'.

Diane Billings
Project Manager



AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 9.c. O-2025-19

Ordinance Authorizing a Contract with Berger Contracting for the 2025 Northwood Street & Utility Improvement Project

Contacts

Liaison: Trustee Stein

Staff: Kyle Johnson

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve an Ordinance authorizing the execution of a Contract with Berger Contracting for the 2025 Northwood Street & Utility Improvement Project, pending final review by the Village Attorney.

Summary

Please see the attached memo.

Strategic Alignment

Guiding Principle

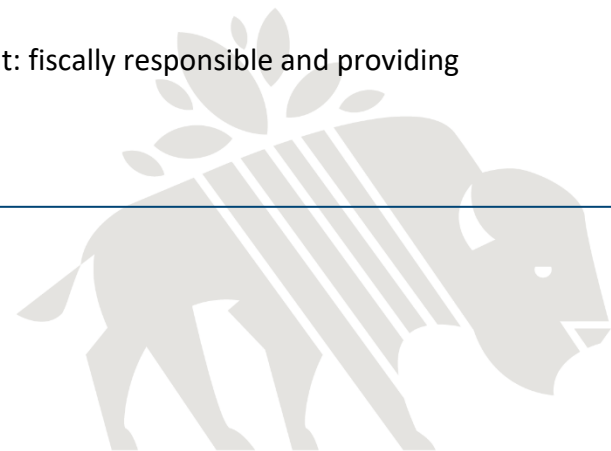
Principle 3: Plan and Invest in the Future

Goal

Goal 1: Maintained effective village government: fiscally responsible and providing outstanding, responsive services

File Attachments

1. Memo - Northwood Award
2. Draft Ordinance - Northwood Award
3. Bid Recommendation - Northwood
4. Bid Tabulation - Northwood
5. 2025 Northwood Contract





MEMORANDUM

DATE: January 9th, 2025

TO: Village Manager Dane Bragg

FROM: Kyle Johnson, Deputy Public Works Director/Village Engineer

SUBJECT: 2025 Northwood Street & Utility Award

RECOMMENDATION

Staff recommends that the Village Board authorize the Village President to execute a contract with Berger Contractors, Inc. for the 2025 Northwood Street & Utility Project in an amount not to exceed \$9,317,665.23, which includes alternate 1 and a 10% Village controlled contingency, pending final review and approval by the Village Attorney.

BACKGROUND

The 2025 Northwood Street & Utility Project was advertised for bids and opened on January 9th, 2025. The Village received four bids at that time. The lowest, qualified bid was in the amount of \$8,470,604.75 from Berger Contractors, Inc. A contingency of 10% is requested with this award bringing the total contract amount to \$9,317,665.23. The project includes pond expansion, storm sewer installation, street resurfacing and full street reconstruction.

Last year staff applied for a Grant through the Lake County Stormwater Management Commission (SMC) for their second phase of Department of Commerce & Economic Opportunity (DCEO) funding toward stormwater management. The Grant application was on behalf of both the Village of Buffalo Grove and Vernon Township for improvements in the Northwoods Subdivision and Horatio Garden areas. After careful consideration by SMC for many competitive projects, this regional stormwater improvement was selected for two full awards, \$2.75 million for each agency.

A Pre-Award IGA has already been executed by both SMC and the Village for the DCEO funding. A Post-Award IGA with SMC will follow in the coming months, as DCEO and SMC finalize the project terms based upon the official award. Additionally, IGAs have been executed with the Buffalo Grove Park District and Vernon Township for partnership within this project.

Additionally, the Village will be responsible for a Project Expense Match (PEM) of \$364,031.25 to SMC for their administrative efforts in securing and facilitating the grant on the behalf of the Village and Township. This PEM is calculated by the low/moderate income percentage in the census block of the project expressed as a decimal (0.1175) subtracted from one (1), the difference of which is multiplied by the maximum 15% Project Expense Match rate allowed per program policy, expressed as a decimal (0.15), multiplied by the amount of grant funding requested for the

Page 1 of 2

smart. with heart.

50 Raupp Boulevard, Buffalo Grove, IL 60089 847-459-2500 vbg.org

Northwood Subdivision Stormwater Improvements Project-Phase 1 (\$2,750,000). The PEM can be paid to SMC at any time, including after we receive the grant funds, which will be authorized with the SMC Post-Award IGA that is also on tonight's agenda.

The project includes significant stormwater improvements, for both capacity and conveyance, which are generally covered by the grant funding received. The Village has also included street improvements on Pauline, Raphael, Carmen, Lilac and Armstrong which contain street reconstruction and resurfacing. The costs for the Village's share of the project, which is comprised of the street improvements and PEM, have been included in the annual CIP through the Capital Streets Funds.

In accordance with our Intergovernmental Agreement with Vernon Township, the Village has received notice to proceed with the alternate as well. The alternate includes quantities that will allow for a pavement resurfacing of all the Township streets from Pauline up to Pope. All the costs of the alternate will be reimbursed from the Township to the Village in accordance with the IGA.

FINANCIAL BREAKDOWN

A snapshot of how the funding for this breakdown is as follows:

SOURCE	ENGINEER'S ESTIMATE	ACTUAL COST	ACTUAL COST + CONTINGENCY
SMC – DCEO GRANT	\$5,500,000.00	\$5,500,000.00	\$5,500,000.00
VERNON TOWNSHIP	\$740,697.50	\$487,467.35	\$536,214.09
VILLAGE SHARE	\$3,523,739.75	\$2,483,137.40	\$3,281,451.14
TOTAL	\$9,764,437.25	\$8,470,604.75	\$9,317,665.23



ORDINANCE 2025-xxx

AN ORDINANCE AUTHORIZING A CONSTRUCTION CONTRACT WITH BERGER CONTRACTORS, INC. FOR THE 2025 NORTHWOOD STREET & UTILITY PROJECT

WHEREAS the Village of Buffalo Grove is a home rule unit pursuant to the Illinois Constitution of 1970; and

WHEREAS the Village seeks to enter into a contract with Berger Contractors, Inc. for the 2025 Northwood Street & Utility Project,

NOW THEREFORE BE IT ORDAINED by the President and Board of Trustees of the Village of Buffalo Grove, Cook and Lake Counties, Illinois, as follows:

SECTION 1. The foregoing recitals are hereby adopted and incorporated and made a part of this Ordinance as if fully set forth herein.

SECTION 2. The Village President is authorized to execute a contract with Berger Contractors, Inc. for the 2025 Northwood Street & Utility Project at a price not to exceed \$9,317,665.23, pending attorney review.

SECTION 3. If any section, paragraph, clause or provision of this Ordinance shall be held invalid, the invalidity thereof shall not affect any other provision of this Ordinance.

SECTION 4. This Ordinance shall be in full force and effect from and after its passage and approval and shall not be codified.

AYES: _____
NAYES: _____
ABSENT: _____
PASSED: _____, 2025
APPROVED: _____, 2025
PUBLISHED: _____, 2025

ATTEST:

APPROVED:

Janet M. Sirabian, Village Clerk

Eric N. Smith, Village President

January 14, 2025

Mr. Adam Dow
Civil Engineer II
Village of Buffalo Grove
1650 Leider Lane
Buffalo Grove, Illinois 60089



625 Forest Edge Drive, Vernon Hills, IL 60061
TEL 847.478.9700 ■ FAX 847.478.9701

www.gha-engineers.com

Re: 2024 Northwood Street & Utility Improvements
VoBG-2024-28
Bid Results and Recommendation for Award

Dear Mr. Dow:

On Thursday, January 9, 2025, bid proposals for the above referenced project were received, opened, and publicly read aloud via a Microsoft Teams video conference. This is a combined project with the Village of Buffalo Grove as the Lead Agency. This project includes storm sewer and roadway improvements within the Northwood Subdivision and Horatio Gardens in Vernon Township.

As directed, the work considered was separated into a 'base bid' and an 'alternate'. Thus, two separate bid schedules were received from each contractor. Most of the proposed work was included in the base bid, and the resurfacing of the Vernon Township streets was included as alternate 01.

Bid documents were solicited and available to contractors on the Village's website, and bids were received by five (5) contractors. As-read, the combined bid amounts ranged from \$8,470,604.75 to \$12,800,876.80; the Engineer's Opinion of Probable Cost (EOPC) was \$9,764,437.25. The as-read low bid of \$8,470,604.75 was received from Berger Contractors, Inc. of Wauconda, Illinois. The bids for the base bid ranged from \$7,983,137.40 to \$12,106,414.90; the EOPC was \$9,023,739.75. The bids for alternate 01 ranged from \$487,467.35 to \$694,461.90; the EOPC was \$740,697.50.

Berger Contractors, Inc. is an IDOT prequalified firm and has the experience and means to perform the work in accordance with the plans and specifications.

We recommend that the Village Board authorize the award of a construction contract for the 2024 Northwood Street & Utility Improvements to Berger Contractors, Inc. in the amount of \$8,470,604.75. This includes the award of the base bid, and alternate 01.

If you have any questions or require additional information regarding the above, please do not hesitate to contact me at (847) 821-6271 or by email at plind@gha-engineers.com.

Sincerely,
GEWALT HAMILTON ASSOCIATES, INC.

Peter C. Lind, PE
Senior Project Manager I

Encl.: Bid Summary

CC: Tom Wisniewski – Village of Buffalo Grove
Kyle Johnson, PE, CFM – Gewalt Hamilton Associates, Inc.
Leo Morand, PE – Gewalt Hamilton Associates, Inc.

Client:

Village of Buffalo Grove

Project:

2025 Northwood Utility & Street Improvements

GHA Project No:

4798.064

Project Manager:

Peter Lind, P.E.

Bid Opening Date:

1/9/2025

Bid Opening Location:

Virtual

				Engineer's Opinion of Probable Cost		BID TABULATION									
						Berger Contractors, Inc.		Bolder Contractors, Inc.		DiMeo Brothers, Inc.		Martam Construction		Swallow Construction Corporation	
Item No.	Description	Qty	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
1	Tree Removal (6 to 15 Units Diameter)	65.0	UN	\$45.00	\$2,925.00	\$15.00	\$975.00	\$15.00	\$975.00	\$35.00	\$2,275.00	\$23.92	\$1,554.80	\$18.00	\$1,170.00
2	Tree Removal (Over 15 Units Diameter)	400.0	UN	\$45.00	\$18,000.00	\$25.00	\$10,000.00	\$25.00	\$10,000.00	\$48.00	\$19,200.00	\$33.28	\$13,312.00	\$30.00	\$12,000.00
3	Tree Trunk Protection	118.0	EA	\$200.00	\$23,600.00	\$150.00	\$17,700.00	\$90.00	\$10,620.00	\$185.00	\$21,830.00	\$72.80	\$8,590.40	\$275.00	\$32,450.00
4	Tree Root Pruning	115.0	EA	\$250.00	\$28,750.00	\$80.00	\$9,200.00	\$70.00	\$8,050.00	\$200.00	\$23,000.00	\$98.80	\$11,362.00	\$90.00	\$10,350.00
5	Perimeter Erosion Barrier	630.0	FT	\$4.00	\$2,520.00	\$3.50	\$2,205.00	\$12.00	\$7,560.00	\$6.00	\$3,780.00	\$3.12	\$1,965.60	\$4.00	\$2,520.00
6	Clearing and Grubbing (Special)	1.0	LS	\$5,000.00	\$5,000.00	\$1,100.00	\$1,100.00	\$1,500.00	\$1,500.00	\$250,000.00	\$250,000.00	\$3,640.00	\$3,640.00	\$2,500.00	\$2,500.00
7	Coir Logs	2,235.0	FT	\$4.00	\$8,940.00	\$31.50	\$70,402.50	\$28.00	\$62,580.00	\$10.00	\$22,350.00	\$16.64	\$37,190.40	\$24.00	\$53,640.00
8	Cofferdam	700.0	FT	\$100.00	\$70,000.00	\$0.01	\$7.00	\$1.00	\$700.00	\$135.00	\$94,500.00	\$68.39	\$47,873.00	\$186.00	\$130,200.00
9	Removal and Disposal of Unsuitable Material	590.0	CY	\$65.00	\$38,350.00	\$67.00	\$39,530.00	\$45.00	\$26,550.00	\$40.00	\$23,600.00	\$51.49	\$30,379.10	\$40.50	\$23,895.00
10	Earth Excavation (Haul Off)	14,000.0	CY	\$40.00	\$560,000.00	\$47.00	\$658,000.00	\$45.00	\$630,000.00	\$45.00	\$630,000.00	\$54.39	\$761,460.00	\$73.00	\$1,022,000.00
11	Earth Excavation (Village Limits)	2,000.0	CY	\$35.00	\$70,000.00	\$10.50	\$21,000.00	\$27.00	\$54,000.00	\$35.00	\$70,000.00	\$39.94	\$79,880.00	\$73.00	\$146,000.00
12	Trench Backfill, Coarse Aggregate, CA-11 (Special)	6,590.0	CY	\$55.00	\$362,450.00	\$65.00	\$428,350.00	\$60.00	\$395,400.00	\$48.00	\$316,320.00	\$91.86	\$605,357.40	\$50.50	\$332,795.00
13	Geotechnical Fabric for Ground Stabilization	8,710.0	SY	\$5.00	\$43,550.00	\$2.25	\$19,597.50	\$1.50	\$13,065.00	\$2.00	\$17,420.00	\$3.42	\$29,788.20	\$3.00	\$26,130.00
14	General Landscape Restoration (Special)	11,895.0	SY	\$17.50	\$208,162.50	\$12.25	\$145,713.75	\$9.00	\$107,055.00	\$13.00	\$154,635.00	\$9.46	\$112,526.70	\$10.00	\$118,950.00
15	Mowing (Special)	4.0	EA	\$650.00	\$2,600.00	\$500.00	\$2,000.00	\$500.00	\$2,000.00	\$1,600.00	\$6,400.00	\$1,404.00	\$5,616.00	\$1,800.00	\$7,200.00
16	Temporary Erosion Control Seeding (Special)	11,895.0	SY	\$1.15	\$13,679.25	\$1.20	\$14,274.00	\$0.25	\$2,973.75	\$0.80	\$9,516.00	\$0.78	\$9,278.10	\$1.00	\$11,895.00
17	Temporary Mulch Method 3A (Special)	11,895.0	SY	\$1.65	\$19,626.75	\$1.60	\$19,032.00	\$0.25	\$2,973.75	\$1.60	\$19,032.00	\$1.14	\$13,560.30	\$1.40	\$16,653.00
18	Grading and Shaping Ditches	660.0	FT	\$35.00	\$23,100.00	\$25.00	\$16,500.00	\$20.00	\$13,200.00	\$13.00	\$8,580.00	\$17.02	\$11,233.20	\$50.00	\$33,000.00
19	Inlet and Pipe Protection	107.0	EA	\$165.00	\$17,655.00	\$200.00	\$21,400.00	\$220.00	\$23,540.00	\$165.00	\$17,655.00	\$176.80	\$18,917.60	\$205.00	\$21,935.00
20	Aggregate Base Course, Type B Varies (Special)	6,405.0	TN	\$45.00	\$288,225.00	\$41.00	\$262,605.00	\$32.00	\$204,960.00	\$25.00	\$160,125.00	\$29.47	\$188,755.35	\$54.00	\$345,870.00
21	Preparation of Base	9,845.0	SY	\$5.00	\$49,225.00	\$1.25	\$12,306.25	\$1.90	\$18,705.50	\$1.50	\$14,767.50	\$1.16	\$11,420.20	\$2.25	\$22,151.25
22	Subbase Granular Material, Type B, CA-11, 4" (Special)	2,785.0	SY	\$40.00	\$111,400.00	\$9.00	\$25,065.00	\$10.00	\$27,850.00	\$6.00	\$16,710.00	\$8.90	\$24,786.50	\$10.00	\$27,850.00
23	Aggregate Subgrade Improvement	395.0	CY	\$65.00	\$25,675.00	\$85.00	\$33,575.00	\$80.00	\$31,600.00	\$48.00	\$18,960.00	\$70.46	\$27,831.70	\$49.00	\$19,355.00
24	Aggregate Subgrade Improvement, 12"	10,120.0	SY	\$17.50	\$177,100.00	\$28.00	\$283,360.00	\$16.00	\$161,920.00	\$16.00	\$161,920.00	\$21.18	\$214,341.60	\$34.50	\$349,140.00
25	Hot-Mix Asphalt Surface Removal - Butt Joint	130.0	SY	\$20.00	\$2,600.00	\$1.00	\$130.00	\$20.00	\$2,600.00	\$5.00	\$650.00	\$1.05	\$136.50	\$1.25	\$162.50
26	Hot-Mix Asphalt Binder Course, (Special)	3,375.0	TN	\$95.00	\$320,625.00	\$77.75	\$262,406.25	\$78.00	\$263,250.00	\$82.00	\$276,750.00	\$81.34	\$274,522.50	\$78.25	\$264,093.75
27	Hot-Mix Asphalt Surface Course, (Special)	2,835.0	TN	\$100.00	\$283,500.00	\$82.00	\$232,470.00	\$82.00	\$232,470.00	\$87.00	\$246,645.00	\$85.79	\$243,214.65	\$82.50	\$233,887.50
28	Bituminous Materials (Tack Coat)	7,540.0	LBS	\$2.50	\$18,850.00	\$0.01	\$75.40	\$0.01	\$75.40	\$0.10	\$754.00	\$0.01	\$75.40	\$0.01	\$75.40
29	Portland Cement Concrete Driveway Pavement, 6 Inch	1,915.0	SY	\$75.00	\$143,625.00	\$88.50	\$169,477.50	\$84.00	\$160,860.00	\$88.00	\$168,520.00	\$87.56	\$167,677.40	\$112.00	\$214,480.00
30	Portland Cement Concrete Sidewalk 5 Inch	7,495.0	SF	\$15.00	\$112,425.00	\$11.50	\$86,192.50	\$14.00	\$104,930.00	\$12.00	\$89,940.00	\$13.19	\$98,859.05	\$11.50	\$86,192.50
31	Detectable Warnings (Furnished by Others)	205.0	SF	\$35.00	\$7,175.00	\$16.00	\$3,280.00	\$30.00	\$6,150.00	\$17.00	\$3,485.00	\$32.08	\$6,576.40	\$26.00	\$5,330.00
32	Portland Cement Concrete Median 4 Inch	30.0	SY	\$75.00	\$2,250.00	\$50.00	\$1,500.00	\$70.00	\$2,100.00	\$20.00	\$600.00	\$220.30	\$6,609.00	\$200.00	\$6,000.00
33	Hot-Mix Asphalt Surface Removal, 2"	2,025.0	SY	\$3.50	\$7,087.50	\$3.30	\$6,682.50	\$3.30	\$6,682.50	\$5.00	\$10,125.00	\$3.45	\$6,986.25	\$3.50	\$7,087.50
34	Pavement Removal	22,810.0	SY	\$13.00	\$296,530.00	\$8.65	\$197,306.50	\$11.00	\$250,910.00	\$13.00	\$296,530.00	\$27.43	\$625,678.30	\$27.50	\$627,275.00
35	Driveway Pavement Removal	2,000.0	SY	\$20.00	\$40,000.00	\$14.50	\$29,000.00	\$9.00	\$18,000.00	\$8.00	\$16,000.00	\$12.01	\$24,020.00	\$13.00	\$26,000.00
36	Combination Curb and Gutter Removal	10,605.0	FT	\$10.00	\$106,050.00	\$4.50	\$47,722.50	\$6.00	\$63,630.00	\$4.00	\$42,420.00	\$6.00	\$63,630.00	\$4.00	\$42,420.00
37	Sidewalk Removal	7,405.0	SF	\$8.00	\$59,240.00	\$1.40	\$10,367.00	\$2.00	\$14,810.00	\$1.20	\$8,886.00	\$2.68	\$19,845.40	\$2.50	\$18,512.50
38	Class D Patches, Type IV, 5 Inch (Special)	785.0	SY	\$60.00	\$47,100.00	\$47.00	\$36,895.00	\$47.00	\$36,895.00	\$50.00	\$39,250.00	\$61.18	\$48,026.30	\$51.00	\$40,035.00
39	Precast Concrete Box Culvert 8' x 3.5'	880.0	FT	\$1,100.00	\$968,000.00	\$835.00	\$734,800.00	\$850.00	\$748,000.00	\$950.00	\$836,000.00	\$1,254.95	\$1,104,356.00	\$1,150.00	\$1,012,000.00
40	Precast Concrete Headwall 8' x 3.5'	1.0	EA	\$23,000.00	\$23,000.00	\$45,000.00	\$45,000.00	\$25,000.00	\$25,000.00	\$55,000.00	\$55,000.00	\$38,601.07	\$38,601.07	\$75,000.00	\$75,000.00
41	Joint Ties for Concrete Pipe	62.0	EA	\$300.00	\$18,600.00	\$650.00	\$40,300.00	\$560.00	\$34,720.00	\$800.00	\$49,600.00	\$793.97	\$49,226.14	\$375.00	\$23,250.00
42	Storm Vault #1	1.0	EA	\$45,000.00	\$45,000.00	\$67,500.00	\$67,500.00	\$60,000.00	\$60,000.00	\$65,000.00	\$65,000.00	\$65,728.24	\$65,728.24	\$110,000.00	\$110,000.00
43	Storm Vault #2	1.0	EA	\$45,000.00	\$45,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$60,000.00	\$55,000.00	\$55,000.00	\$58,399.82	\$58,399.82	\$110,000.00	\$110,000.00
44	Storm Vault #3	1.0	EA	\$45,000.00	\$45,000.00	\$60,000.00	\$60,000.00	\$20,000.00	\$20,000.00	\$55,000.00	\$55,000.00	\$60,168.75	\$60,168.75	\$110,000.00	\$110,000.00
45	Storm Vault #4	1.0	EA	\$45,000.00	\$45,000.00	\$57,500.00	\$57,500.00	\$60,000.00	\$60,000.00	\$55,000.00	\$55,000.00	\$55,367.37	\$55,367.37	\$110,000.00	\$110,000.00
46	Storm Vault #5	1.0	EA	\$45,000.00	\$45,000.00	\$60,000.00	\$60,000.00	\$20,000.00	\$20,000.00	\$55,000.00	\$55,000.00	\$60,168.75	\$60,168.75	\$110,000.00	\$110,000.00
47	Storm Vault #6	1.0	EA	\$45,000.00	\$45,000.00	\$57,000.00	\$57,000.00	\$10,000.00	\$10,000.00	\$55,000.00	\$55,000.00	\$55,367.37	\$55,367.37	\$110,000.00	\$110,000.00
48	Storm Sewers, Rubber Gasket, Class A, Type 1 12"	260.0	FT	\$115.00	\$29,900.00	\$60.00	\$15,600.00	\$70.00	\$18,200.00	\$140.00	\$36,400.00	\$89.84	\$23,358.40	\$181.00	\$47,060.00
49	Storm Sewers, Rubber Gasket, Class A, Type 1 15"	70.0	FT	\$117.50	\$8,225.00	\$80.00	\$5,600.00	\$80.00	\$5,600.00	\$180.00	\$12,600.00	\$95.61	\$6,692.70	\$210.00	\$14,700.00
50	Storm Sewers, Rubber Gasket, Class A, Type 1 18"	380.0	FT	\$120.00	\$45,600.00	\$82.00	\$31,160.00	\$90.00	\$34,200.00	\$200.00	\$76,000.00	\$105.09	\$39,934.20	\$124.00	\$47,120.00
51	Storm Sewers, Rubber Gasket, Class A, Type 1 24"	1,550.0	FT	\$180.00	\$279,000.00	\$105.00	\$162,750.00	\$120.00	\$186,000.00	\$225.00	\$348,750.00	\$124.33	\$192,711.50	\$200.50	\$310,775.00
52	Storm Sewers, Rubber Gasket, Class A, Type 1 30"	705.0	FT	\$200.00	\$141,000.00	\$140.00	\$98,700.00	\$220.00	\$155,100.00	\$275.00	\$193,875.00	\$164.61	\$116,050.05	\$189.00	\$133,245.00
53	Storm Sewers, Rubber Gasket, Class A, Type 1 36"	1,295.0	FT	\$235.00	\$304,325.00	\$175.00	\$226,625.00	\$300.00	\$388,500.00	\$325.00	\$420,875.00	\$196.99	\$255,102.05	\$211.50	\$273,892.50
54	Storm Sewers, Rubber Gasket, Class A, Type 2 42"	105.0	FT	\$275.00	\$28,875.00	\$215.00	\$22,575.00	\$400.00	\$42,000.00	\$350.00	\$36,750.00	\$245.42	\$25,769.10	\$347.00	\$36,435.00
55	Storm Sewers, Rubber Gasket, Class A, Type 2 48"	865.0	FT	\$315.00	\$272,475.00	\$270.00	\$233,550.00	\$500.00	\$432,500.00	\$375.00	\$324,375.00	\$293.81	\$254,145.65	\$375.00	\$324,375.00

Client:

Village of Buffalo Grove

Project:

2025 Northwood Utility & Street Improvements

GHA Project No:

4798.064

Project Manager:

Peter Lind, P.E.

Bid Opening Date:

1/9/2025

Bid Opening Location:

Virtual

				Engineer's Opinion of Probable Cost		BID TABULATION									
						Berger Contractors, Inc.		Bolder Contractors, Inc.		DiMeo Brothers, Inc.		Martam Construction		Swallow Construction Corporation	
Item No.	Description	Qty	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
56	Storm Sewers, Class A, Type 2, Elliptical, 58" x 91"	425.0	FT	\$700.00	\$297,500.00	\$595.00	\$252,875.00	\$800.00	\$340,000.00	\$700.00	\$297,500.00	\$524.00	\$222,700.00	\$700.00	\$297,500.00
57	Water Main 6"	30.0	FT	\$200.00	\$6,000.00	\$195.00	\$5,850.00	\$150.00	\$4,500.00	\$300.00	\$9,000.00	\$290.10	\$8,703.00	\$600.00	\$18,000.00
58	Water Main 8"	90.0	FT	\$220.00	\$19,800.00	\$265.00	\$23,850.00	\$180.00	\$16,200.00	\$350.00	\$31,500.00	\$274.41	\$24,696.90	\$415.00	\$37,350.00
59	Water Main 12"	150.0	FT	\$235.00	\$35,250.00	\$240.00	\$36,000.00	\$200.00	\$30,000.00	\$400.00	\$60,000.00	\$329.22	\$49,383.00	\$600.00	\$90,000.00
60	Water Main Removal 6"	30.0	FT	\$30.00	\$900.00	\$30.00	\$900.00	\$1.00	\$30.00	\$5.00	\$150.00	\$50.00	\$1,500.00	\$38.00	\$1,140.00
61	Water Main Removal 8"	90.0	FT	\$30.00	\$2,700.00	\$30.00	\$2,700.00	\$1.00	\$90.00	\$5.00	\$450.00	\$54.89	\$4,940.10	\$38.00	\$3,420.00
62	Water Main Removal 12"	150.0	FT	\$30.00	\$4,500.00	\$33.00	\$4,950.00	\$1.00	\$150.00	\$10.00	\$1,500.00	\$66.70	\$10,005.00	\$38.00	\$5,700.00
63	Pipe Underdrain Removal 4"	1,340.0	FT	\$4.00	\$5,360.00	\$7.75	\$10,385.00	\$6.00	\$8,040.00	\$2.00	\$2,680.00	\$2.00	\$2,680.00	\$10.00	\$13,400.00
64	Storm Sewer Removal 6"	520.0	FT	\$5.50	\$2,860.00	\$9.00	\$4,680.00	\$15.00	\$7,800.00	\$5.00	\$2,600.00	\$12.13	\$6,307.60	\$10.00	\$5,200.00
65	Storm Sewer Removal 10"	115.0	FT	\$6.75	\$776.25	\$12.00	\$1,380.00	\$15.00	\$1,725.00	\$5.00	\$575.00	\$12.13	\$1,394.95	\$10.00	\$1,150.00
66	Storm Sewer Removal 12"	545.0	FT	\$8.00	\$4,360.00	\$18.00	\$9,810.00	\$15.00	\$8,175.00	\$5.00	\$2,725.00	\$12.13	\$6,610.85	\$10.00	\$5,450.00
67	Storm Sewer Removal 15"	495.0	FT	\$11.00	\$5,445.00	\$20.00	\$9,900.00	\$15.00	\$7,425.00	\$5.00	\$2,475.00	\$12.13	\$6,004.35	\$10.00	\$4,950.00
68	Storm Sewer Removal 18"	1,955.0	FT	\$15.00	\$29,325.00	\$21.00	\$41,055.00	\$1.00	\$1,955.00	\$5.00	\$9,775.00	\$16.17	\$31,612.35	\$10.00	\$19,550.00
69	Storm Sewer Removal 24"	111.0	FT	\$20.00	\$2,220.00	\$29.00	\$3,219.00	\$25.00	\$2,775.00	\$10.00	\$1,110.00	\$16.17	\$1,794.87	\$10.00	\$1,110.00
70	Storm Sewer Removal 30"	60.0	FT	\$25.00	\$1,500.00	\$30.00	\$1,800.00	\$25.00	\$1,500.00	\$10.00	\$600.00	\$16.17	\$970.20	\$10.00	\$600.00
71	Storm Sewer Removal 36"	630.0	FT	\$28.00	\$17,640.00	\$34.00	\$21,420.00	\$30.00	\$18,900.00	\$10.00	\$6,300.00	\$19.40	\$12,222.00	\$10.00	\$6,300.00
72	Storm Sewer Removal 42"	95.0	FT	\$35.00	\$3,325.00	\$35.00	\$3,325.00	\$35.00	\$3,325.00	\$15.00	\$1,425.00	\$24.25	\$2,303.75	\$10.00	\$950.00
73	Storm Sewer Removal 48"	80.0	FT	\$40.00	\$3,200.00	\$40.00	\$3,200.00	\$40.00	\$3,200.00	\$20.00	\$1,600.00	\$30.31	\$2,424.80	\$10.00	\$800.00
74	Concrete Headwall Removal	1.0	EA	\$3,500.00	\$3,500.00	\$2,250.00	\$2,250.00	\$4,000.00	\$4,000.00	\$2,500.00	\$2,500.00	\$1,500.00	\$1,500.00	\$5,500.00	\$5,500.00
75	Pipe Underdrains, 4"	4,250.0	FT	\$45.00	\$191,250.00	\$22.00	\$93,500.00	\$35.00	\$148,750.00	\$25.00	\$106,250.00	\$21.00	\$89,250.00	\$75.00	\$318,750.00
76	Catch Basins, Type A, 4'-Diameter, Type 1 Frame, Closed Lid	2.0	EA	\$4,500.00	\$9,000.00	\$4,325.00	\$8,650.00	\$6,000.00	\$12,000.00	\$5,000.00	\$10,000.00	\$4,244.85	\$8,489.70	\$9,600.00	\$19,200.00
77	Catch Basins, Type A, 4'-Diameter, Type 1 Frame, Open Lid	3.0	EA	\$4,500.00	\$13,500.00	\$4,325.00	\$12,975.00	\$6,000.00	\$18,000.00	\$5,000.00	\$15,000.00	\$4,217.77	\$12,653.31	\$9,500.00	\$28,500.00
78	Catch Basins, Type A, 5'-Diameter, Type 1 Frame, Closed Lid	2.0	EA	\$7,500.00	\$15,000.00	\$5,700.00	\$11,400.00	\$9,000.00	\$18,000.00	\$6,000.00	\$12,000.00	\$6,049.06	\$12,098.12	\$9,500.00	\$19,000.00
79	Catch Basins, Type A, 4'-Diameter, Type 11 Frame and Grate	3.0	EA	\$4,500.00	\$13,500.00	\$4,350.00	\$13,050.00	\$6,000.00	\$18,000.00	\$6,000.00	\$18,000.00	\$4,397.15	\$13,191.45	\$9,500.00	\$28,500.00
80	Manholes, Type A, 4'-Diameter, Type 1 Frame, Closed Lid	13.0	EA	\$4,500.00	\$58,500.00	\$4,385.00	\$57,005.00	\$4,000.00	\$52,000.00	\$5,500.00	\$71,500.00	\$4,396.69	\$57,156.97	\$4,500.00	\$58,500.00
81	Manholes, Type A, 4'-Diameter, Type 1 Frame, Open Lid	7.0	EA	\$4,500.00	\$31,500.00	\$4,350.00	\$30,450.00	\$4,000.00	\$28,000.00	\$5,500.00	\$38,500.00	\$4,369.62	\$30,587.34	\$3,600.00	\$25,200.00
82	Manholes, Type A, 5'-Diameter, Type 1 Frame, Closed Lid	14.0	EA	\$6,000.00	\$84,000.00	\$7,000.00	\$98,000.00	\$6,000.00	\$84,000.00	\$6,500.00	\$91,000.00	\$6,129.61	\$85,814.54	\$6,900.00	\$96,600.00
83	Manholes, Type A, 6'-Diameter, Type 1 Frame, Closed Lid	5.0	EA	\$9,000.00	\$45,000.00	\$12,500.00	\$62,500.00	\$10,000.00	\$50,000.00	\$11,500.00	\$57,500.00	\$10,220.45	\$51,102.25	\$15,000.00	\$75,000.00
84	Manholes, Type A, 6'-Diameter, Type 11 Frame and Grate	1.0	EA	\$9,000.00	\$9,000.00	\$11,700.00	\$11,700.00	\$10,000.00	\$10,000.00	\$12,000.00	\$12,000.00	\$10,372.78	\$10,372.78	\$17,000.00	\$17,000.00
85	Manholes, Type A, 7'-Diameter, Type 1 Frame, Closed Lid	1.0	EA	\$12,000.00	\$12,000.00	\$14,700.00	\$14,700.00	\$15,000.00	\$15,000.00	\$12,500.00	\$12,500.00	\$11,630.32	\$11,630.32	\$14,500.00	\$14,500.00
86	Manholes, Type A, 10'-Diameter, Type 1 Frame, Closed Lid	4.0	EA	\$18,500.00	\$74,000.00	\$30,000.00	\$120,000.00	\$20,000.00	\$80,000.00	\$28,000.00	\$112,000.00	\$23,959.89	\$95,839.56	\$25,500.00	\$102,000.00
87	Restrictor Structure, 5'-Diameter, Open Lid	1.0	EA	\$13,000.00	\$13,000.00	\$13,000.00	\$13,000.00	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00	\$7,885.66	\$7,885.66	\$9,300.00	\$9,300.00
88	Restrictor Structure, 7'-Diameter, Open Lid	1.0	EA	\$20,000.00	\$20,000.00	\$15,000.00	\$15,000.00	\$10,000.00	\$10,000.00	\$15,000.00	\$15,000.00	\$15,768.59	\$15,768.59	\$21,000.00	\$21,000.00
89	Inlets, Type A, Type 11 Frame and Grate	11.0	EA	\$2,250.00	\$24,750.00	\$2,150.00	\$23,650.00	\$4,000.00	\$44,000.00	\$2,500.00	\$27,500.00	\$2,700.00	\$29,700.00	\$2,500.00	\$27,500.00
90	Drainage Structures, 3' x 2' With EJIW 7030 Single Frame and Grate	5.0	EA	\$4,500.00	\$22,500.00	\$5,200.00	\$26,000.00	\$5,000.00	\$25,000.00	\$8,000.00	\$40,000.00	\$4,369.72	\$21,848.60	\$12,000.00	\$60,000.00
91	Precast Reinforced Concrete Flared End Section 12"	1.0	EA	\$1,500.00	\$1,500.00	\$1,525.00	\$1,525.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$1,553.45	\$1,553.45	\$1,710.00	\$1,710.00
92	Precast Reinforced Concrete Flared End Section 15"	2.0	EA	\$1,650.00	\$3,300.00	\$1,575.00	\$3,150.00	\$2,500.00	\$5,000.00	\$2,250.00	\$4,500.00	\$1,629.28	\$3,258.56	\$1,790.00	\$3,580.00
93	Precast Reinforced Concrete Flared End Section 18"	2.0	EA	\$1,750.00	\$3,500.00	\$1,650.00	\$3,300.00	\$2,800.00	\$5,600.00	\$2,500.00	\$5,000.00	\$1,785.95	\$3,571.90	\$1,950.00	\$3,900.00
94	Precast Reinforced Concrete Flared End Section 24"	3.0	EA	\$2,250.00	\$6,750.00	\$2,275.00	\$6,825.00	\$2,900.00	\$8,700.00	\$3,000.00	\$9,000.00	\$2,038.65	\$6,115.95	\$2,335.00	\$7,005.00
95	Precast Reinforced Concrete Flared End Section 30"	2.0	EA	\$2,500.00	\$5,000.00	\$3,000.00	\$6,000.00	\$3,500.00	\$7,000.00	\$3,500.00	\$7,000.00	\$2,896.67	\$5,793.34	\$2,650.00	\$5,300.00
96	Precast Reinforced Concrete Flared End Section 42"	2.0	EA	\$3,500.00	\$7,000.00	\$2,650.00	\$5,300.00	\$4,000.00	\$8,000.00	\$6,500.00	\$13,000.00	\$5,144.12	\$10,288.24	\$4,650.00	\$9,300.00
97	Precast Reinforced Concrete Flared End Section 48"	1.0	EA	\$5,000.00	\$5,000.00	\$2,700.00	\$2,700.00	\$4,800.00	\$4,800.00	\$7,500.00	\$7,500.00	\$5,784.23	\$5,784.23	\$6,000.00	\$6,000.00
98	Precast Reinforced Concrete Flared End Section 72"	1.0	EA	\$15,000.00	\$15,000.00	\$6,500.00	\$6,500.00	\$5,000.00	\$5,000.00	\$15,000.00	\$15,000.00	\$14,272.61	\$14,272.61	\$14,000.00	\$14,000.00
99	Combination Concrete Curb and Gutter, Type B-4.12	9,585.0	FT	\$40.00	\$383,400.00	\$29.50	\$282,757.50	\$25.00	\$239,625.00	\$33.00	\$316,305.00	\$34.00	\$325,890.00	\$40.00	\$383,400.00
100	Combination Concrete Curb and Gutter, Type B-6.12	220.0	FT	\$40.00	\$8,800.00	\$59.00	\$12,980.00	\$52.00	\$11,440.00	\$57.00	\$12,540.00	\$42.18	\$9,279.60	\$48.00	\$10,560.00
101	Combination Concrete Curb and Gutter, Type M (Modified)	1,220.0	FT	\$40.00	\$48,800.00	\$50.00	\$61,000.00	\$45.00	\$54,900.00	\$50.00	\$61,000.00	\$42.00	\$51,240.00	\$42.00	\$51,240.00
102	Mobilization	1.0	LS	\$465,000.00	\$465,000.00	\$515,000.00	\$515,000.00	\$500,000.00	\$500,000.00	\$200,000.00	\$200,000.00	\$529,172.83	\$529,172.83	\$750,000.00	\$750,000.00
103	Thermoplastic Pavement Marking - Letters and Symbols	75.0	SF	\$15.00	\$1,125.00	\$11.00	\$825.00	\$20.00	\$1,500.00	\$12.00	\$900.00	\$29.12	\$2,184.00	\$30.00	\$2,250.00
104	Thermoplastic Pavement Marking - Line 4"	515.0	FT	\$3.50	\$1,802.50	\$5.75	\$2,961.25	\$6.00	\$3,090.00	\$6.00	\$3,090.00	\$4.84	\$2,492.60	\$7.20	\$3,708.00
105	Thermoplastic Pavement Marking - Line 6"	90.0	FT	\$5.00	\$450.00	\$7.00	\$630.00	\$20.00	\$1,800.00	\$8.00	\$720.00	\$7.28	\$655.20	\$12.00	\$1,080.00
106	Frames and Lids to be Adjusted (Special)	4.0	EA	\$850.00	\$3,400.00	\$1,400.00	\$5,600.00	\$600.00	\$2,400.00	\$1,550.00	\$6,200.00	\$1,354.54	\$5,418.16	\$1,650.00	\$6,600.00
107	Drainage and Utility Structures to be Adjusted (Special)	17.0	EA	\$1,250.00	\$21,250.00	\$1,400.00	\$23,800.00	\$600.00	\$10,200.00	\$900.00	\$15,300.00	\$1,220.16	\$20,742.72	\$1,250.00	\$21,250.00
108	Drainage and Utility Structures to be Adjusted With New Type 11 Frame and Grate	10.0	EA	\$1,900.00	\$19,000.00	\$1,350.00	\$13,500.00	\$900.00	\$9,000.00	\$1,300.00	\$13,000.00	\$1,220.16	\$12,201.60	\$950.00	\$9,500.00
109	Drainage and Utility Structures to be Removed (Special)	62.0	EA	\$550.00	\$34,100.00	\$575.00	\$35,650.00	\$400.00	\$24,800.00	\$450.00	\$27,900.00	\$363.77	\$22,553.74	\$525.00	\$32,550.00
110	Storm Drain Removal	10.0	EA	\$325.00	\$3,250.00	\$850.00	\$8,500.00	\$500.00	\$5,000.00	\$250.00	\$2,500.00	\$363.77	\$3,637.70	\$505.00	\$5,050.00

Client:

Village of Buffalo Grove

Project:

2025 Northwood Utility & Street Improvements

GHA Project No:

4798.064

Project Manager:

Peter Lind, P.E.

Bid Opening Date:

1/9/2025

Bid Opening Location:

Virtual

				Engineer's Opinion of Probable Cost		BID TABULATION									
						Berger Contractors, Inc.		Bolder Contractors, Inc.		DiMeo Brothers, Inc.		Martam Construction		Swallow Construction Corporation	
Item No.	Description	Qty	Unit	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
111	Connect Into Existing Drainage Structure (Special)	9.0	EA	\$3,000.00	\$27,000.00	\$2,100.00	\$18,900.00	\$1,500.00	\$13,500.00	\$1,500.00	\$13,500.00	\$1,800.00	\$16,200.00	\$4,750.00	\$42,750.00
112	Frames and Lids to be Adjusted, Type 1, Closed Lid (Sanitary) (Special)	6.0	EA	\$1,500.00	\$9,000.00	\$1,235.00	\$7,410.00	\$900.00	\$5,400.00	\$1,800.00	\$10,800.00	\$1,462.00	\$8,772.00	\$1,800.00	\$10,800.00
113	Sanitary Manholes to be Reconstructed With New Type 1 Frame, Closed Lid	1.0	EA	\$4,000.00	\$4,000.00	\$1,550.00	\$1,550.00	\$5,000.00	\$5,000.00	\$3,500.00	\$3,500.00	\$2,134.60	\$2,134.60	\$1,500.00	\$1,500.00
114	Storm Sewer Connection (Special)	18.0	EA	\$1,350.00	\$24,300.00	\$2,250.00	\$40,500.00	\$700.00	\$12,600.00	\$2,000.00	\$36,000.00	\$1,623.13	\$29,216.34	\$2,750.00	\$49,500.00
115	Plug Existing Storm Sewer 30"	2.0	EA	\$375.00	\$750.00	\$900.00	\$1,800.00	\$920.00	\$1,840.00	\$1,500.00	\$3,000.00	\$2,550.21	\$5,100.42	\$3,900.00	\$7,800.00
116	Adjusting Water Service Line	480.0	FT	\$110.00	\$52,800.00	\$110.00	\$52,800.00	\$90.00	\$43,200.00	\$40.00	\$19,200.00	\$60.00	\$28,800.00	\$200.00	\$96,000.00
117	Adjusting Sanitary Sewer Service Line	420.0	FT	\$85.00	\$35,700.00	\$125.00	\$52,500.00	\$80.00	\$33,600.00	\$60.00	\$25,200.00	\$60.00	\$25,200.00	\$150.00	\$63,000.00
118	Traffic Control and Protection (Special)	1.0	LS	\$310,000.00	\$310,000.00	\$61,000.00	\$61,000.00	\$760,000.00	\$760,000.00	\$150,000.00	\$150,000.00	\$266,819.91	\$266,819.91	\$1,000,000.00	\$1,000,000.00
119	Traffic Control and Protection, Detour (Special)	1.0	LS	\$5,000.00	\$5,000.00	\$16,000.00	\$16,000.00	\$50,000.00	\$50,000.00	\$25,000.00	\$25,000.00	\$6,760.00	\$6,760.00	\$50,000.00	\$50,000.00
120	Hot-Mix Asphalt Driveway Pavement, 3"	35.0	SY	\$65.00	\$2,275.00	\$42.00	\$1,470.00	\$120.00	\$4,200.00	\$50.00	\$1,750.00	\$43.94	\$1,537.90	\$92.00	\$3,220.00
121	Temporary Information Signing	234.0	SF	\$10.00	\$2,340.00	\$16.00	\$3,744.00	\$40.00	\$9,360.00	\$18.00	\$4,212.00	\$15.60	\$3,650.40	\$24.00	\$5,616.00
122	Storm Sewers, Type 2, Water Main Quality Pipe, 12"	470.0	FT	\$155.00	\$72,850.00	\$100.00	\$47,000.00	\$120.00	\$56,400.00	\$175.00	\$82,250.00	\$106.79	\$50,191.30	\$144.00	\$67,680.00
123	Storm Sewers, Type 2, Water Main Quality Pipe, 18"	100.0	FT	\$165.00	\$16,500.00	\$135.00	\$13,500.00	\$200.00	\$20,000.00	\$200.00	\$20,000.00	\$160.35	\$16,035.00	\$450.00	\$45,000.00
124	Storm Sewers, Type 2, Water Main Quality Pipe, 24"	70.0	FT	\$180.00	\$12,600.00	\$195.00	\$13,650.00	\$230.00	\$16,100.00	\$250.00	\$17,500.00	\$230.23	\$16,116.10	\$500.00	\$35,000.00
125	Storm Sewers, Type 2, Water Main Quality Pipe, 30"	75.0	FT	\$195.00	\$14,625.00	\$255.00	\$19,125.00	\$250.00	\$18,750.00	\$300.00	\$22,500.00	\$287.07	\$21,530.25	\$600.00	\$45,000.00
126	Storm Sewers, Type 2, Water Main Quality Pipe, 42"	80.0	FT	\$330.00	\$26,400.00	\$410.00	\$32,800.00	\$400.00	\$32,000.00	\$650.00	\$52,000.00	\$519.47	\$41,557.60	\$506.00	\$40,480.00
127	Connection to Existing Water Main (Non-Pressure) - 12" (Special)	4.0	EA	\$8,500.00	\$34,000.00	\$5,000.00	\$20,000.00	\$6,000.00	\$24,000.00	\$4,500.00	\$18,000.00	\$5,720.89	\$22,883.56	\$6,500.00	\$26,000.00
128	Retaining Wall Removal	115.0	FT	\$50.00	\$5,750.00	\$30.00	\$3,450.00	\$20.00	\$2,300.00	\$50.00	\$5,750.00	\$60.80	\$6,992.00	\$55.00	\$6,325.00
129	Brick Driveway Removal (Special)	110.0	SF	\$20.00	\$2,200.00	\$4.75	\$522.50	\$50.00	\$5,500.00	\$30.00	\$3,300.00	\$12.00	\$1,320.00	\$15.00	\$1,650.00
130	HMA Path Removal and Replacement (Special)	1,125.0	SY	\$40.00	\$45,000.00	\$32.00	\$36,000.00	\$30.00	\$33,750.00	\$35.00	\$39,375.00	\$28.25	\$31,781.25	\$43.25	\$48,656.25
131	Sign Panel Assembly and Post to be Relocated	3.0	EA	\$550.00	\$1,650.00	\$350.00	\$1,050.00	\$400.00	\$1,200.00	\$400.00	\$1,200.00	\$1,040.00	\$3,120.00	\$600.00	\$1,800.00
132	Tree, Tilia TomENTOSA (Silver Linden), 3" Caliper, Balled and Burlapped	4.0	EA	\$675.00	\$2,700.00	\$600.00	\$2,400.00	\$600.00	\$2,400.00	\$1,100.00	\$4,400.00	\$858.00	\$3,432.00	\$2,500.00	\$10,000.00
133	Tree, Quercus Bicolor (Swamp White Oak), 3" Caliper, Balled and Burlapped	7.0	EA	\$700.00	\$4,900.00	\$600.00	\$4,200.00	\$600.00	\$4,200.00	\$1,100.00	\$7,700.00	\$858.00	\$6,006.00	\$2,500.00	\$17,500.00
134	Tree, Celtis (Northern Hackberry), 3" Caliper, Balled and Burlapped	2.0	EA	\$675.00	\$1,350.00	\$600.00	\$1,200.00	\$600.00	\$1,200.00	\$1,100.00	\$2,200.00	\$858.00	\$1,716.00	\$2,500.00	\$5,000.00
135	Native Plugs	11,780.0	EA	\$6.00	\$70,680.00	\$4.00	\$47,120.00	\$4.00	\$47,120.00	\$9.00	\$106,020.00	\$13.00	\$153,140.00	\$4.00	\$47,120.00
136	Native Seeding - Prairie Seed Mix	7,100.0	SY	\$4.00	\$28,400.00	\$17.10	\$121,410.00	\$16.00	\$113,600.00	\$18.00	\$127,800.00	\$14.82	\$105,222.00	\$21.00	\$149,100.00
137	Native Seeding - Slope Seed Mix	4,535.0	SY	\$4.00	\$18,140.00	\$17.00	\$77,095.00	\$16.00	\$72,560.00	\$18.00	\$81,630.00	\$15.60	\$70,746.00	\$13.25	\$60,088.75
138	Exploration Excavation	38.0	EA	\$250.00	\$9,500.00	\$300.00	\$11,400.00	\$800.00	\$30,400.00	\$500.00	\$19,000.00	\$1,193.40	\$45,349.20	\$1,150.00	\$43,700.00
139	Valve Vaults to be Removed (Special)	1.0	EA	\$600.00	\$600.00	\$950.00	\$950.00	\$900.00	\$900.00	\$500.00	\$500.00	\$1,334.57	\$1,334.57	\$665.00	\$665.00
140	Water Valves to be Removed (Special)	1.0	EA	\$350.00	\$350.00	\$725.00	\$725.00	\$900.00	\$900.00	\$500.00	\$500.00	\$1,236.25	\$1,236.25	\$305.00	\$305.00
141	Connection to Existing Water Main (Non-Pressure) - 8" (Special)	4.0	EA	\$8,500.00	\$34,000.00	\$4,500.00	\$18,000.00	\$5,000.00	\$20,000.00	\$3,000.00	\$12,000.00	\$3,931.66	\$15,726.64	\$5,500.00	\$22,000.00
142	Water Valves, 8" (Special)	1.0	EA	\$2,000.00	\$2,000.00	\$3,000.00	\$3,000.00	\$4,000.00	\$4,000.00	\$5,500.00	\$5,500.00	\$2,893.44	\$2,893.44	\$3,500.00	\$3,500.00
143	Valve Vault, Type A, 5'-Diameter, Type 1 Frame, Closed Lid	1.0	EA	\$4,000.00	\$4,000.00	\$4,300.00	\$4,300.00	\$4,000.00	\$4,000.00	\$4,000.00	\$4,000.00	\$6,918.99	\$6,918.99	\$3,215.00	\$3,215.00
144	Thermoplastic Pavement Marking - Line 12"	70.0	FT	\$10.00	\$700.00	\$11.00	\$770.00	\$30.00	\$2,100.00	\$12.00	\$840.00	\$29.12	\$2,038.40	\$11.25	\$787.50
145	Storm Sewers, Type 2, Water Main Quality Pipe, 36"	60.0	FT	\$250.00	\$15,000.00	\$335.00	\$20,100.00	\$350.00	\$21,000.00	\$450.00	\$27,000.00	\$372.80	\$22,368.00	\$500.00	\$30,000.00

Total Base Bid:				\$9,023,739.75		\$7,983,137.40		\$8,744,435.90		\$8,772,152.50		\$9,348,719.92		\$12,106,414.90	
1	General Landscape Restoration (Special)	2,335.0	SY	\$17.50	\$40,862.50	\$12.25	\$28,603.75	\$10.00	\$23,350.00	\$13.00	\$30,355.00	\$9.46	\$22,089.10	\$12.00	\$28,020.00
2	Hot-Mix Asphalt Surface Removal - Butt Joint	335.0	SY	\$20.00	\$6,700.00	\$1.00	\$335.00	\$1.00	\$335.00	\$5.00	\$1,675.00	\$1.05	\$351.75	\$1.21	\$405.35
3	Polymerized Hot-Mix Asphalt Binder Course, IL-4.75, N50	560.0	TN	\$120.00	\$67,200.00	\$100.00	\$56,000.00	\$100.00	\$56,000.00	\$110.00	\$61,600.00	\$104.62	\$58,587.20	\$120.67	\$67,575.20
4	Hot-Mix Asphalt Surface Course, (Special)	1,490.0	TN	\$95.00	\$141,550.00	\$82.00	\$122,180.00	\$95.00	\$141,550.00	\$90.00	\$134,100.00	\$85.79	\$127,827.10	\$98.95	\$147,435.50
5	Bituminous Materials (Tack Coat)	8,910.0	LBS	\$2.00	\$17,820.00	\$0.01	\$89.10	\$0.01	\$89.10	\$0.10	\$891.00	\$0.01	\$89.10	\$0.01	\$89.10
6	Hot-Mix Asphalt Surface Removal, 1.5"	13,190.0	SY	\$3.50	\$46,165.00	\$2.85	\$37,591.50	\$3.00	\$39,570.00	\$4.00	\$52,760.00	\$2.98	\$39,306.20	\$3.44	\$45,373.60
7	Driveway Pavement Removal	3,900.0	SY	\$20.00	\$78,000.00	\$10.42	\$40,638.00	\$12.00	\$46,800.00	\$15.00	\$58,500.00	\$12.01	\$46,839.00	\$15.22	\$59,358.00
8	Class D Patches, Type I, 4 Inch	155.0	SY	\$60.00	\$9,300.00	\$46.00	\$7,130.00	\$46.00	\$7,130.00	\$50.00	\$7,750.00	\$75.13	\$11,645.15	\$59.93	\$9,289.15
9	Class D Patches, Type II, 4 Inch	280.0	SY	\$55.00	\$15,400.00	\$46.00	\$12,880.00	\$46.00	\$12,880.00	\$50.00	\$14,000.00	\$75.13	\$21,036.40	\$59.93	\$16,780.40
10	Class D Patches, Type III, 4 Inch	360.0	SY	\$50.00	\$18,000.00	\$46.00	\$16,560.00	\$46.00	\$16,560.00	\$50.00	\$18,000.00	\$75.13	\$27,046.80	\$59.93	\$21,574.80
11	Class D Patches, Type IV, 4 Inch	560.0	SY	\$45.00	\$25,200.00	\$46.00	\$25,760.00	\$46.00	\$25,760.00	\$50.00	\$28,000.00	\$75.13	\$42,072.80	\$59.93	\$33,560.80
12	Mobilization	1.0	LS	\$40,000.00	\$40,000.00	\$22,500.00	\$22,500.00	\$33,000.00	\$33,000.00	\$25,000.00	\$25,000.00	\$31,963.00	\$31,963.00	\$11,000.00	\$11,000.00
13	Traffic Control and Protection (Special)	1.0	LS	\$20,000.00	\$20,000.00	\$200.00	\$200.00	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00	\$13,405.00	\$13,405.00	\$500.00	\$500.00
14	Hot-Mix Asphalt Driveway Pavement, 3"	3,900.0	SY	\$55.00	\$214,500.00	\$30.00	\$117,000.00	\$32.00	\$124,800.00	\$35.00	\$136,500.00	\$31.39	\$122,421.00	\$65.00	\$253,500.00
Total Alternate 01:				\$740,697.50		\$487,467.35		\$552,824.10		\$594,131.00		\$564,679.60		\$694,461.90	
Total Bid:				\$9,764,437.25		\$8,470,604.75		\$9,297,260.00		\$9,366,283.50		\$9,913,399.52		\$12,800,876.80	
As-Read:														\$12,800,876.00	



Contractor's Name

Berger Contractors, Inc.

Contractor's Address

1205 Garland Road

City

Wauconda

State

IL

Zip Code

60084

STATE OF ILLINOIS

Local Public Agency

Village of Buffalo Grove

County

Cook

Section Number

Street Name/Road Name

2025 Northwood Street and Utility Improvements

Type of Funds

DCEO/General (Local)

☒ CONTRACT BOND (when required)

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature & Date

Submitted/Approved

County Engineer/Superintendent of Highways Signature & Date

For a Municipal Project

Submitted/Approved/Passed

Signature & Date

Official Title

Department of Transportation

☐ Concurrence in approval of award

Regional Engineer Signature & Date

Local Public Agency	Local Street/Road Name	County	Section Number
Village of Buffalo Grove	2025 Northwood Street and Utility Impr	Cook	

1. THIS AGREEMENT, made and concluded the 20th day of January 2025 between the Village of Buffalo Grove, known as the party of the first part, and Berger Contractors, Inc., its successor, and assigns, known as the party of the second part.

2. For and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring this contract, the party of the second part agrees with said party of the first part, at its own proper cost and expense, to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this contract.

3. It is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section in Village of Buffalo Grove, approved by the Illinois Department of Transportation on , are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, the said parties have executed this contract on the date above mentioned.

Attest: The Village of Buffalo Grove
Local Public Agency Type Name of Local Public Agency

Clerk Signature & Date

(SEAL, if required by the LPA)

Party of the First Part Signature & Date

By:

(If a Corporation)

Corporate Name

President, Party of the Second Part Signature & Date

By:

(If a Limited Liability Corporation)

LLC Name

Manager or Authorized Member, Party of the Second Part

By:

(If a Partnership)

Partner Signature & Date

Partner Signature & Date

Partners doing Business under the firm name of
Party of the Second Part

(If an individual)

Party of the Second Part Signature & Date

Attest:

Secretary Signature & Date

(SEAL, if required by the LPA)

Instructions for BLR 12320 - Page 1 of 2
Instructions are not to be submitted with the form.

This form shall be used to execute Local Public Agency (LPA) contracts. The successful bidder must complete this form for formal contract proposals. Refer to Chapter 12 of the Bureau of Local Roads and Streets Manual (BLRS) for more information. For signature requirements, refer to Chapter 2, Section 3.05(b) of the BLRS Manual.

When filling out this form electronically, once a field is initially completed, fields requiring the same information will auto-populate.

Contractor's Name	Insert Contractor's name.
Contractor's Address	Insert Contractor's address.
Local Public Agency	Insert the name of the LPA.
County	Insert the name of the County in which the LPA is located.
Section Number	Insert the section number assigned to this project without dashes.
Street Name/Road Name	Insert the name of the street/road on which the project is located. For projects that include several streets or routes insert various.
Type of Funds	Insert the type of funds being used to fund this project.
For a County and Road District Project	
Highway Commissioner Signature	For a Road District Project the Highway Commissioner shall sign and date here.
County Engineer/Superintendent of Highways	For a road district project or county project, the County Engineer/Superintendent of Highways shall sign and date here.
For a Municipal Project	
Signature and Date	For a Municipal project the appropriate municipal official shall sign and date here.
Official Title	Insert the title of the official who signed above.
Department of Transportation	
Regional Engineer Signature & Date	Upon a limited review the Regional Engineer shall sign and date here.

#1

Day	Insert the Day the contract is made between the two parties.
Month, Year	Insert the month and year that corresponds to the date listed to the left.
Local Public Agency Type	From the drop-down, select the LPA type.
Local Public Agency	Insert the name of the LPA.

#3

Section Number	Insert the section number without dashes that applies to this project.
Local Public Agency	This field is automatically completed based on previous entries.
Date	Insert the date the documents for bidding were approved by IDOT.

#4

Local Public Agency Type	From the drop-down list, select the LPA type.
Local Public Agency	Insert the name of the local public agency.

Instructions for BLR 12320 - Page 1 of 2

Signatures

Local Public Agency Clerk

LPA Clerk shall sign, seal and date here.

Seal

The Clerk shall seal the document here, if required. If a seal is required, electronic signatures should not be used.

By:

The awarding authority duly designated contracting official must sign and date here.

If a corporation

Corporate Name

If a corporation, insert the name of the corporation, followed by the signature of the corporate president with the date of signature.

Attest

The secretary of the corporation shall sign and date here.

If a partnership

Partner Signature

If a partnership, the first partner must sign and date here. The second partner must sign and date the line below.

Party of the Second Part

If a partnership insert the name of the corporation.

If an Individual

If an individual the successful bidder shall sign and date here.

A minimum of four (4) certified signed originals must be submitted to the Regional Engineer's District office OR email PDF completed form with electronic signatures to your local District LRS office.

Following the Regional Engineer's approval, distribution will be as follows:

Local Public Agency Clerk

Successful Bidder

Engineer (Municipal, Consultant or County)

District File



Contract Bond

Local Public Agency	County	Street Name/Road Name	Section Number
Village of Buffalo Grove	Cook	Various Street Segments	

Bond information to be returned to Local Public Agency at 50 Raupp Blvd., Buffalo Grove, Illinois, 60089.
Complete Address

We, Berger Contractors, Inc., 1205 Garland Road, Wauconda, Illinois, 60084
Contractor's Name and Address

a/an Corporation organized under the laws of the State of Illinois as PRINCIPAL, and
State

Surety Name and Address

as SURETY, are held and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of
Nine Million Three Hundred Seventeen Thousand Six Hundred Sixty Five Dollars and Twenty Three Cents -----
Dollars (\$9,317,665.23) lawful money of the United States, to be paid to said LPA, the payment of which we bind ourselves,
successors and assigns jointly to pay to the LPA this sum under the conditions of this instrument.

WHEREAS, THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that the said Principal has entered into a written contract with the LPA acting through its awarding authority for the construction of work on the above sections, which contract is hereby referred to and made a part hereof, as if written herein at length, and whereby the said Principal has promised and agreed to perform said work in accordance with the terms of said contract, and has promised to pay all sums of money due for any labor, materials, apparatus, fixtures or machinery furnished to such Principal for the purpose of performing such work and has further agreed to pay all direct and indirect damages to any person, firm, company or corporation to whom any money may be due from the Principal, subcontractor or otherwise for any such labor, materials, apparatus, fixtures or machinery so furnished and that suit may be maintained on such bond by any such person, firm, company or corporation for the recovery of any such money.

NOW, THEREFORE, if the said Principal shall perform said work in accordance with the terms of said contract, and shall pay all sums of money due or to become due for any labor, materials, apparatus, fixtures or machinery furnished to it for the purpose of constructing such work, and shall commence and complete the work within the time prescribed in said contract, and shall pay and discharge all damages, direct and indirect, that may be suffered or sustained on account of such work during the time of the performance thereof and until the said work shall have been accepted, and shall hold the LPA and its awarding authority harmless on account of any such damages and shall in all respects fully and faithfully comply with all the provisions, conditions and requirements of said contract, then this obligation shall be void; otherwise it shall remain in full force and effect.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective agents this _____ day of _____
Day Month and Year

PRINCIPAL

Company Name

By
Signature & Date

Attest
Signature & Date

Company Name

By
Signature & Date

Attest
Signature & Date

(If PRINCIPAL is a joint venture of two or more contractors, the company names and authorized signature of each contractor must be affixed.)

STATE OF IL
COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that
Notary Name

Insert name of Individuals signing on behalf of PRINCIPAL

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____
Day Month, Year

(SEAL)

Notary Public Signature & Date

Date commission expires _____

SURETY

Name of Surety

Title

By:

STATE OF IL
COUNTY OF _____

I, _____, a Notary Public in and for said county, do hereby certify that
Notary Name

Insert name of Individuals signing on behalf of SURETY

who is/are each personally known to me to be the same person(s) whose name(s) is/are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that he/she/they signed and delivered said instrument freely and voluntarily for the uses and purposes therein set forth.

Given under my hand and notarial seal this _____ day of _____
Day Month, Year

(SEAL)

Notary Public Signature & Date

Date commission expires _____

Approved this _____ day of _____
Day Month, Year

Attest:

Local Public Agency Clerk Signature & Date

Awarding Authority

Awarding Authority Signature & Date

Clerk

Local Public Agency Type

Instructions for BLR 12321 - Page 1 of 2

Note: Instructions should not be included when the form is submitted.

This form shall be used to execute Local Public Agency (LPA) contracts submitted. The successful bidder must complete this form when required for contract proposals. Please refer to the Bureau of Local Roads and Streets Manual Chapter 12 for more information. For signature requirements refer to Chapter 2, Section 3.05(b) of the BLRS Manual. When filling out this form electronically, once a field is initially completed, fields requiring the same information will be auto-populated.

Local Public Agency	Insert the name of the LPA.
County	Insert the name of the County in which the LPA is located.
Street Name/Road Name	Insert the name of the street/road on which the project is located. For projects that include several streets or roads insert various.
Section Number	Insert the section number assigned to this project without dashes.
Address	Insert the LPA Address.
Contractor's Name and Address	Insert the contractor's name and address.
Contractor Legal Status Type	Insert Individual, Partnership or Corporation organized based on the contractor's legal status.
State	Insert the name of the state in which the contractor's company is organized.
Surety	Insert the name and address of the surety.
Dollar Amount	Insert the dollar amount of the contract in words, followed in numerical format in ().
Day	Insert the day of the month when the bond is signed by the principal and the surety.
Month and Year	Insert the month and year when the bond is signed by the principal and the surety,

PRINCIPAL

Company Name	Insert the successful bidder's company name.
Signature & Title	The authorized company officer must sign here, and insert their title and date.
Attest	The authorized agent attesting the signature of the successful bidder's authorized officer must sign here and insert their title.
State	Insert the name of the state where the signer(s) personally appeared before the notary public.
County	Insert the name of the county where the signer(s) personally appeared before the notary public.
Notary Name	Insert the name of notary public. Insert the names of the individuals signing on behalf of the principal.
Day	Insert the day of the month the notary public signed and sealed this document.
Month and Year	Insert the month and year the notary public signed and sealed this document.
Commission Expires	Insert the date the notary public's commission expires. To be completed by the notary public.
Notary Public	The notary public must sign here and place their seal.

SURETY

Name of Surety	Insert the surety's name.
Signature & Title	The attorney-in-fact for the surety must sign and seal here.
State	Insert the name of the state where the signer(s) personally appeared before the notary public.
County	Insert the name of the county where the signer(s) personally appeared before the notary public.
Notary Name	Insert the name of notary public.
Name of Signatory on behalf of Surety	Insert the names of the individuals signing on behalf of the Surety.

Instructions for BLR 12321 - Page 2 of 2

Day	Insert the day of the month the notary public signed and sealed this document.
Month and Year	Insert the month and year the notary public signed and sealed this document.
Commission Expires	Insert the date the notary public's commission expires. To be completed by the notary public.
Notary Public	The notary public must sign here and place their seal.

Approved this

Day	Insert the day of the month when the bond was approved by the awarding authority.
Month and Year	Insert the month and year when the bond was approved by the awarding authority.

Attest:

Local Public Agency Clerk Signature	The awarding authority clerk must sign and date here.
Awarding Authority	Insert the name of the awarding authority.
Local Public Agency Type	Insert the type of LPA.
Awarding Authority signature	The awarding authority officer must sign and date here.

Distribution

Upon completion, this document gets inserted into the Formal Contract Proposal (BLR 12200) or the Material Proposal, or Deliver and Install Proposal (BLR 12240) and **must be** submitted with the contractor's bid.

Upon execution of a formal contract, this form is to be submitted with the formal contract package to the Department. For a Material or Deliver and Install project this form is to be maintained by the LPA. Distribution will be the same as with a Formal Contract Proposal or Material Proposal or Deliver and Install Proposal.



COVER SHEET

Proposal Submitted By:

Contractor's Name

Berger Contractors, Inc.

Contractor's Address

1205 Garland Rd

City

Wauconda

State

IL

Zip Code

60084

STATE OF ILLINOIS

Local Public Agency

Village of Buffalo Grove

County

Cook

Section Number

Route(s) (Street/Road Name)

2025 Northwood Utility and Street Improvements

Type of Funds

DCEO/General (Local)

☐ Proposal Only ☐ Proposal and Plans ☒ Proposal only, plans are separate

Submitted/Approved

For Local Public Agency:

For a County and Road District Project

Submitted/Approved

Highway Commissioner Signature & Date

Submitted/Approved

County Engineer/Superintendent of Highways Signature & Date

For a Municipal Project

Submitted/Approved/Passed

Signature & Date

Official Title

Department of Transportation

Released for bid based on limited review

Regional Engineer Signature & Date

Note: All proposal documents, including Proposal Guaranty Checks or Proposal Bid Bonds, should be stapled together to prevent loss when bids are processed.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Buffalo Grove	Cook		2025 Northwood Utility and Stre

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of www.vbg.org/bids

Address	Name of Office	until 9:00 AM	on 01/09/25
		Time	Date

Sealed proposals will be opened and read publicly at the office of a live, online meeting hosted by the Village,

Address	Name of Office	at 9:00 AM	on 01/09/25
		Time	Date

<https://rb.gy/tbdtmus>

DESCRIPTION OF WORK

Location	Project Length
Lilac Lane, Armstrong Court, Pauline Avenue, Horatio Gardens Subdivision	11,774' (2.2 Miles)

Proposed Improvement

Pavement Removal; Preparation of Base; Aggregate Subgrade Improvements; Aggregate Base Repair; Mass Earthwork; Large Diameter Storm Sewer Improvements; Curb and Gutter, and Sidewalk Removal and Replacement; Hot-Mix Asphalt Binder and Surface Course(s); Landscape Restoration; Native Plantings; and other associated improvements.

1. Plans and proposal forms will be available in the office of

www.vbg.org/bids
Office of the Purchasing Manager - (847) 459-2500

2. ☒ Prequalification

If checked, the 2 apparent as read low bidders must file within 24 hours after the letting an "Affidavit of Availability" (Form BC 57) in triplicate, showing all uncompleted contracts awarded to them and all low bids pending award for Federal, State, County, Municipal and private work. One original shall be filed with the Awarding Authority and two originals with the IDOT District Office.

3. The Awarding Authority reserves the right to waive technicalities and to reject any or all proposals as provided in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals.

4. The following BLR Forms shall be returned by the bidder to the Awarding Authority:

- Local Public Agency Formal Contract Proposal (BLR 12200)
- Schedule of Prices (BLR 12201)
- Proposal Bid Bond (BLR 12230) (if applicable)
- Apprenticeship or Training Program Certification (BLR 12325) (do not use for project with Federal funds.)
- Affidavit of Illinois Business Office (BLR 12326) (do not use for project with Federal funds.)

* See General Condition 8.

5. The quantities appearing in the bid schedule are approximate and are prepared for the comparison of bids. Payment to the Contractor will be made only for the actual quantities of work performed and accepted or materials furnished according to the contract. The scheduled quantities of work to be done and materials to be furnished may be increased, decreased or omitted as hereinafter provided.

6. Submission of a bid shall be conclusive assurance and warranty the bidder has examined the plans and understands all requirements for the performance of work. The bidder will be responsible for all errors in the proposal resulting from failure or neglect to conduct an in depth examination. The Awarding Authority will, in no case, be responsible for any costs, expenses, losses or changes in anticipated profits resulting from such failure or neglect of the bidder.

7. The bidder shall take no advantage of any error or omission in the proposal and advertised contract.

8. If a special envelope is supplied by the Awarding Authority, each proposal should be submitted in that envelope furnished by the Awarding Agency and the blank spaces on the envelope shall be filled in correctly to clearly indicate its contents. When an envelope other than the special one furnished by the Awarding Authority is used, it shall be marked to clearly indicate its contents. When sent by mail, the sealed proposal shall be addressed to the Awarding Authority at the address and in care of the official in whose office the bids are to be received. All proposals shall be filed prior to the time and at the place specified in the Notice to Bidders. Proposals received after the time specified will be returned to the bidder unopened.

9. Permission will be given to a bidder to withdraw a proposal if the bidder makes the request in writing or in person before the time for opening proposals.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Buffalo Grove	Cook		2025 Northwood Utility and Stre

PROPOSAL

- Proposal of Berger Contractors, Inc
Contractor's Name
1205 Garland Rd Wauconda IL 60084
Contractor's Address
- The plans for the proposed work are those prepared by Gewalt Hamilton Associates, Inc. and BLA
and approved by the Department of Transportation on _____.
- The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
- The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
- The undersigned agrees to complete the work within _____ working days or by 10/31/25 unless additional time is granted in accordance with the specifications.
- The successful bidder at the time of execution of the contract will be required to deposit a contract bond for the full amount of the award. When a contract bond is not required, the proposal guaranty check will be held in lieu thereof. If this proposal is accepted and the undersigned fails to execute a contract and contract bond as required, it is hereby agreed that the Bid Bond of check shall be forfeited to the Awarding Authority.
- Each pay item should have a unit price and a total price. If no total price is shown or if there is a discrepancy between the products of the unit price multiplied by the quantity, the unit price shall govern. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price. A bid may be declared unacceptable if neither a unit price nor a total price is shown.
- The undersigned submits herewith the schedule of prices on BLR 12201 covering the work to be performed under this contract.
- The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12201, the work shall be in accordance with the requirements of each individual proposal for the multiple bid specified in the Schedule for Multiple Bids below.
- A proposal guaranty in the proper amount, as specified in BLRS Special Provision for Bidding Requirements and Conditions for Contract Proposals, will be required. Bid Bonds will be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond, if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to: Village Treasurer of Buffalo Grove
The amount of the check is 5% of Bid Amount (_____).

Attach Cashier's Check or Certified Check Here

In the event that one proposal guaranty check is intended to cover two or more bid proposals, the amount must be equal to the sum of the proposal guaranties which would be required for each individual bid proposal. If the proposal guaranty check is placed in another bid proposal, state below where it may be found.

The proposal guaranty check will be found in the bid proposal for: Section Number _____.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Buffalo Grove	Cook		2025 Northwood Utility and Stre

CONTRACTOR CERTIFICATIONS

The certifications hereinafter made by the bidder are each a material representation of fact upon which reliance is placed should the Department enter into the contract with the bidder.

1. **Debt Delinquency.** The bidder or contractor or subcontractor, respectively, certifies that it is not delinquent in the payment of any tax administered by the Department of Revenue unless the individual or other entity is contesting, in accordance with the procedure established by the appropriate Revenue Act, its liability for the tax or the amount of the tax. Making a false statement voids the contract and allows the Department to recover all amounts paid to the individual or entity under the contract in a civil action.
2. **Bid-Rigging or Bid Rotating.** The bidder or contractor or subcontractor, respectively, certifies that it is not barred from contracting with the Department by reason of a violation of either 720 ILCS 5/33E-3 or 720 ILCS 5/33E-4.

A violation of section 33E-3 would be represented by a conviction of the crime of bid-rigging which, in addition to Class 3 felony sentencing, provides that any person convicted of this offense, or any similar offense of any state or the United States which contains the same elements as this offense shall be barred for 5 years from the date of conviction from contracting with any unit of State or local government. No corporation shall be barred from contracting with any unit of State or local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

A violation of Section 33E-4 would be represented by a conviction of the crime of bid-rotating which, in addition to Class 2 felony sentencing, provides that any person convicted of this offense or any similar offense of any state or the United States which contains the same elements as this offense shall be permanently barred from contracting with any unit of State of Local government. No corporation shall be barred from contracting with any unit of State or Local government as a result of a conviction under this Section of any employee or agent of such corporation if the employee so convicted is no longer employed by the corporation and: (1) it has been finally adjudicated not guilty or (2) if it demonstrates to the governmental entity with which it seeks to contract and that entity finds that the commission of the offense was neither authorized, requested, commanded, nor performed by a director, officer or a high managerial agent on behalf of the corporation.

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that, it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.
4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be canceled.

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
Village of Buffalo Grove	Cook		2025 Northwood Utility and Stre

SIGNATURES

(If an individual)

Bidder Signature & Date

--

Business Address

--

City

State

Zip Code

--	--	--

(If a partnership)

Firm Name

--

Signature & Date

--

Title

--

Business Address

--

City

State

Zip Code

--	--	--

Insert the Names and Addresses of all Partners

--

(If a corporation)



Corporate Name

Berger Contractors, Inc.

Signature & Date

	1/8/25
--	--------

Title

President

Business Address

1205 Garland Rd

City

State

Zip Code

Wauconda	IL	60084
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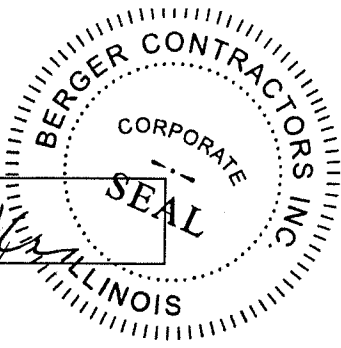
Insert Names of Officers

President

Julie Chamberlin

Attest:

Secretary



Secretary

Julie Chamberlin

Treasurer

Julie Chamberlin

SCHEDULE OF PRICES**Base Bid Scope of Work:**

For the complete scope of work and information covering these items, see the plans and specifications.

2025 NORTHWOOD STREET AND UTILITY PROJECT

The following Unit Prices will be used for basis of payment and shall be the bidder's proposal for completing the entire improvements herein.

BASE BID

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
1	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	65.0	UN	\$ 15.00	\$975.00
2	TREE REMOVAL (OVER 15 UNITS DIAMETER)	400.0	UN	\$ 25.00	\$10,000.00
3	TREE TRUNK PROTECTION	118.0	EA	\$ 150.00	\$17,700.00
4	TREE ROOT PRUNING	115.0	EA	\$ 80.00	\$9,200.00
5	PERIMETER EROSION BARRIER	630.0	FT	\$ 3.50	\$2,205.00
6	CLEARING AND GRUBBING (SPECIAL)	1.0	LS	\$ 1,100.00	\$1,100.00
7	COIR LOGS	2,235.0	FT	\$ 31.50	\$70,402.50
8	COFFERDAM	700.0	FT	\$ 0.01	\$ 7.00
9	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	590.0	CY	\$ 67.00	\$39,530.00
10	EARTH EXCAVATION (HAUL OFF)	14,000.0	CY	\$ 47.00	\$658,000.00
11	EARTH EXCAVATION (VILLAGE LIMITS)	2,000.0	CY	\$ 10.50	\$21,000.00
12	TRENCH BACKFILL, COARSE AGGREGATE, CA-11 (SPECIAL)	6,590.0	CY	\$ 65.00	\$428,350.00
13	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	8,710.0	SY	\$ 2.25	\$19,597.50
14	GENERAL LANDSCAPE RESTORATION (SPECIAL)	11,895.0	SY	\$ 12.25	\$145,713.75
15	MOWING (SPECIAL)	4.0	EA	\$ 500.00	\$2,000.00
16	TEMPORARY EROSION CONTROL SEEDING (SPECIAL)	11,895.0	SY	\$ 1.20	\$14,274.00
17	TEMPORARY MULCH METHOD 3A (SPECIAL)	11,895.0	SY	\$ 1.60	\$19,032.00
18	GRADING AND SHAPING DITCHES	660.0	FT	\$ 25.00	\$16,500.00
19	INLET AND PIPE PROTECTION	107.0	EA	\$ 200.00	\$21,400.00
20	AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL)	6,405.0	TN	\$ 41.00	\$262,605.00
21	PREPARATION OF BASE	9,845.0	SY	\$ 1.25	\$12,306.25
22	SUBBASE GRANULAR MATERIAL, TYPE B, CA-11, 4" (SPECIAL)	2,785.0	SY	\$ 9.00	\$25,065.00
23	AGGREGATE SUBGRADE IMPROVEMENT	395.0	CY	\$ 85.00	\$33,575.00
24	AGGREGATE SUBGRADE IMPROVEMENT, 12"	10,120.0	SY	\$ 28.00	\$283,360.00
25	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	130.0	SY	\$ 1.00	\$130.00
26	HOT-MIX ASPHALT BINDER COURSE, (SPECIAL)	3,375.0	TN	\$ 77.75	\$262,406.25
27	HOT-MIX ASPHALT SURFACE COURSE, (SPECIAL)	2,835.0	TN	\$ 82.00	\$232,470.00
28	BITUMINOUS MATERIALS (TACK COAT)	7,540.0	LBS	\$ 0.01	\$ 75.40
29	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	1,915.0	SY	\$ 88.50	\$169,477.50
30	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	7,495.0	SF	\$ 11.50	\$86,192.50
31	DETECTABLE WARNINGS (FURNISHED BY OTHERS)	205.0	SF	\$ 16.00	\$3,280.00
32	PORTLAND CEMENT CONCRETE MEDIAN 4 INCH	30.0	SY	\$ 50.00	\$1,500.00
33	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	2,025.0	SY	\$ 3.30	\$6,682.50
34	PAVEMENT REMOVAL	22,810.0	SY	\$ 8.65	\$197,306.50
35	DRIVEWAY PAVEMENT REMOVAL	2,000.0	SY	\$ 14.50	\$29,000.00
36	COMBINATION CURB AND GUTTER REMOVAL	10,605.0	FT	\$ 4.50	\$47,722.50

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
37	SIDEWALK REMOVAL	7,405.0	SF	\$1.40	\$10,367.00
38	CLASS D PATCHES, TYPE IV, 5 INCH (SPECIAL)	785.0	SY	\$47.00	\$36,895.00
39	PRECAST CONCRETE BOX CULVERT 8' X 3.5'	880.0	FT	\$835.00	\$734,800.00
40	PRECAST CONCRETE HEADWALL 8' X 3.5'	1.0	EA	\$45,000.00	\$45,000.00
41	JOINT TIES FOR CONCRETE PIPE	62.0	EA	\$650.00	\$40,300.00
42	STORM VAULT #1	1.0	EA	\$67,500.00	\$67,500.00
43	STORM VAULT #2	1.0	EA	\$60,000.00	\$60,000.00
44	STORM VAULT #3	1.0	EA	\$60,000.00	\$60,000.00
45	STORM VAULT #4	1.0	EA	\$57,500.00	\$57,500.00
46	STORM VAULT #5	1.0	EA	\$60,000.00	\$60,000.00
47	STORM VAULT #6	1.0	EA	\$57,000.00	\$57,000.00
48	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	260.0	FT	\$60.00	\$15,600.00
49	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	70.0	FT	\$80.00	\$5,600.00
50	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	380.0	FT	\$82.00	\$31,160.00
51	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	1,550.0	FT	\$105.00	\$162,750.00
52	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 30"	705.0	FT	\$140.00	\$98,700.00
53	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 36"	1,295.0	FT	\$175.00	\$226,625.00
54	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 42"	105.0	FT	\$215.00	\$22,575.00
55	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 48"	865.0	FT	\$270.00	\$233,550.00
56	STORM SEWERS, CLASS A, TYPE 2, ELLIPTICAL, 58" X 91"	425.0	FT	\$595.00	\$252,875.00
57	WATER MAIN 6"	30.0	FT	\$195.00	\$5,850.00
58	WATER MAIN 8"	90.0	FT	\$265.00	\$23,850.00
59	WATER MAIN 12"	150.0	FT	\$240.00	\$36,000.00
60	WATER MAIN REMOVAL 6"	30.0	FT	\$30.00	\$900.00
61	WATER MAIN REMOVAL 8"	90.0	FT	\$30.00	\$2,700.00
62	WATER MAIN REMOVAL 12"	150.0	FT	\$33.00	\$4,950.00
63	PIPE UNDERDRAIN REMOVAL 4"	1,340.0	FT	\$7.75	\$10,385.00
64	STORM SEWER REMOVAL 6"	520.0	FT	\$9.00	\$4,680.00
65	STORM SEWER REMOVAL 10"	115.0	FT	\$12.00	\$1,380.00
66	STORM SEWER REMOVAL 12"	545.0	FT	\$18.00	\$9,810.00
67	STORM SEWER REMOVAL 15"	495.0	FT	\$20.00	\$9,900.00
68	STORM SEWER REMOVAL 18"	1,955.0	FT	\$21.00	\$41,055.00
69	STORM SEWER REMOVAL 24"	111.0	FT	\$29.00	\$3,219.00
70	STORM SEWER REMOVAL 30"	60.0	FT	\$30.00	\$1,800.00
71	STORM SEWER REMOVAL 36"	630.0	FT	\$34.00	\$21,420.00
72	STORM SEWER REMOVAL 42"	95.0	FT	\$35.00	\$3,325.00
73	STORM SEWER REMOVAL 48"	80.0	FT	\$40.00	\$3,200.00
74	CONCRETE HEADWALL REMOVAL	1.0	EA	\$2,250.00	\$2,250.00
75	PIPE UNDERDRAINS, 4"	4,250.0	FT	\$22.00	\$93,500.00
76	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	2.0	EA	\$4,325.00	\$8,650.00
77	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	3.0	EA	\$4,325.00	\$12,975.00
78	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	2.0	EA	\$5,700.00	\$11,400.00
79	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	3.0	EA	\$4,350.00	\$13,050.00
80	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	13.0	EA	\$4,385.00	\$57,005.00
81	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	7.0	EA	\$4,350.00	\$30,450.00

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
82	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	14.0	EA	\$7,000.00	\$98,000.00
83	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	5.0	EA	\$12,500.00	\$62,500.00
84	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 11 FRAME AND GRATE	1.0	EA	\$11,700.00	\$11,700.00
85	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	1.0	EA	\$14,700.00	\$14,700.00
86	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID	4.0	EA	\$30,000.00	\$120,000.00
87	RESTRICTOR STRUCTURE, 5'-DIAMETER, OPEN LID	1.0	EA	\$13,000.00	\$13,000.00
88	RESTRICTOR STRUCTURE, 7'-DIAMETER, OPEN LID	1.0	EA	\$15,000.00	\$15,000.00
89	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	11.0	EA	\$2,150.00	\$23,650.00
90	DRAINAGE STRUCTURES, 3' X 2' WITH EJIW 7030 SINGLE FRAME AND GRATE	5.0	EA	\$5,200.00	\$26,000.00
91	PRECAST REINFORCED CONCRETE FLARED END SECTION 12"	1.0	EA	\$1,525.00	\$1,525.00
92	PRECAST REINFORCED CONCRETE FLARED END SECTION 15"	2.0	EA	\$1,575.00	\$3,150.00
93	PRECAST REINFORCED CONCRETE FLARED END SECTION 18"	2.0	EA	\$1,650.00	\$3,300.00
94	PRECAST REINFORCED CONCRETE FLARED END SECTION 24"	3.0	EA	\$2,275.00	\$6,825.00
95	PRECAST REINFORCED CONCRETE FLARED END SECTION 30"	2.0	EA	\$3,000.00	\$6,000.00
96	PRECAST REINFORCED CONCRETE FLARED END SECTION 42"	2.0	EA	\$2,650.00	\$5,300.00
97	PRECAST REINFORCED CONCRETE FLARED END SECTION 48"	1.0	EA	\$2,700.00	\$2,700.00
98	PRECAST REINFORCED CONCRETE FLARED END SECTION 72"	1.0	EA	\$6,500.00	\$6,500.00
99	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-4.12	9,585.0	FT	\$29.50	\$282,757.50
100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	220.0	FT	\$59.00	\$12,980.00
101	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (MODIFIED)	1,220.0	FT	\$50.00	\$61,000.00
102	MOBILIZATION	1.0	LS	\$515,000.00	\$515,000.00
103	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	75.0	SF	\$11.00	\$825.00
104	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	515.0	FT	\$5.75	\$2,961.25
105	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	90.0	FT	\$7.00	\$630.00
106	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	4.0	EA	\$1,400.00	\$5,600.00
107	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED (SPECIAL)	17.0	EA	\$1,400.00	\$23,800.00
108	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED WITH NEW TYPE 11 FRAME	10.0	EA	\$1,350.00	\$13,500.00
109	DRAINAGE AND UTILITY STRUCTURES TO BE REMOVED (SPECIAL)	62.0	EA	\$575.00	\$35,650.00
110	STORM DRAIN REMOVAL	10.0	EA	\$850.00	\$8,500.00
111	CONNECT INTO EXISTING DRAINAGE STRUCTURE (SPECIAL)	9.0	EA	\$2,100.00	\$18,900.00
112	FRAMES AND LIDS TO BE ADJUSTED, TYPE 1, CLOSED LID (SANITARY) (SPECIAL)	6.0	EA	\$1,235.00	\$7,410.00
113	SANITARY MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED	1.0	EA	\$1,550.00	\$1,550.00
114	STORM SEWER CONNECTION (SPECIAL)	18.0	EA	\$2,250.00	\$40,500.00
115	PLUG EXISTING STORM SEWER 30"	2.0	EA	\$900.00	\$1,800.00
116	ADJUSTING WATER SERVICE LINE	480.0	FT	\$110.00	\$52,800.00
117	ADJUSTING SANITARY SEWER SERVICE LINE	420.0	FT	\$125.00	\$52,500.00
118	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	\$61,000.00	\$61,000.00
119	TRAFFIC CONTROL AND PROTECTION, DETOUR (SPECIAL)	1.0	LS	\$16,000.00	\$16,000.00
120	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	35.0	SY	\$42.00	\$1,470.00
121	TEMPORARY INFORMATION SIGNING	234.0	SF	\$16.00	\$3,744.00
122	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	470.0	FT	\$100.00	\$47,000.00
123	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 18"	100.0	FT	\$135.00	\$13,500.00
124	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"	70.0	FT	\$195.00	\$13,650.00
125	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 30"	75.0	FT	\$255.00	\$19,125.00
126	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 42"	80.0	FT	\$410.00	\$32,800.00

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
127	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 12" (SPECIAL)	4.0	EA	\$5,000.00	\$20,000.00
128	RETAINING WALL REMOVAL	115.0	FT	\$30.00	\$3,450.00
129	BRICK DRIVEWAY REMOVAL (SPECIAL)	110.0	SF	\$4.75	\$522.50
130	HMA PATH REMOVAL AND REPLACEMENT (SPECIAL)	1,125.0	SY	\$32.00	\$36,000.00
131	SIGN PANEL ASSEMBLY AND POST TO BE RELOCATED	3.0	EA	\$350.00	\$1,050.00
132	TREE, TILIA TOMENTOSA (SILVER LINDEN), 3" CALIPER, BALLED AND BURLAPPED	4.0	EA	\$600.00	\$2,400.00
133	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED AND BURLAPPED	7.0	EA	\$600.00	\$4,200.00
134	TREE, CELTIS (NORTHERN HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED	2.0	EA	\$600.00	\$1,200.00
135	NATIVE PLUGS	11,780.0	EA	\$4.00	\$47,120.00
136	NATIVE SEEDING - PRAIRIE SEED MIX	7,100.0	SY	\$17.10	\$121,410.00
137	NATIVE SEEDING - SLOPE SEED MIX	4,535.0	SY	\$17.00	\$77,095.00
138	EXPLORATION EXCAVATION	38.0	EA	\$300.00	\$11,400.00
139	VALVE VAULTS TO BE REMOVED (SPECIAL)	1.0	EA	\$950.00	\$950.00
140	WATER VALVES TO BE REMOVED (SPECIAL)	1.0	EA	\$725.00	\$725.00
141	CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE) - 8" (SPECIAL)	4.0	EA	\$4,500.0	\$18,000.00
142	WATER VALVES, 8" (SPECIAL)	1.0	EA	\$3,000.00	\$3,000.00
143	VALVE VAULT, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	1.0	EA	\$4,300.00	\$4,300.00
144	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	70.0	FT	\$11.00	\$770.00
145	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 36"	60.0	FT	\$335.00	\$20,100.00

PROPOSAL OF UNIT PRICE BASE BID TOTAL: \$7,983,137.40

Written Amount for Proposal of Unit Price Base Bid Total:

Seven million nine hundred eighty three thousand one hundred thirty seven dollars and forty cents

ALTERNATE 01

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	VALUE
1	GENERAL LANDSCAPE RESTORATION (SPECIAL)	2,335.0	SY	\$12.25	\$28,603.75
2	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	335.0	SY	\$1.00	\$335.00
3	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	560.0	TN	\$100.00	\$56,000.00
4	HOT-MIX ASPHALT SURFACE COURSE, (SPECIAL)	1,490.0	TN	\$82.00	\$122,180.00
5	BITUMINOUS MATERIALS (TACK COAT)	8,910.0	LBS	\$0.01	\$89.10
6	HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"	13,190.0	SY	\$2.85	\$37,591.50
7	DRIVEWAY PAVEMENT REMOVAL	3,900.0	SY	\$10.42	\$40,638.00
8	CLASS D PATCHES, TYPE I, 4 INCH	155.0	SY	\$46.00	\$7,130.00
9	CLASS D PATCHES, TYPE II, 4 INCH	280.0	SY	\$46.00	\$12,880.00
10	CLASS D PATCHES, TYPE III, 4 INCH	360.0	SY	\$46.00	\$16,560.00
11	CLASS D PATCHES, TYPE IV, 4 INCH	560.0	SY	\$46.00	\$25,760.00
12	MOBILIZATION	1.0	LS	\$22,500.00	\$22,500.00
13	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	1.0	LS	\$200.00	\$200.00
14	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 3"	3,900.0	SY	\$30.00	\$117,000.00

PROPOSAL OF UNIT PRICE ALTERNATE 01 BID TOTAL: \$487,467.35

Written Amount for Proposal of Unit Price Alternate 01 Bid Total:

Four hundred eighty seven thousand four hundred sixty seven dollars and thirty five cents



**Illinois Department
of Transportation**

VoBG-2024-28
**Local Public Agency
Proposal Bid Bond**

Local Public Agency Village of Buffalo Grove - Northwoodst.	County Cook	Section Number
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WE, Berger Contractors, Inc. as PRINCIPAL, and
Western Surety Company as SURETY, are held jointly,

severally and firmly bound unto the above Local Public Agency (hereafter referred to as "LPA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids, whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LPA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LPA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LPA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the LPA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LPA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this 23rd day of December, 2024

Principal
Company Name
Berger Contractors, Inc.
Signature & Date
By: [Signature] 1/1/25
Title
President

Company Name

Signature & Date
By:
Title

(If Principal is a joint venture of two or more contractors, the company names, and authorized signatures of each contractor must be affixed.)

Surety
Name of Surety
Western Surety Company

Signature of Attorney-in-Fact Signature & Date
By: [Signature] James I. Moore 12/23/24

STATE OF IL
COUNTY OF DuPage

I Lisa Marotta, a Notary Public in and for said county do hereby certify that
Julie Chamberlin and James I. Moore

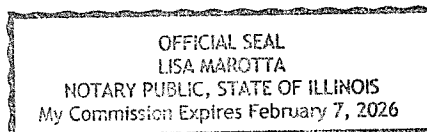
(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL and SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instruments as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 23rd day of December, 2024

(SEAL, if required by the LPA)

Notary Public Signature & Date
[Signature] 12/23/2024
Date commission expires 2/7/2026



Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

James I Moore, Stephen T Kazmer, Melissa Schmidt, Amy Wickett, Kelly A Gardner, Jennifer J McComb, Tariese M Pisciotto, Diane M Rubright, Martin Moss, Individually

of Downers Grove, IL, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the Authorizing By-Laws and Resolutions printed at the bottom of this page, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 1st day of April, 2024.



WESTERN SURETY COMPANY

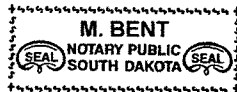
Larry Kasten, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 1st day of April, 2024, before me personally came Larry Kasten, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

March 2, 2026



M. Bent, Notary Public

CERTIFICATE

I, Paula Kolsrud, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law and Resolutions of the corporation printed below this certificate are still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 23rd day of December, 2024.



WESTERN SURETY COMPANY

Paula Kolsrud, Assistant Secretary

Authorizing By-Laws and Resolutions

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney is signed by Larry Kasten, Vice President, who has been authorized pursuant to the above Bylaw to execute power of attorneys on behalf of Western Surety Company.

This Power of Attorney may be signed by digital signature and sealed by a digital or otherwise electronic-formatted corporate seal under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 27th day of April, 2022:

"RESOLVED: That it is in the best interest of the Company to periodically ratify and confirm any corporate documents signed by digital signatures and to ratify and confirm the use of a digital or otherwise electronic-formatted corporate seal, each to be considered the act and deed of the Company."

Go to www.cnasurety.com > Owner / Obligor Services > Validate Bond Coverage, if you want to verify bond authenticity.

Local Public Agency	County	Section Number
Village of Buffalo Grove	Cook	

ELECTRONIC BID BOND

☐ **Electronic bid bond is allowed (box must be checked by LPA if electronic bid bond is allowed)**

The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Bond Form. By providing an electronic bid bond ID code and signing below, the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the LPA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

Electronic Bid Bond ID Code

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Company/Bidder Name

--

Signature & Date

--

Title

--

BIDDER BUSINESS ENTERPRISE PROGRAM ACT UTILIZATION FORMS

This BIDDER submits the following Utilization Plan as part of our proposal in accordance with the requirements of The Illinois Business Enterprise Program Act for Minorities, Women, and Persons with Disabilities Act (30 ILCS 575/0.01 et seq.). We understand that compliance with this Act is a required part of this plan for the project designated as the **2025 Northwood Utility and Street Improvements**.

[IF NECESSARY, ATTACH ADDITIONAL SUBCONTRACTOR AND SUPPLIER FORMS]

This BIDDER makes the following assurance and agrees to include the assurance in each contract with a contractor, subcontractor or supplier utilized on this plan: We shall not discriminate on the basis of race, color, national origin, sexual orientation or sex in the performance of this plan. Failure to carry out these requirements is a material breach of this plan, which may result in the termination of this plan or some other remedy, as the OWNER deems appropriate.

Contractor's person responsible for compliance:

Name: Julie Chamberlin

Title: President

Telephone: (847-526-5457) Extension _____

Email: Jberger@bergercontractors.com

We submit one (1) of the following statements:

- ☒ We are certified (or are eligible and have applied to be certified) with BEP and plan to fully meet the BEP utilization goal through self-performance.
- ☐ We attach Section I to demonstrate our plan fully meets the BEP utilization goal of _____% through subcontracting.
- ☐ We attach Section I to detail that we do not fully meet the BEP utilization goal. We also attach Section II, Demonstration of Good Faith Efforts.

BIDDER Authorized Signature

Date

OWNER reserves the right to conduct, during the evaluation of bidders, such additional investigations as it deems necessary to establish the responsibility, qualifications, and ability of subcontractors, suppliers, individuals, or entities named above to perform the work. This may include, but is not limited to, requests for the submittal of a Bidder's Work History Form and Bidder's Organizational Experience and Workload Form for any subcontractor, supplier, individual, or entity named above. Bidder shall, in accordance with the Instructions to Bidders, promptly and in a timely manner submit such information and data as OWNER may request to conduct such investigations.

Section I
Utilization of Certified Vendors
(Please submit a separate Section I for each proposed certified vendor)

1. To achieve the BEP utilization goal through contracting, the following is proposed:

Subcontractor/Supplier: Berger Contractors, Inc.

Principal Business Address: 1205 Garland Rd. Wauconda IL 60084

Contact: Julie Chamberlin

Telephone: 847-526-5457

Fax: 847-526-4204

E-mail: Jberger@bergercontractors.com

At the time of submission, the above certified vendor is:

☒ Certified with the CMS Business Enterprise Program (BEP) ☐ MBE ☒ WBE ☐ WMBE ☐ PBE

☐ Meets the criteria and has submitted an application for certification with BEP

2. A detailed description of the work/services to be done by this certified vendor is as follows:

PAVEMENT REMOVAL, GRADUATION, ALLIGATOR CUT,
STORM, BEST CULVERT, STRUCTURE, AND WATER MAIN REPLACEMENT

3. The total estimated cost of the work to be contracted/subcontracted to the Certified Subcontractor is

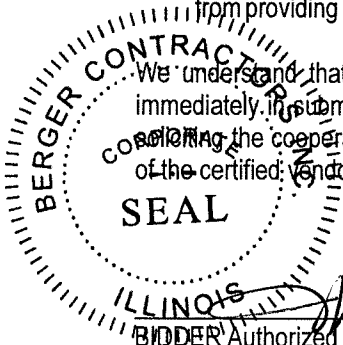
\$ 6,173,000.00, or 73% % of the total cost of the CONTRACT.

4. NOTE: The Prime CONTRACTOR must indicate the percentage of the estimated contract award that will be subcontracted to the Certified MBE/WBE Subcontractor.

5. A joint venture agreement is not required as the arrangement between _____ and _____ is that of contractor and subcontract and not a joint venture.

6. The CONTRACTOR has not prohibited or otherwise limited _____ (Certified Subcontractor) from providing contractor/subcontractor quotes to other potential Bidders.

We understand that DCEO may require additional information to verify our compliance and we agree to cooperate immediately in submitting to interviews, allowing entry to any of our office locations, providing further documentation, or soliciting the cooperation of our proposed certified vendor. We will maintain appropriate records relating to our utilization of the certified vendor including: invoices, canceled checks, books of account, and time records.



BIDDER Authorized Signature

Date



State of Illinois Commission on Equity and Inclusion
Business Enterprise Program
100 W. Randolph St., Suite 4-100, Chicago, IL 60601
www.cei.illinois.gov

January 16, 2024

Ms. Julie Berger-Chamberlin
Berger Excavating Contractors, Inc.
1205 Garland Rd
Wauconda, IL 60084

Re: **Women Business Enterprise (WBE)**
Certification Term Expires: **March 2, 2025**

Dear Ms. Julie Berger-Chamberlin:

Congratulations! After reviewing the information that you supplied, we are pleased to inform you that your firm has been granted certification as a Women Business Enterprise (WBE) under the Business Enterprise Program (BEP) for Minorities, Females, and Persons with Disabilities.

This certification is in effect with the State of Illinois until the date specified above. Please note that you have been granted certification under the Fast Track Application because you are certified with one of our partner organizations and, as such, must recertify each year.

At least 60 days prior to the anniversary date of your certification, you will be notified by BEP through email to update your certification as a condition of continued certification. It is your responsibility to ensure that the contact email address listed in the system is accurate and up to date and that the email account is checked regularly so that you do not miss any important notifications. In addition, should any changes occur in ownership and/or control of the business, in the business' certification status with the partner organization, or other changes affecting the firm's operations, you are required to notify BEP within two weeks. Failure to notify our office of changes will result in decertification of your firm.

Your firm's name will appear in the State's Directory as a certified vendor with the Business Enterprise Program in the specialty area(s) of:

NIGP 91223: CONSTRUCTION, GENERAL: BACKFILL SERVICES, DIGGING, DITCHING, ROAD GRADING, ROCK STABILIZATION, ETC.
NIGP 91313: CONSTRUCTION, BRIDGE AND DRAWBRIDGE, INCLUDING RECONSTRUCTION AND REHABILITATION
NIGP 91345: CONSTRUCTION, SEWER AND STORM DRAIN

Your firm will only show up in the database of BEP-certified vendors the NIGP codes listed above, so PLEASE REVIEW THE LIST CAREFULLY TO ENSURE THAT ALL RELEVANT NIGP CODES ARE INCLUDED.

Also, please be advised that this certification does not guarantee that you will receive a State contract. Please visit the Vendor Registration page on www.opportunities.illinois.gov and be sure to register with each of the Procurement Bulletins listed so that you are notified of upcoming solicitations in your NIGP codes. Certification with the Business Enterprise Program does not ensure you receive notifications; you must also register with the Procurement Bulletins.

Thank you for your participation in the Business Enterprise Program. We welcome your participation and wish you continued success.

Sincerely,



Carlos Gutiérrez
Certification Manager

**Bidder Certification Regarding the Use of
American Iron and Steel Products**

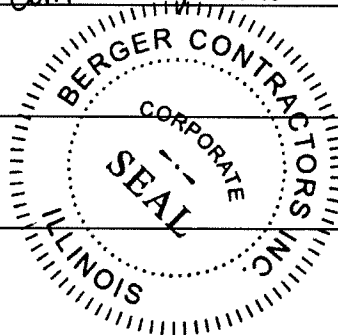
Julie Chamberlin, Do hereby certify that:
Name

1. I am President (title) of the Berger Contractors, Inc. (company partnership, etc.) and have authority to execute this certification on behalf of the firm.
2. This firm is aware that to the greatest extent practicable under this Award, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products).
3. This firm hereby certifies that any steel products used or supplied in accordance with this Award for a public works project shall be manufactured or produced in the United States per the requirements of the Steel Products Procurement Act iron and steel products used for this project must be produced in the United States.
4. This firm is aware that the use of American iron and steel products applies to all project contracts for construction, reconstruction, repair, improvement or maintenance of public works under this Award.
5. This firm understands the term "iron and steel products" refers to the following products made primarily of iron or steel: lined or unlined pipes and fittings, manhole covers and other municipal castings, hydrants, tanks, flanges, pipe clamps and restraints, valves, structural steel, reinforced precast concrete, and construction materials.
6. I am aware that this requirement applies to all portions of this project that are also subcontracted.
7. I am aware that as the prime contractor on this project that all manufactures and/or suppliers of iron and steel materials providing materials for use on this project will need to provide a letter or certificate stating certification of materials meeting these domestic sourcing requirements.

NAME OF FIRM: Berger Contractors, Inc.

SIGNATURE: 

DATE: 1/9/25



ADDENDUM 01
FOR
2025 NORTHWOOD STREET & UTILITY PROJECT
VILLAGE OF BUFFALO GROVE, IL
VoBG 2024-28

Date of Addendum: Friday, January 3, 2025
Bid Due Date: 9:00 AM Thursday, January 9, 2025

Description of Addendum:

The following items provide additional clarification and modifications to the bid documents and are made a part of the bid documents for the Village of Buffalo Grove's '2025 Northwood Street & Utility Project'. It is the bidder's responsibility to review all bid documents thoroughly in preparation of their bid. Additionally, this addendum shall be attached to the bid proposal.

Schedule of Prices:

1. A revised schedule of prices is included with this addendum. Various pay item quantities have been adjusted, new quantities have been added, and a few pay items have been omitted based on an internal review of the bid documents and other changes included with Addendum 01. **This shall replace the respective Schedule of Prices previously included in the bid documents.**

Plan & Specification Modifications or Clarifications:

1. A revised plan set is included with this addendum. **This shall replace the respective plan set previously included in the bid documents.**

Revision Summary:

- Callouts for dry connections to be made for all water main replacement
- Proposed invert and pipe material updates on Lilac Lane, Ridgewood Basin, Northwoods Basin, and Pauline Avenue
- Proposed storm sewer configuration on Pauline Avenue, proposed storm vault near station 131+75 is removed and replaced with a blind connection to box culvert
- Proposed grading of Pauline Avenue from station 129+00 to east project limits
- Pipe crossing information shown on Pauline Avenue profile
- Restrictor detail was added to the details
- '2022 Candlewood Creek Street Improvements' plans prepared by BLA, Inc. are incorporated into the bid set to be constructed as designed. The respective quantities associated with the aforementioned plans were integrated within the Schedule of Prices. These plans supplement the plans prepared by GHA and include but are not limited to roadway, sidewalk, and various storm sewer improvements for Pauline Avenue, Raphael Avenue, and Carman Avenue.

2. The following Special Provisions shall be added to the bid documents:

Valve Vaults to be Removed (Special)

This work shall include all labor, material, and equipment necessary to remove existing valve vaults at locations shown on the Engineering plans in accordance with Section 605 of the Standard Specifications and as specified herein.

Valve vaults shall be removed, frame and lid included, to a partial depth approximately three feet below finished grade and filled with CA-11 aggregate material as specified herein.

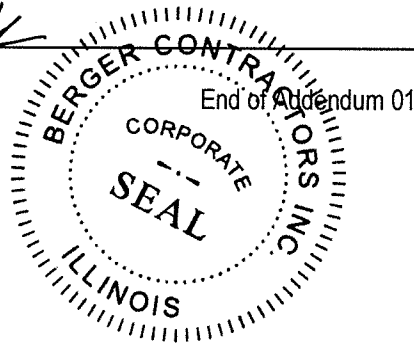
Below are questions we have received from Bidders through January 2, 2025:

5. Comment: Are grates needed for the flared end sections?
Response: No
6. Comment: Is trench backfill paid for water and sewer service adjusts?
Response: Trench backfill is paid for open cut water and sewer service adjustments per the plans and contract documents.
7. Comment: I see the topsoil is incidental to the native seed mixes. Can I ask you make the topsoil a pay item?
Response: No separate pay item will be included for topsoil. Topsoil will remain included in the cost of the contract per the plans and contract documents.

PLEASE NOTE AND INCLUDE THIS ADDENDUM IN YOUR RESPONSE:

PROSPECTIVE RESPONDER: Berger Contractors, Inc.

SIGNED: [Signature] DATE: 1/9/25



ADDENDUM 02
FOR
2025 NORTHWOOD STREET & UTILITY PROJECT
VILLAGE OF BUFFALO GROVE, IL
VoBG 2024-28

Date of Addendum: Tuesday, January 7, 2025
Bid Due Date: 9:00 AM Thursday, January 9, 2025

Description of Addendum:

The following items provide additional clarification and modifications to the bid documents and are made a part of the bid documents for the Village of Buffalo Grove's '2025 Northwood Street & Utility Project'. It is the bidder's responsibility to review all bid documents thoroughly in preparation of their bid. Additionally, this addendum shall be attached to the bid proposal.

Schedule of Prices:

1. A revised schedule of prices is included with this addendum. The following pay item quantities below have been adjusted and one new pay item has been added based on an internal review of the bid documents. **This shall replace the respective Schedule of Prices previously included in the bid documents.**

Pay Items with Quantity Adjustments:

Pay Item No. 12 Trench Backfill, Coarse Aggregate, CA-11 (Special)
Pay Item No. 14 General Landscape Restoration (Special)
Pay Item No. 16 Temporary Erosion Control Seeding (Special)
Pay Item No. 17 Temporary Mulch Method 3A (Special)
Pay Item No. 18 Grading and Shaping Ditches
Pay Item No. 19 Inlet and Pipe Protection
Pay Item No. 20 Aggregate Base Course, Type B Varies (Special)
Pay Item No. 27 Hot-Mix Asphalt Surface Course, (Special)
Pay Item No. 28 Bituminous Materials (Tack Coat)
Pay Item No. 33 Hot-Mix Asphalt Surface Removal, 2"
Pay Item No. 38 Class D Patches, Type IV, 5 Inch (Special)
Pay Item No. 41 Joint Ties for Concrete Pipe
Pay Item No. 48 Storm Sewers, Rubber Gasket, Class A, Type 1 12"
Pay Item No. 51 Storm Sewers, Rubber Gasket, Class A, Type 1 24"
Pay Item No. 53 Storm Sewers, Rubber Gasket, Class A, Type 1 36"
Pay Item No. 66 Storm Sewer Removal 12"
Pay Item No. 67 Storm Sewer Removal 15"
Pay Item No. 69 Storm Sewer Removal 24"
Pay Item No. 77 Catch Basins, Type A, 4'-Diameter, Type 1 Frame, Open Lid
Pay Item No. 78 Catch Basins, Type A, 5'-Diameter, Type 1 Frame, Closed Lid
Pay Item No. 80 Manholes, Type A, 4'-Diameter, Type 1 Frame, Closed Lid
Pay Item No. 89 Inlets, Type A, Type 11 Frame and Grate
Pay Item No. 109 Drainage and Utility Structures to be Removed (Special)
Pay Item No. 122 Storm Sewers, Type 2, Water Main Quality Pipe, 12"

New Pay Item:

Pay Item No. 145 Storm Sewers, Type 2, Water Main Quality Pipe, 36"

Plan & Specification Modifications or Clarifications:

Below are questions we have received from Bidders through January 7, 2025:

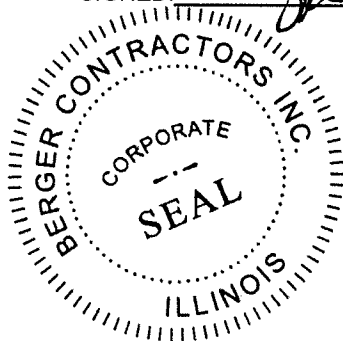
1. Comment: Does the pavement removal pay item need to cover the removal to the depth of the new cross section which is like 14.5 inches?
Response: Yes, pavement removal shall follow the Special Provision in the Contract Documents.
2. Comment: Is there a solution to drain the basin on Pauline other than pumping it out as needed? The new basin is five foot deeper and will not have a gravity outfall since the box culvert lead time is 10-12 weeks.
Response: Means and methods are up to the Contractor.
3. Comment: Can we strip the topsoil from the Pauline basin and reuse it?
Response: Means and methods are up to the Contractor, however, the new topsoil material shall meet the amended topsoil requirements stated in the Contract Documents.
4. Comment: There is a lot of driveway removal in the alternate. Not sure what depth to figure, are we just installing the 3" of hma or will stone be installed also deepening the thickness for removal?
Response: All asphalt shall be removed to the existing aggregate subbase and any additional aggregate required will be paid for under a separate pay item. At the Engineer's discretion for each respective driveway apron, a butt-joint can be constructed at the right-of-way, and the existing asphalt driveway apron overlaid to meet the new finish elevation of the roadway.
5. Comment: I am figuring depth of pavement removal and just noticed Lilac is supposed to have 9" agg base and Pauline 12" per the plan details/typical sections. BUT your pay item for the stone base is for 10". So not sure how thick to figure my pavement removal. Can you clarify?
Response: The proposed aggregate base course on Pauline shall be twelve inches (12"). The proposed aggregate base course on Lilac and Armstrong shall be nine inches (9").
6. Comment: For the pavement removal west of station 126, do we have to remove that with a backhoe or can this be milled at 4.5". According to the cores if we mill then there may be 1-3" of asphalt left. Otherwise we are removing 5"-10" of asphalt with the backhoe and will have to add stone to get to grade.
Response: Means and methods are up to the Contractor, however, please note, the roadway shall remain open to all vehicular traffic during this operation. The design intent is to remove all of the existing asphalt pavement, prepare the base, and furnish and add stone as needed to the lines and grades shown on the plans.

PLEASE NOTE AND INCLUDE THIS ADDENDUM IN YOUR RESPONSE:

PROSPECTIVE RESPONDER: Berger Contractors, Inc.

SIGNED: [Signature] DATE: 1/9/25

End of Addendum 02



ADDENDUM 03
FOR
2025 NORTHWOOD STREET & UTILITY PROJECT
VILLAGE OF BUFFALO GROVE, IL
VoBG 2024-28

Date of Addendum: Wednesday, January 8, 2025
Bid Due Date: 9:00 AM Thursday, January 9, 2025

Description of Addendum:

The following items provide additional clarification and modifications to the bid documents and are made a part of the bid documents for the Village of Buffalo Grove's '2025 Northwood Street & Utility Project'. It is the bidder's responsibility to review all bid documents thoroughly in preparation of their bid. Additionally, this addendum shall be attached to the bid proposal.

Schedule of Prices:

1. A revised schedule of prices is included with this addendum. The following pay item quantities below have been adjusted based on an internal review of the bid documents. **This shall replace the respective Schedule of Prices previously included in the bid documents.**

Pay Items with Quantity Adjustments:

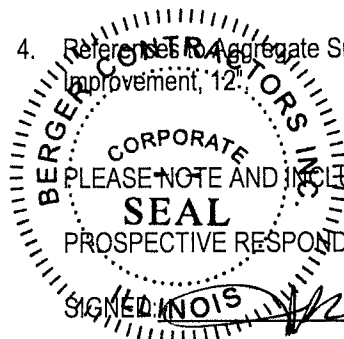
Pay Item No. 20 Aggregate Base Course, Type B Varies (Special)

Pay Items with Depth & Quantity Adjustments:

Pay Item No. 24 Aggregate Subgrade Improvement, 10" is replaced w/ Aggregate Subgrade Improvement 12"

Plan & Specification Modifications or Clarifications:

2. Revised typical sections are included with this addendum. **This shall replace the respective sheets previously included in the bid documents.**
3. Revised roadway reconstruction limits on Pauline Avenue are included in this addendum. **This shall replace the respective sheet previously included in the bid documents.**
4. Reference to Aggregate Subgrade Improvement, 10" on Pauline Avenue shall be replaced with Aggregate Subgrade Improvement, 12".



PLEASE NOTE AND INCLUDE THIS ADDENDUM IN YOUR RESPONSE:

PROSPECTIVE RESPONDER:

Berger Contractors Inc.

SIGNED:

DATE:

1/8/24

End of Addendum 03



WOMEN'S BUSINESS ENTERPRISE
NATIONAL COUNCIL

JOIN FORCES. SUCCEED TOGETHER.

hereby grants

National Women's Business Enterprise Certification

to

Berger Excavating Contractors, Inc. DBA Berger Contractors, Inc.

who has successfully met WBENC's standards as a Women's Business Enterprise (WBE).
This certification affirms the business is woman-owned, operated and controlled and is valid through the date herein.

Certification Granted: March 2, 2012
Expiration Date: March 2, 2025
WBENC National Certification Number: 2005119961

WBENC National WBE Certification was processed and validated by Women's Business Development Center - Midwest, a WBENC Regional Partner Organization.

Authorized by Emilia DiMenco, President &
CEO Women's Business Development Center -
Midwest

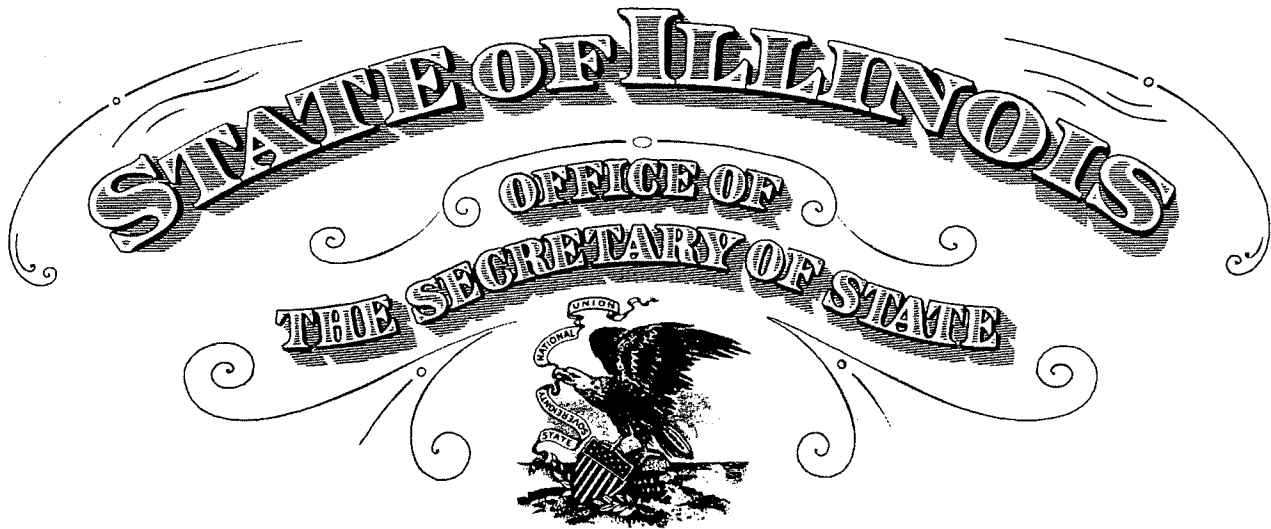


NAICS: 237310, 237110, 237990
UNSPSC: 72140000, 72141000, 72141107



File Number

5577-526-5



To all to whom these Presents Shall Come, Greeting:

I, Jesse White, Secretary of State of the State of Illinois, do hereby certify that I am the keeper of the records of the Department of Business Services. I certify that

BERGER EXCAVATING CONTRACTORS, INC., A DOMESTIC CORPORATION, INCORPORATED UNDER THE LAWS OF THIS STATE ON DECEMBER 20, 1989, APPEARS TO HAVE COMPLIED WITH ALL THE PROVISIONS OF THE BUSINESS CORPORATION ACT OF THIS STATE, AND AS OF THIS DATE, IS IN GOOD STANDING AS A DOMESTIC CORPORATION IN THE STATE OF ILLINOIS.



In Testimony Whereof, I hereto set
my hand and cause to be affixed the Great Seal of
the State of Illinois, this 13TH
day of FEBRUARY A.D. 2020 .

Jesse White

SECRETARY OF STATE

Authentication #: 2004403146 verifiable until 02/13/2021
Authenticate at: <http://www.cyberdriveillinois.com>



**Illinois Department
of Transportation**

Certificate of Eligibility

Berger Excavating Contractors, Inc. d/b/a Berger Contractors, Inc.
1205 Garland Road Wauconda, IL 60084

Contractor No 0392

WHO HAS FILED WITH THE DEPARTMENT AN APPLICATION FOR PREQUALIFICATION STATEMENT OF EXPERIENCE, EQUIPMENT AND FINANCIAL CONDITION IS HEREBY QUALIFIED TO BID AT ANY OF DEPARTMENT OF TRANSPORTATION LETTINGS IN THE CLASSES OF WORK AND WITHIN THE AMOUNT AND OTHER LIMITATIONS OF EACH CLASSIFICATION, AS LISTED BELOW, FOR SUCH PERIOD AS THE UNCOMPLETED WORK FROM ALL SOURCES DOES NOT EXCEED

SUPER UNLIMITED

001	EARTHWORK	\$23,550,000
005	HMA PAVING	\$11,100,000 B
012	DRAINAGE	\$34,650,000
014	ELECTRICAL	\$1,600,000
017	CONCRETE CONSTRUCTION	\$22,725,000
018	LANDSCAPING	\$3,175,000
032	COLD MILL, PLAN. & ROTOMILL	\$200,000
034	DEMOLITION	\$1,675,000
036	TUNNEL EXCAVATION	\$125,000
037	EXPRESSWAY CLEANING	\$2,150,000
08A	AGGREGATE BASES & SURF. (A)	\$13,750,000

THIS CERTIFICATE OF ELIGIBILITY IS VALID FROM 3/19/2024 TO 4/30/2025 INCLUSIVE, AND SUPERSEDES ANY CERTIFICATE PREVIOUSLY ISSUED, BUT IS SUBJECT TO REVISION OR REVOCATION, IF AND WHEN CHANGES IN THE FINANCIAL CONDITION OF THE CONTRACTING FIRM OR OTHER FACTS JUSTIFY SUCH REVISIONS OR REVOCATION. ISSUED AT SPRINGFIELD, ILLINOIS ON 3/19/2024.

B Restricted to 1200 tons in any 1 contract (Class I and/or BAM) or as specified by local agency

Engineer of Construction

Description of Work
2025 Northwood Street and Utility and Improvements
Village of Buffalo Grove

The following is a list of streets including limits, lengths, area, and a brief description of work:

Street	From/To	Length	Area
Lilac Lane	Armstrong Drive	1,572 FT (0.298 miles)	4,192 SY
Armstrong Court	Armstrong Drive to End	380 FT (0.0720 miles)	1,013 SY
Pauline Avenue	Weiland Road to Carman Avenue	3,270 FT (0.619 miles)	8,720 SY
Celia Avenue	West Pope Boulevard to Pauline Avenue	635 FT (0.120 miles)	1,639 SY
Margaret Avenue	West Pope Boulevard to Pauline Avenue	635 FT (0.120 miles)	1,639 SY
Eugene Avenue	West Pope Boulevard to Pauline Avenue	635 FT (0.120 miles)	1,639 SY
Clarice Avenue	West Pope Boulevard to Pauline Avenue	635 FT (0.120 miles)	1,639 SY
Horatio Boulevard	West Pope Boulevard to Pauline Avenue	620 FT (0.117 miles)	1,653 SY
Elizabeth Avenue	West Pope Boulevard to Pauline Avenue	620 FT (0.117 miles)	1,653 SY
William Avenue	West Pope Boulevard to Pauline Avenue	620 FT (0.117 miles)	1,653 SY
Florence Avenue	West Pope Boulevard to Pauline Avenue	620 FT (0.117 miles)	1,653 SY
Raphael Avenue	Pauline Avenue to Carman Avenue	720 FT (0.136 miles)	1,920 SY
Carman Avenue	Raphael Avenue to Pauline Avenue	1,182 FT (0.141 miles)	3,152 SY
Totals:		12,144 FT (2.30 miles)	23,445 SY

Utility Improvements. The above street segments will include storm sewer installation, pavement removal, curb and gutter removal and replacement at various locations, detention basin grading and restoration, hot-mix asphalt pavement patching, preparation of base and aggregate base repair, hot-mix-asphalt pavement installation, landscape restoration and other associated improvements.



Check Sheet for Recurring Special Provisions

Local Public Agency

County

Section Number

Village of Buffalo Grove

Cook

☒ Check this box for lettings prior to 01/01/2024.

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

Check Sheet #		Page No.
1	☐ Additional State Requirements for Federal-Aid Construction Contracts	53
2	☐ Subletting of Contracts (Federal-Aid Contracts)	56
3	☐ EEO	57
4	☐ Specific EEO Responsibilities Non Federal-Aid Contracts	67
5	☐ Required Provisions - State Contracts	72
6	☐ Asbestos Bearing Pad Removal	78
7	☐ Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	79
8	☐ Temporary Stream Crossings and In-Stream Work Pads	80
9	☐ Construction Layout Stakes	81
10	☐ Use of Geotextile Fabric for Railroad Crossing	84
11	☐ Subsealing of Concrete Pavements	86
12	☐ Hot-Mix Asphalt Surface Correction	90
13	☐ Pavement and Shoulder Resurfacing	92
14	☐ Patching with Hot-Mix Asphalt Overlay Removal	93
15	☐ Polymer Concrete	95
16	☐ Reserved	97
17	☐ Bicycle Racks	98
18	☐ Temporary Portable Bridge Traffic Signals	100
19	☐ Nighttime Inspection of Roadway Lighting	102
20	☐ English Substitution of Metric Bolts	103
21	☐ Calcium Chloride Accelerator for Portland Cement Concrete	104
22	☐ Quality Control of Concrete Mixtures at the Plant	105
23	☐ Quality Control/Quality Assurance of Concrete Mixtures	113
24	☐ Reserved	129
25	☐ Reserved	130
26	☐ Temporary Raised Pavement Markers	131
27	☐ Restoring Bridge Approach Pavements Using High-Density Foam	132
28	☐ Portland Cement Concrete Inlay or Overlay	135
29	☐ Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	139
30	☐ Longitudinal Joint and Crack Patching	142
31	☐ Concrete Mix Design - Department Provided	144
32	☐ Station Numbers in Pavements or Overlays	145

Local Public Agency	County	Section Number
Village of Buffalo Grove	Cook	

The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

<u>Check Sheet #</u>		<u>Page No.</u>
LRS 1	Reserved	147
LRS 2	☐ Furnished Excavation	148
LRS 3	☒ Work Zone Traffic Control Surveillance	149
LRS 4	☒ Flaggers in Work Zones	150
LRS 5	☒ Contract Claims	151
LRS 6	☒ Bidding Requirements and Conditions for Contract Proposals	152
LRS 7	☐ Bidding Requirements and Conditions for Material Proposals	158
LRS 8	Reserved	164
LRS 9	☐ Bituminous Surface Treatments	165
LRS 10	Reserved	169
LRS 11	☒ Employment Practices	170
LRS 12	☒ Wages of Employees on Public Works	172
LRS 13	☒ Selection of Labor	174
LRS 14	☐ Paving Brick and Concrete Paver Pavements and Sidewalks	175
LRS 15	☒ Partial Payments	178
LRS 16	☒ Protests on Local Lettings	179
LRS 17	☒ Substance Abuse Prevention Program	180
LRS 18	☐ Multigrade Cold Mix Asphalt	181
LRS 19	☐ Reflective Crack Control Treatment	182

BDE SPECIAL PROVISIONS
For the January 17 and March 7, 2025 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the Bureau of Design & Environment (BDE).

File Name	#		Special Provision Title	Effective	Revised
	80099	1	☐ Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2022
	80274	2	☐ Aggregate Subgrade Improvement	April 1, 2012	April 1, 2022
	80192	3	☐ Automated Flagger Assistance Devices	Jan. 1, 2008	April 1, 2023
	80173	4	☐ Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
	80426	5	☐ Bituminous Surface Treatment with Fog Seal	Jan. 1, 2020	Jan. 1, 2022
*	80241	6	☐ Bridge Demolition Debris	July 1, 2009	
*	50531	7	☐ Building Removal	Sept. 1, 1990	Aug. 1, 2022
*	50261	8	☐ Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
	80460	9	☒ Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar	Jan. 1, 2025	
	80384	10	☒ Compensable Delay Costs	June 2, 2017	April 1, 2019
*	80198	11	☐ Completion Date (via calendar days)	April 1, 2008	
*	80199	12	☐ Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80461	13	☐ Concrete Barrier	Jan. 1, 2025	
	80453	14	☐ Concrete Sealer	Nov. 1, 2023	
	80261	15	☒ Construction Air Quality – Diesel Retrofit	June 1, 2010	Jan. 1, 2025
*	80029	16	☐ Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Mar. 2, 2019
	80229	17	☐ Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
	80452	18	☐ Full Lane Sealant Waterproofing System	Nov. 1, 2023	
	80447	19	☒ Grading and Shaping Ditches	Jan. 1, 2023	
	80433	20	☐ Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
	80456	21	☒ Hot-Mix Asphalt	Jan. 1, 2024	Jan. 1, 2025
	80446	22	☐ Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
	80438	23	☐ Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
	80450	24	☐ Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	
	80441	25	☐ Performance Graded Asphalt Binder	Jan. 1, 2023	
	80459	26	☐ Preformed Plastic Pavement Marking	June 2, 2024	
*	34261	27	☐ Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
	80455	28	☐ Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
	80445	29	☐ Seeding	Nov. 1, 2022	
	80457	30	☐ Short Term and Temporary Pavement Markings	April 1, 2024	April 2, 2024
	80462	31	☒ Sign Panels and Appurtenances	Jan. 1, 2025	
	80448	32	☐ Source of Supply and Quality Requirements	Jan. 2, 2023	
	80340	33	☐ Speed Display Trailer	April 2, 2014	Jan. 1, 2022
	80127	34	☐ Steel Cost Adjustment	April 2, 2004	Jan. 1, 2022
	80397	35	☐ Subcontractor and DBE Payment Reporting	April 2, 2018	
	80391	36	☒ Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
	80437	37	☐ Submission of Payroll Records	April 1, 2021	Nov. 2, 2023
	80435	38	☐ Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
*	20338	39	☐ Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
	80429	40	☐ Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
	80439	41	☒ Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
	80458	42	☐ Waterproofing Membrane System	Aug. 1, 2024	
	80302	43	☐ Weekly DBE Trucking Reports	June 2, 2012	Nov. 1, 2021
	80454	44	☐ Wood Sign Support	Nov. 1, 2023	
	80427	45	☒ Work Zone Traffic Control Devices	Mar. 2, 2020	Jan. 1, 2025
*	80071	46	☐ Working Days	Jan. 1, 2002	

Highlighted items indicate a new or revised special provision for the letting.

An * indicates the special provision requires additional information from the designer, which needs to be submitted separately. The Project Coordination and Implementation Section will then include the information in the applicable special provision.

The following special provisions have been deleted from use.

<u>File Name</u>	<u>Special Provision Title</u>	<u>Effective</u>	<u>Revised</u>
80449	Cement, Type IL	Aug. 1, 2023	
80451	Portland Cement Concrete	Aug. 1, 2023	

The following special provisions are in the 2025 Supplemental Specifications and Recurring Special Provisions.

<u>File Name</u>	<u>Special Provision Title</u>	<u>New Location(s)</u>	<u>Effective</u>	<u>Revised</u>
80434	Corrugated Plastic Pipe (Culvert and Storm Sewer)	Articles 542.03, 550.03, 1040.03, 1040.04(b), 1040.04(d) & 1040.08	Jan. 1, 2021	
80443	High Tension Cable Median Barrier Removal	Section 632	April 1, 2022	
80045	Material Transfer Device	Articles 406.03, 406.06(f), 406.13(b), 406.14 & 1102.02	Nov 15, 1999	Jan. 1, 2022
80410	Traffic Spotters	Article 701.13	Jan. 1, 2019	

CEMENT, FINELY DIVIDED MINERALS, ADMIXTURES; CONCRETE, AND MORTAR (BDE)

Effective: January 1, 2025

Revise the first paragraph of Article 285.05 of the Standard Specifications to read:

“285.05 Fabric Formed Concrete Revetment Mat. The grout shall consist of a mixture of cement, fine aggregate, and water so proportioned and mixed as to provide a pumpable slurry. Fly ash or ground granulated blast furnace (GGBF) slag, and concrete admixtures may be used at the option of the Contractor. The grout shall have an air content of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The mix shall obtain a compressive strength of 2500 psi (17,000 kPa) at 28 days according to Article 1020.09.”

Revise Article 302.02 of the Standard Specifications to read:

“302.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Hydrated Lime	1012.01
(d) By-Product, Hydrated Lime	1012.02
(e) By-Product, Non-Hydrated Lime	1012.03
(f) Lime Slurry	1012.04
(g) Fly Ash	1010
(h) Soil for Soil Modification (Note 1)	1009.01
(i) Bituminous Materials (Note 2)	1032

Note 1. This soil requirement only applies when modifying with lime (slurry or dry).

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250.”

Revise Article 312.07(c) of the Standard Specifications to read:

“(c) Cement1001”

Add Article 312.07(i) of the Standard Specifications to read:

“(i) Ground Granulated Blast Furnace (GGBF) Slag1010”

Revise the first paragraph of Article 312.09 of the Standard Specifications to read:

“312.09 Proportioning and Mix Design. At least 60 days prior to start of placing CAM II, the Contractor shall submit samples of materials to be used in the work for proportioning and testing.

The mixture shall contain a minimum of 200 lb (120 kg) of cement per cubic yard (cubic meter). Cement may be replaced with fly ash or ground granulated blast furnace (GGBF) slag according to Article 1020.05(c)(1) or 1020.05(c)(2), respectively, however the minimum cement content in the mixture shall be 170 lbs/cu yd (101 kg/cu m). Blends of coarse and fine aggregates will be permitted, provided the volume of fine aggregate does not exceed the volume of coarse aggregate. The Engineer will determine the proportions of materials for the mixture according to the "Portland Cement Concrete Level III Technician Course" manual. However, the Contractor may substitute their own mix design. Article 1020.05(a) shall apply, and a Level III PCC Technician shall develop the mix design."

Revise Article 352.02 of the Standard Specifications to read:

"352.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement (Note 1)	1001
(b) Soil for Soil-Cement Base Course	1009.03
(c) Water	1002
(d) Bituminous Materials (Note 2)	1032

Note 1. Bulk cement may be used for the traveling mixing plant method if the equipment for handling, weighing, and spreading the cement is approved by the Engineer.

Note 2. The bituminous materials used for curing shall be emulsified asphalt RS-2, CRS-2, HFE 90, or HFE 150; rapid curing liquid asphalt RC-70; or medium curing liquid asphalt MC-70 or MC-250."

Revise Article 404.02 of the Standard Specifications to read:

"404.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003.08
(d) Bituminous Material (Tack Coat)	1032.06
(e) Emulsified Asphalts (Note 1) (Note 2)	1032.06
(f) Fiber Modified Joint Sealer	1050.05
(g) Additives (Note 3)	

Note 1. When used for slurry seal, the emulsified asphalt shall be CQS-1h according to Article 1032.06(b).

Note 2. When used for micro-surfacing, the emulsified asphalt shall be CQS-1hP according to Article 1032.06(e).

Note 3. Additives may be added to the emulsion mix or any of the component materials to provide the control of the quick-traffic properties. They shall be included as part of the mix design and be compatible with the other components of the mix.

Revise the last sentence of the fourth paragraph of Article 404.08 of the Standard Specifications to read:

“When approved by the Engineer, the sealant may be dusted with fine sand, cement, or mineral filler to prevent tracking.”

Revise Note 2 of Article 516.02 of the Standard Specifications to read:

“Note 2. The sand-cement grout mix shall be according to Section 1020 and shall be a 1:1 blend of sand and cement comprised of a Type I, IL, or II cement at 185 lb/cu yd (110 kg/cu m). The maximum water cement ratio shall be sufficient to provide a flowable mixture with a typical slump of 10 in. (250 mm).”

Revise Note 2 of Article 543.02 of the Standard Specifications to read:

“Note 2. The grout mixture shall be 6.50 hundredweight/cu yd (385 kg/cu m) of cement plus fine aggregate and water. Fly ash or ground granulated blast furnace (GGBF) slag may replace a maximum of 5.25 hundredweight/cu yd (310 kg/cu m) of the cement. The water/cement ratio, according to Article 1020.06, shall not exceed 0.60. An air-entraining admixture shall be used to produce an air content, according to Article 1020.08, of not less than 6.0 percent nor more than 9.0 percent of the volume of the grout. The Contractor shall have the option to use a water-reducing or high range water-reducing admixture.”

Revise Article 583.01 of the Standard Specifications to read:

“583.01 Description. This work shall consist of placing cement mortar along precast, prestressed concrete bridge deck beams as required for fairing out any unevenness between adjacent deck beams prior to placing of waterproofing membrane and surfacing.”

Revise Article 583.02(a) of the Standard Specifications to read:

“(a) Cement1001”

Revise the first paragraph of Article 583.03 of the Standard Specifications to read:

“583.03 General. This work shall only be performed when the air temperature is 45 °F (7 °C) and rising. The mixture for cement mortar shall consist of three parts sand to one part cement by volume. The amount of water shall be no more than that necessary to produce a workable, plastic mortar.”

Revise Note 2/ in Article 1003.01(b) of the Standard Specifications to read:

“2/ Applies only to sand. Sand exceeding the colorimetric test standard of 11 (Illinois Modified AASHTO T 21) will be checked for mortar making properties according to Illinois Modified ASTM C 87 and shall develop a compressive strength at the age of 14 days when using Type I, IL, or II cement of not less than 95 percent of the comparable standard.

Revise the second sentence of Article 1003.02(e)(1) of the Standard Specifications to read:

“The test will be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.90 percent or greater.”

Revise the first sentence of the second paragraph of Article 1003.02(e)(3) of the Standard Specifications to read:

“The ASTM C 1293 test shall be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.80 percent or greater.”

Revise the second sentence of Article 1004.02(g)(1) of the Standard Specifications to read:

“The test will be performed with Type I, IL, or II portland cement having a total equivalent alkali content ($\text{Na}_2\text{O} + 0.658\text{K}_2\text{O}$) of 0.90 percent or greater.”

Revise Article 1017.01 of the Standard Specifications to read:

“1017.01 Requirements. The mortar shall be high-strength according to ASTM C 387 and shall have a minimum 80.0 percent relative dynamic modulus of elasticity when tested by the Department according to Illinois Modified AASHTO T 161 or AASHTO T 161 when tested by an independent lab. The high-strength mortar shall have a water-soluble chloride ion content of less than 0.40 lb/cu yd (0.24 kg/cu m). The test shall be performed according to ASTM C 1218, and the high-strength mortar shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. Mixing of the high-strength mortar shall be according to the manufacturer’s specifications. The Department will maintain a qualified product list.”

Revise the fourth sentence of Article 1018.01 of the Standard Specifications to read:

“The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department.”

Revise Article 1019.02 of the Standard Specifications to read:

“1019.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002

- (c) Fine Aggregate for Controlled Low-Strength Material (CLSM) 1003.06
- (d) Fly Ash 1010
- (e) Ground Granulated Blast Furnace (GGBF) Slag..... 1010
- (f) Admixtures (Note 1)

Note 1. The air-entraining admixture may be in powder or liquid form. Prior to approval, a CLSM air-entraining admixture will be evaluated by the Department. The admixture shall be able to meet the air content requirements of Mix 2. The Department will maintain a qualified product list.”

Revise Article 1019.05 of the Standard Specifications to read:

“**1019.05 Department Mix Design.** The Department mix design shall be Mix 1, 2, or 3 and shall be proportioned to yield approximately one cubic yard (cubic meter).

Mix 1	
Cement	50 lb (30 kg)
Fly Ash – Class C or F, and/or GGBF Slag	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2900 lb (1720 kg)
Water	50-65 gal (248-322 L)
Air Content	No air is entrained

Mix 2	
Cement	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2500 lb (1483 kg)
Water	35-50 gal (173-248 L)
Air Content	15-25 %

Mix 3	
Cement	40 lb (24 kg)
Fly Ash – Class C or F, and/or GGBF Slag	125 lb (74 kg)
Fine Aggregate – Saturated Surface Dry	2500 lb (1483 kg)
Water	35-50 gal (179-248 L)
Air Content	15-25 %”

Revise Article 1020.04, Table 1, Note (8) of the Standard Specifications to read:

“(8) In addition to the Type III portland cement, 100 lb/cu yd of ground granulated blast-furnace slag and 50 lb/cu yd of microsilica (silica fume) shall be used. For an air temperature greater than 85 °F, the Type III portland cement may be replaced with Type I, IL, or II portland cement.”

Revise Article 1020.04, Table 1 (Metric), Note (8) of the Standard Specifications to read:

“(8) In addition to the Type III portland cement, 60 kg/cu m of ground granulated blast-furnace slag and 30 kg/cu m of microsilica (silica fume) shall be used. For an air temperature greater than 30 °C, the Type III portland cement may be replaced with Type I, IL, or II portland cement.”

Revise the second paragraph of Article 1020.05(a) of the Standard Specifications to read:

“For a mix design using a portland-pozzolan cement, portland blast-furnace slag cement, portland-limestone cement, or replacing portland cement with finely divided minerals per Articles 1020.05(c) and 1020.05(d), the Contractor may submit a mix design with a minimum portland cement content less than 400 lbs/cu yd (237 kg/cu m), but not less than 375 lbs/cu yd (222 kg/cu m), if the mix design is shown to have a minimum relative dynamic modulus of elasticity of 80 percent determined according to AASHTO T 161. Testing shall be performed by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete.”

Revise the first sentence of the first paragraph of Article 1020.05(b) of the Standard Specifications to read:

“Corrosion inhibitors and concrete admixtures shall be according to the qualified product lists.”

Delete the fourth and fifth sentences of the second paragraph of Article 1020.05(b) of the Standard Specifications.

Revise the third sentence of the second paragraph of Article 1020.05(b)(5) of the Standard Specifications to read:

“The qualified product lists of concrete admixtures shall not apply.”

Revise second paragraph of Article 1020.05(b)(10) of the Standard Specifications to read:

“When calcium nitrite is used, it shall be added at the rate of 4 gal/cu yd (20 L/cu m) and shall be added to the mix immediately after all compatible admixtures have been introduced to the batch. Other corrosion inhibitors shall be added per the manufacturer’s specifications.”

Delete the third paragraph of Article 1020.05(b)(10) of the Standard Specifications.

Revise Article 1020.15(b)(1)c. of the Standard Specifications to read:

“c. The minimum portland cement content in the mixture shall be 375 lbs/cu yd (222 kg/cu m). When the total of organic processing additions, inorganic processing additions, and limestone addition exceed 5.0 percent in the cement, the minimum portland cement content in the mixture shall be 400 lbs/cu yd (237 kg/cu m). For a drilled shaft, foundation, footing, or substructure, the

minimum portland cement may be reduced to as low as 330 lbs/cu yd (196 kg/cu m) if the concrete has adequate freeze/thaw durability. The Contractor shall provide freeze/thaw test results according to AASHTO T 161, and the relative dynamic modulus of elasticity of the mix design shall be a minimum of 80 percent. Testing shall be performed by an independent laboratory accredited by AASHTO as a resource for Portland Cement Concrete. Freeze/thaw testing will not be required for concrete that will not be exposed to freezing and thawing conditions as determined by the Engineer.”

Revise Article 1021.01 of the Standard Specifications to read:

“1021.01 General. Admixtures shall be furnished in liquid or powder form ready for use. The admixtures shall be delivered in the manufacturer's original containers, bulk tank trucks or such containers or tanks as are acceptable to the Engineer. Delivery shall be accompanied by a ticket which clearly identifies the manufacturer, the date of manufacture, and trade name of the material. Containers shall be readily identifiable as to manufacturer, the date of manufacture, and trade name of the material they contain.

Concrete admixtures shall be on one of the Department's qualified product lists. Unless otherwise noted, admixtures shall have successfully completed and remain current with the AASHTO Product Eval and Audit Concrete Admixture (CADD) testing program. For admixture submittals to the Department; the product brand name, manufacturer name, admixture type or types, an electronic link to the product's technical data sheet, and the NTPEP testing number which contains an electronic link to all test data shall be provided. In addition, a letter shall be submitted certifying that no changes have been made in the formulation of the material since the most current round of tests conducted by AASHTO Product Eval and Audit. After 28 days of testing by AASHTO Product Eval and Audit, air-entraining admixtures may be provisionally approved and used on Departmental projects. For all other admixtures, unless otherwise noted, the time period after which provisionally approved status may be earned is 6 months.

The manufacturer shall include the following in the submittal to the AASHTO Product Eval and Audit CADD testing program: the manufacturing range for specific gravity, the midpoint and manufacturing range for residue by oven drying, and manufacturing range of pH. The submittal shall also include an infrared spectrophotometer trace no more than five years old.

For air-entraining admixtures according to Article 1021.02, the specific gravity allowable manufacturing range established by the manufacturer shall be according to AASHTO M 194. For residue by oven drying and pH, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

For admixtures according to Articles 1021.03, 1021.04, 1021.05, 1021.06, 1021.07, and 1021.08, the pH allowable manufacturing range established by the manufacturer shall be according to ASTM E 70. For specific gravity and residue by oven drying, the allowable manufacturing range and test methods shall be according to AASHTO M 194.

All admixtures, except chloride-based accelerators, shall contain a maximum of 0.3 percent chloride by weight (mass) as determined by an appropriate test method. To verify the test result, the Department will use Illinois Modified AASHTO T 260, Procedure A, Method 1.

Prior to final approval of an admixture, the Engineer reserves the right to request a sample for testing. The test and reference concrete mixtures tested by the Engineer will contain a cement content of 5.65 cwt/cu yd (335 kg/cu m). For freeze-thaw testing, the Department will perform the test according to Illinois Modified AASHTO T 161. The flexural strength test will be performed according to AASHTO T 177. If the Engineer decides to test the admixture, the manufacturer shall submit AASHTO T 197 water content and set time test results on the standard cement used by the Department. The manufacturer may select their lab or an independent lab to perform this testing. The laboratory is not required to be accredited by AASHTO.

Random field samples may be taken by the Department to verify an admixture meets specification. A split sample will be provided to the manufacturer if requested. Admixtures that do not meet specification requirements or an allowable manufacturing range established by the manufacturer shall be replaced with new material.”

Revise Article 1021.03 of the Standard Specifications to read:

“1021.03 Retarding and Water-Reducing Admixtures. The admixture shall be according to the following.

- (a) Retarding admixtures shall be according to AASHTO M 194, Type B (retarding) or Type D (water-reducing and retarding).
- (b) Water-reducing admixtures shall be according to AASHTO M 194, Type A.
- (c) High range water-reducing admixtures shall be according to AASHTO M 194, Type F (high range water-reducing) or Type G (high range water-reducing and retarding).”

Revise Article 1021.05 of the Standard Specifications to read:

“1021.05 Self-Consolidating Admixtures. Self-consolidating admixture systems shall consist of either a high range water-reducing admixture only or a high range water-reducing admixture combined with a separate viscosity modifying admixture. The one or two component admixture system shall be capable of producing a concrete that can flow around reinforcement and consolidate under its own weight without additional effort and without segregation.

High range water-reducing admixtures shall be according to AASHTO M 194, Type F.

Viscosity modifying admixtures shall be according to AASHTO M 194, Type S (specific performance).”

Revise Article 1021.06 of the Standard Specifications to read:

“1021.06 Rheology-Controlling Admixture. Rheology-controlling admixtures shall be capable of producing a concrete mixture with a lower yield stress that will consolidate easier for slipform applications used by the Contractor. Rheology-controlling admixtures shall be according to AASHTO M 194, Type S (specific performance).”

Revise Article 1021.07 of the Standard Specifications to read:

“1021.07 Corrosion Inhibitor. The corrosion inhibitor shall be according to one of the following.

(a) Calcium Nitrite. Corrosion inhibitors shall contain a minimum 30 percent calcium nitrite by weight (mass) of solution and shall comply with either the requirements of AASHTO M 194, Type C (accelerating) or the requirements of ASTM C 1582. The corrosion inhibiting performance requirements of ASTM C 1582 shall not apply.

(b) Other Materials. The corrosion inhibitor shall be according to ASTM C 1582.

For submittals requiring testing according to ASTM M 194, Type C (accelerating), the admixture shall meet the requirements of the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01.

For submittals requiring testing according to ASTM C 1582, a report prepared by an independent laboratory accredited by AASHTO re:source for portland cement concrete shall be provided. The report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications. However, ASTM G 109 test information specified in ASTM C 1582 is not required to be from an independent accredited lab. All other information in ASTM C 1582 shall be from an independent accredited lab. Test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall instead be submitted directly to the Department.”

Add Article 1021.08 of the Standard Specifications as follows:

“1021.08 Other Specific Performance Admixtures. Other specific performance admixtures shall, at a minimum, be according to AASHTO M 194, Type S (specific performance). The Department also reserves the right to require other testing, as determined by the Engineer, to show evidence of specific performance characteristics.

Initial testing according to AASHTO M 194 may be conducted under the AASHTO Product Eval and Audit CADD testing program according to Article 1021.01, or by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete. In either case, test data and other information required to be submitted to AASHTO Product Eval and Audit according to Article 1021.01, shall also be submitted directly to the Department. The independent accredited lab report shall show the results of physical tests conducted no more than five years prior to the time of submittal, according to applicable specifications.”

Revise Article 1024.01 of the Standard Specifications to read:

“1024.01 Requirements for Grout. The grout shall be proportioned by dry volume, thoroughly mixed, and shall have a minimum temperature of 50 °F (10 °C). Water shall not exceed the minimum needed for placement and finishing.

Materials for the grout shall be according to the following.

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fine Aggregate	1003.02
(d) Fly Ash	1010
(e) Ground Granulated Blast Furnace (GGBF) Slag.....	1010
(f) Concrete Admixtures	1021”

Revise Note 1 of Article 1024.02 of the Standard Specifications to read:

“Note 1. Nonshrink grout shall be according to Illinois Modified ASTM C 1107.

The nonshrink grout shall have a water-soluble chloride ion content of less than 0.40 lb/cu yd (0.24 kg/cu m). The test shall be performed according to ASTM C 1218, and the grout shall have an age of 28 to 42 days at the time of test. The ASTM C 1218 test shall be performed by an independent lab a minimum of once every five years, and the test results shall be provided to the Department. Mixing of the nonshrink grout shall be according to the manufacturer’s specifications. The Department will maintain a qualified product list.”

Revise Article 1029.02 of the Standard Specifications to read:

“1029.02 Materials. Materials shall be according to the following.

Item	Article/Section
(a) Cement.....	1001
(b) Fly Ash	1010
(c) Ground Granulated Blast Furnace (GGBF) Slag	1010
(d) Water.....	1002
(e) Fine Aggregate.....	1003
(f) Concrete Admixtures	1021
(g) Foaming Agent (Note 1)	

Note 1. The manufacturer shall submit infrared spectrophotometer trace and test results indicating the foaming agent meets the requirements of ASTM C 869 in order to be on the Department’s qualified product list. Submitted data/results shall not be more than five years old.”

Revise the second paragraph of Article 1103.03(a)(4) the Standard Specifications to read:

“The dispenser system shall provide a visual indication that the liquid admixture is actually entering the batch, such as via a transparent or translucent section of tubing or by independent check with an integrated secondary metering device. If approved by the Engineer, an alternate indicator may be used for admixtures dosed at rates of 25 oz/cwt (1630 mL/100 kg) or greater, such as accelerating admixtures, corrosion inhibitors, and viscosity modifying admixtures.”

Revise the first two sections of Check Sheet #11 of the Supplemental Specifications and Recurring Special Provisions to read:

“Description. This work shall consist of filling voids beneath rigid and composite pavements with cement grout.

Materials. Materials shall be according to the following Articles of Division 1000 - Materials of the Standard Specifications:

Item	Article/Section
(a) Cement	1001
(b) Water	1002
(c) Fly Ash	1010
(d) Ground Granulated Blast Furnace (GGBF) Slag.....	1010
(e) Admixtures	1021
(f) Packaged Rapid Hardening Mortar or Concrete	1018”

Revise the third paragraph of Materials Note 2 of Check Sheet #28 of the Supplemental Specifications and Recurring Special Provisions to read:

“The Department will maintain a qualified product list of synthetic fibers, which will include the minimum required dosage rate. For the minimum required fiber dosage rate based on the Illinois Modified ASTM C 1609 test, a report prepared by an independent laboratory accredited by AASHTO re:source for Portland Cement Concrete shall be provided. The report shall show results of tests conducted no more than five years prior to the time of submittal.”

80460

COMPENSABLE DELAY COSTS (BDE)

Effective: June 2, 2017

Revised: April 1, 2019

Revise Article 107.40(b) of the Standard Specifications to read:

“(b) Compensation. Compensation will not be allowed for delays, inconveniences, or damages sustained by the Contractor from conflicts with facilities not meeting the above definition; or if a conflict with a utility in an unanticipated location does not cause a shutdown of the work or a documentable reduction in the rate of progress exceeding the limits set herein. The provisions of Article 104.03 notwithstanding, compensation for delays caused by a utility in an unanticipated location will be paid according to the provisions of this Article governing minor and major delays or reduced rate of production which are defined as follows.

- (1) Minor Delay. A minor delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two hours, but not to exceed two weeks.
- (2) Major Delay. A major delay occurs when the work in conflict with the utility in an unanticipated location is completely stopped for more than two weeks.
- (3) Reduced Rate of Production Delay. A reduced rate of production delay occurs when the rate of production on the work in conflict with the utility in an unanticipated location decreases by more than 25 percent and lasts longer than seven calendar days.”

Revise Article 107.40(c) of the Standard Specifications to read:

“(c) Payment. Payment for Minor, Major, and Reduced Rate of Production Delays will be made as follows.

- (1) Minor Delay. Labor idled which cannot be used on other work will be paid for according to Article 109.04(b)(1) and (2) for the time between start of the delay and the minimum remaining hours in the work shift required by the prevailing practice in the area.

Equipment idled which cannot be used on other work, and which is authorized to standby on the project site by the Engineer, will be paid for according to Article 109.04(b)(4).

- (2) Major Delay. Labor will be the same as for a minor delay.

Equipment will be the same as for a minor delay, except Contractor-owned equipment will be limited to two weeks plus the cost of move-out to either the

Contractor's yard or another job and the cost to re-mobilize, whichever is less. Rental equipment may be paid for longer than two weeks provided the Contractor presents adequate support to the Department (including lease agreement) to show retaining equipment on the job is the most economical course to follow and in the public interest.

- (3) Reduced Rate of Production Delay. The Contractor will be compensated for the reduced productivity for labor and equipment time in excess of the 25 percent threshold for that portion of the delay in excess of seven calendar days. Determination of compensation will be in accordance with Article 104.02, except labor and material additives will not be permitted.

Payment for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be determined according to Article 109.13."

Revise Article 108.04(b) of the Standard Specifications to read:

"(b) No working day will be charged under the following conditions.

- (1) When adverse weather prevents work on the controlling item.
- (2) When job conditions due to recent weather prevent work on the controlling item.
- (3) When conduct or lack of conduct by the Department or its consultants, representatives, officers, agents, or employees; delay by the Department in making the site available; or delay in furnishing any items required to be furnished to the Contractor by the Department prevents work on the controlling item.
- (4) When delays caused by utility or railroad adjustments prevent work on the controlling item.
- (5) When strikes, lock-outs, extraordinary delays in transportation, or inability to procure critical materials prevent work on the controlling item, as long as these delays are not due to any fault of the Contractor.
- (6) When any condition over which the Contractor has no control prevents work on the controlling item."

Revise Article 109.09(f) of the Standard Specifications to read:

- "(f) Basis of Payment. After resolution of a claim in favor of the Contractor, any adjustment in time required for the work will be made according to Section 108. Any adjustment in the costs to be paid will be made for direct labor, direct materials, direct equipment, direct jobsite overhead, direct offsite overhead, and other direct costs allowed by the resolution. Adjustments in costs will not be made for interest charges, loss of anticipated profit, undocumented loss of efficiency, home office overhead and unabsorbed overhead

other than as allowed by Article 109.13, lost opportunity, preparation of claim expenses and other consequential indirect costs regardless of method of calculation.

The above Basis of Payment is an essential element of the contract and the claim cost recovery of the Contractor shall be so limited.”

Add the following to Section 109 of the Standard Specifications.

“109.13 Payment for Contract Delay. Compensation for escalated material costs, escalated labor costs, extended project overhead, and extended traffic control will be allowed when such costs result from a delay meeting the criteria in the following table.

Contract Type	Cause of Delay	Length of Delay
Working Days	Article 108.04(b)(3) or Article 108.04(b)(4)	No working days have been charged for two consecutive weeks.
Completion Date	Article 108.08(b)(1) or Article 108.08(b)(7)	The Contractor has been granted a minimum two week extension of contract time, according to Article 108.08.

Payment for each of the various costs will be according to the following.

- (a) Escalated Material and/or Labor Costs. When the delay causes work, which would have otherwise been completed, to be done after material and/or labor costs have increased, such increases will be paid. Payment for escalated material costs will be limited to the increased costs substantiated by documentation furnished by the Contractor. Payment for escalated labor costs will be limited to those items in Article 109.04(b)(1) and (2), except the 35 percent and 10 percent additives will not be permitted.
- (b) Extended Project Overhead. For the duration of the delay, payment for extended project overhead will be paid as follows.
 - (1) Direct Jobsite and Offsite Overhead. Payment for documented direct jobsite overhead and documented direct offsite overhead, including onsite supervisory and administrative personnel, will be allowed according to the following table.

Original Contract Amount	Supervisory and Administrative Personnel
Up to \$5,000,000	One Project Superintendent
Over \$ 5,000,000 - up to \$25,000,000	One Project Manager, One Project Superintendent or Engineer, and One Clerk
Over \$25,000,000 - up to \$50,000,000	One Project Manager, One Project Superintendent, One Engineer, and

	One Clerk
Over \$50,000,000	One Project Manager, Two Project Superintendents, One Engineer, and One Clerk

(2) Home Office and Unabsorbed Overhead. Payment for home office and unabsorbed overhead will be calculated as 8 percent of the total delay cost.

(c) Extended Traffic Control. Traffic control required for an extended period of time due to the delay will be paid for according to Article 109.04.

When an extended traffic control adjustment is paid under this provision, an adjusted unit price as provided for in Article 701.20(a) for increase or decrease in the value of work by more than ten percent will not be paid.

Upon payment for a contract delay under this provision, the Contractor shall assign subrogation rights to the Department for the Department's efforts of recovery from any other party for monies paid by the Department as a result of any claim under this provision. The Contractor shall fully cooperate with the Department in its efforts to recover from another party any money paid to the Contractor for delay damages under this provision."

80384

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010

Revised: January 1, 2025

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term “equipment” refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted according to the table below.

Horsepower Range	Model Year and Older
50-99	2003
100-299	2002
300-599	2000
600-749	2001
750 and up	2005

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

- a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (<https://www.epa.gov/verified-diesel-tech/verified-technologies-list-clean-diesel>), or verified by the California Air Resources Board (CARB) (<http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm>); or
- b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

GRADING AND SHAPING DITCHES (BDE)

Effective: January 1, 2023

Delete the second paragraph of Article 214.03 of the Standard Specifications.

Delete the second paragraph of Article 214.04 of the Standard Specifications.

80447

HOT-MIX ASPHALT (BDE)

Effective: January 1, 2024

Revised: January 1, 2025

Revise the first and second paragraphs of Articles 1030.06(c)(2) of the Standard Specifications to read:

“(2) Personnel. The Contractor shall provide a QC Manager who shall have overall responsibility and authority for quality control. This individual shall maintain active certification as a Hot-Mix Asphalt Level II technician.

In addition to the QC Manager, the Contractor shall provide sufficient personnel to perform the required visual inspections, sampling, testing, and documentation in a timely manner. Mix designs shall be developed by personnel with an active certification as a Hot-Mix Asphalt Level III technician. Technicians performing mix design testing and plant sampling/testing shall maintain active certification as a Hot-Mix Asphalt Level I technician. The Contractor may provide a technician trainee who has successfully completed the Department's "Hot-Mix Asphalt Trainee Course" to assist in the activities completed by a Hot-Mix Asphalt Level I technician for a period of one year after the course completion date. The Contractor may also provide a Gradation Technician who has successfully completed the Department's "Gradation Technician Course" to run gradation tests only under the supervision of a Hot-Mix Asphalt Level II Technician. The Contractor shall provide a Hot-Mix Asphalt Density Tester who has successfully completed the Department's "Nuclear Density Testing" course to run all nuclear density tests on the job site.”

Revise the second paragraph of Articles 1030.07(a)(11) and 1030.08(a)(9) of the Standard Specifications to read:

“When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be based on the running average of four available Department test results for that project. If less than four G_{mm} test results are available, an average of all available Department test results for that project will be used. The initial G_{mm} will be the last available Department test result from a QMP project. If there is no available Department test result from a QMP project, the Department mix design verification test result will be used as the initial G_{mm} .”

Revise Article 1030.09(g)(2) of the Standard Specifications to read:

“(2) The Contractor shall complete split verification sample tests listed in the Limits of Precision table in Article 1030.09(h)(1).”

In the Supplemental Specifications, replace the revision for the end of the third paragraph of Article 1030.09(h)(2) with the following:

“When establishing the target density, the HMA maximum theoretical specific gravity (G_{mm}) will be the Department mix design verification test result.”

Revise the tenth paragraph of Article 1030.10 of the Standard Specifications to read:

“Production is not required to stop after a test strip has been constructed.”

80456

SIGN PANELS AND APPURTENANCES (BDE)

Effective: January 1, 2025

Revise the third paragraph of Article 720.02 of the Standard Specifications to read:

“Steel support channels shall be according to ASTM A 653 (A 653M) (mild strip), Standard 720001, and galvanized according to AASHTO M 232, Class B 2 after forming.”

Revise the fifth paragraph of Article 720.02 of the Standard Specifications to read:

“The stainless steel banding for mounting signs or sign support channels to light or signal standards shall be according to ASTM A 240 (A 240M) Type 302 stainless steel.”

80462

SUBCONTRACTOR MOBILIZATION PAYMENTS (BDE)

Effective: November 2, 2017

Revised: April 1, 2019

Replace the second paragraph of Article 109.12 of the Standard Specifications with the following:

“This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form BC 260A submitted for the approval of the subcontractor’s work.

Value of Subcontract Reported on Form BC 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%”

80391

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021

Revised: November 1, 2022

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

“The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations.”

80439

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020

Revised: January 1, 2025

Add the following to Article 701.03 of the Standard Specifications:

“(q) Temporary Sign Supports 1106.02”

Revise the third paragraph of Article 701.14 of the Standard Specifications to read:

“For temporary sign supports, the Contractor shall provide a FHWA eligibility letter for each device used on the contract. The letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device. The signs shall be supported within 20 degrees of vertical. Weights used to stabilize signs shall be attached to the sign support per the manufacturer’s specifications.”

Revise the first paragraph of Article 701.15 of the Standard Specifications to read:

“**701.15 Traffic Control Devices.** For devices that must meet crashworthiness standards, the Contractor shall provide a manufacturer’s self-certification or a FHWA eligibility letter for each Category 1 device and a FHWA eligibility letter for each Category 2 and Category 3 device used on the contract. The self-certification or letter shall provide information for the set-up and use of the device as well as a detailed drawing of the device.”

Revise the first six paragraphs of Article 1106.02 of the Standard Specifications to read:

“**1106.02 Devices.** Work zone traffic control devices and combinations of devices shall meet crashworthiness standards for their respective categories. The categories are as follows.

Category 1 includes small, lightweight, channelizing and delineating devices that have been in common use for many years and are known to be crashworthy by crash testing of similar devices or years of demonstrable safe performance. These include cones, tubular markers, plastic drums, and delineators, with no attachments (e.g. lights). Category 1 devices shall be MASH compliant.

Category 2 includes devices that are not expected to produce significant vehicular velocity change but may otherwise be hazardous. These include vertical panels with lights, barricades, temporary sign supports, and Category 1 devices with attachments (e.g. drums with lights). Category 2 devices shall be MASH compliant.

Category 3 includes devices that are expected to cause significant velocity changes or other potentially harmful reactions to impacting vehicles. These include crash cushions (impact attenuators), truck mounted attenuators, and other devices not meeting the definitions of Category 1 or 2. Category 3 devices manufactured after December 31, 2019 shall be MASH compliant. Category 3 devices manufactured on or before December 31, 2019, and compliant

with NCHRP 350, may be used on contracts let before December 31, 2029. Category 3 devices shall be crash tested for Test Level 3 or the test level specified.

Category 4 includes portable or trailer-mounted devices such as sign supports, speed feedback displays, arrow boards, changeable message signs, temporary traffic signals, and area lighting supports. It is preferable for Category 4 devices manufactured after December 31, 2019 to be MASH-16 compliant; however, there are currently no crash tested devices in this category, so it remains exempt from the NCHRP 350 or MASH compliance requirement.

For each type of device, when no more than one MASH compliant is available, an NCHRP 350 compliant device may be used, even if manufactured after December 31, 2019.”

Revise Articles 1106.02(g), 1106.02(k), and 1106.02(l) to read:

“(g) Truck Mounted/Trailer Mounted Attenuators. The attenuator shall be approved for use at Test Level 3. Test Level 2 may be used for normal posted speeds less than or equal to 45 mph.

(k) Temporary Water Filled Barrier. The water filled barrier shall be a lightweight plastic shell designed to accept water ballast and be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings.

(l) Movable Traffic Barrier. The movable traffic barrier shall be on the Department’s qualified product list.

Shop drawings shall be furnished by the manufacturer and shall indicate the deflection of the barrier as determined by acceptance testing; the configuration of the barrier in that test; and the vehicle weight, velocity, and angle of impact of the deflection test. The Engineer shall be provided one copy of the shop drawings. The barrier shall be capable of being moved on and off the roadway on a daily basis.”

80427



Local Public Agency

County

Section Number

Village of Buffalo Grove

Cook

The following Special Provision supplement the "Standard Specifications for Road and Bridge Construction", adopted

January 1, 2022

, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specification and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of the above named section, and in case of conflict with any parts, or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

2025 Northwood Street and Utility Improvements

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General Conditions

1. General Conditions

It is the policy of the Municipality and other governing agencies to set standards for the performance of road and bridge construction. This contract shall expressly adhere to the 'Standard Specifications for Road and Bridge Construction', latest edition, and the 'Standard Specifications for Water and Sewer Main Construction in Illinois', latest edition, unless otherwise specified herein.

2. Scope of Work

The provisions of Article 104.02 of the Standard Specifications are hereby amended as follows: **"The Village of Buffalo Grove (Village) expressly reserves the right to remove from or add to the project any portions thereof included in the 2025 Northwood Street and Utility Improvements. Such reductions or additions, if any, shall be made in writing by the Village prior to execution of the Contract Documents. Any reduction in the scope of work required by the Village prior to the execution of the Contract Documents shall not result in an adjustment to the contract or to the price originally bid."**

3. Definition of Village of Buffalo Grove

All references in the contract relating to the Department, Awarding Authority, Village of Buffalo Grove, Village, etc. shall mean the Village of Buffalo Grove.

4. Utilization Goals of Minority and Women's Business Enterprises

Funding for the Project is required to comply with the State of Illinois Business Enterprise for Minorities, Women, and Persons with Disabilities Act (30 ILCS 575/0.01 et seq.), which establishes a goal for contracting with businesses that have been certified as owned and controlled by persons who are minority, female or who have disabilities. Project shall maintain compliance with the BEP Utilization Plan and shall comply with all reporting requirements.

Responsible bidders must contract a minimum of **28%** of the project or grant contract value to firms certified as MBE, WMBE, WBE, and or WMBE. There is no specific percentage per individual minority or female certified vendors but rather an overall percentage.

Only MBE/WBE contractors/subcontractors/suppliers certified through the State of Illinois' Illinois Commission on Equity and Inclusion's (CEI) Business Enterprise Program (BEP) can count toward meeting the 28% BEP utilization goals for this project. All MBE/WBE registered and/or certified vendors must be identified within the State of IL BEP Supplier Diversity Management Portal website database: (<https://supplierdiversitymanagementportal.illinois.gov/VendorDirectory.aspx>)

A "minority business enterprise" (MBE) is defined as a business concern that is: (1) at least 51% owned, managed and controlled by one or more minority individuals, or, in the case of a publicly owned business, at least 51% of the stock is owned by one or more minority individuals; (2) managed and directed by one or more of the minority OWNERS on a daily basis; and, (3) is certified as such by a certifying entity. The ownership interest must be real and continuous and not created solely to meet the MBE goals of this project.

A "women's business enterprise" (WBE) is defined as a business concern that is: (1) at least 51% owned, managed, operated and controlled by one or more women, or, in the case of publicly owned business, at least 51% of the stock is owned by one or more women; (2) managed and directed by one or more of the women owners on a daily basis; and, (3) is certified as such by a certifying entity. The ownership interest must be real and continuous and not created solely to meet the WBE goals of this project.

5. Compliance With Illinois Works Jobs Program Act

Contractor must comply with requirements in the Illinois Works Jobs Program Act (30 ILCS 559/Art. 20). For Awards with an estimated total project cost of \$500,000 or more, the Contractor will be required to comply with the Illinois Works Apprenticeship Initiative (30 ILCS 559/20-20 to 20-25) and all applicable administrative rules (see 14 Ill. Admin. Code Part 680). The "estimated total project cost" is a good faith approximation of the costs of an entire project being paid for in whole or in part by appropriated capital funds to construct a public work. Contractor must submit a Budget Supplement Form (available on the Illinois Department of Commerce and Economic Opportunity website) to SMC within ninety (90) days of the execution of this Contract. The goal of the Illinois Apprenticeship Initiative is that apprentices will perform either 10% of the total labor hours actually worked in each prevailing wage classification or 10% of the estimated labor hours in each prevailing wage classification, whichever is less. Contractor is permitted to seek a waiver or reduction of this goal in certain circumstances

pursuant to 30 ILCS 559/20-20(b). The Contractor must ensure compliance for the life of the entire project, and will be required to report on and certify its compliance.

6. Clean Construction and Demolition Debris (CCDD) Material Disposal

Work under this item shall be performed in compliance with the Illinois Environmental Protection Agency (IEPA) guidelines in effect at the time of construction.

The Contractor will be required to make all arrangements for coordination and submission of the necessary documents with their chosen CCDD or other suitable disposal facility. Written confirmation of preliminary approval must be provided from the disposal facility and confirmed by the Owner as acceptable.

All surplus, clean material generated from the Contractor's activities must be disposed of at an IEPA permitted CCDD or otherwise acceptable facility. The Contractor is responsible for providing documentation to the Village for each load hauled off-site showing the quantity of material and the location the material was disposed of.

Disposal of clean material not in compliance with these requirements will constitute breach of contract. If the Contractor fails to provide adequate documentation supporting the legal disposal of clean material according to this special provision, the Contractor shall be fined \$1,000 per load of material and will assume all liability associated with material disposed of not in compliance with this special provision.

No extra compensation will be allowed to the Contractor for any expenses incurred complying with these requirements including but not limited to: delays, inconvenience, or interruptions in the work resulting from compliance with these requirements. All costs associated with material disposal shall be included into the appropriate unit bid prices for the work.

7. JULIE Notification

The Contractor shall call the Joint Utility Locating Information for Excavators (JULIE) (1-800-892-0123 or 811), a minimum of forty-eight (48) hours in advance of work being done in the area in accordance with Article 107.39 of the Standard Specifications.

For utilities which are not members, excluding homeowners, the Contractor shall contact the owners directly. The Contractor will be required to cooperate with all utility companies and municipal agencies involved in connection with the removal, temporary relocation, reconstruction or abandonment by these agencies of any and all services.

No additional compensation will be allowed the Contractor for any expense incurred by complying with these requirements, or because of delays, inconvenience or interruptions in his work resulting from the failure of the municipal agencies or utility company to remove, relocate, reconstruct or abandon their services.

8. Notice to Bidders

All bid proposals must be submitted electronically through the Village's Vendor Registry online procurement system. **Hard copy bids will not be accepted.** As read results of the bids will be posted to the Village's webpage, www.vbg.org/bids as soon as possible following the bid opening. In order to submit a bid proposal, bidders

- a. Go to www.vbg.org/bids
- b. Select on the project description, '2025 Northwood Street and Utility and Improvements' and click the large red button at

SUBMIT BID

the top

- c. Log in to your account and enter your total bid.
- d. Include an attachment (up to 200 MB), the following bid documents only:
 - i. Local Public Agency Formal Contract Proposal
 - ii. Schedule of Prices
 - iii. Local Agency Proposal Bid Bond
 - iv. BEP Act Utilization Form
 - v. Utilization of Certified Vendors
 - vi. Good Faith Effort Form
 - vii. Bidder Certification Regarding Steel and or Iron Products
- e. The following documents will be requested by the two (2) as read low bidders immediately following the bid opening:

- i. Affidavit of Illinois Business Office
- ii. Affidavit of Availability
- iii. Village of Buffalo Grove Public Contract Statements
- iv. Illinois Works Apprenticeship Initiative Budget Supplement
- v. Request for Waiver or Reduction of Public Works Project Apprenticeship Goal

All bids will be opened and read publicly via the Microsoft Teams video conferencing platform.

Please join on your computer, mobile app or room device

<https://rb.gy/tbdmus>

Meeting ID: 270 690 159 419

Passcode: aFgp36

9. Village Contractor Registration

Bidders shall be prequalified with the Illinois Department of Transportation in accordance with Article 102.01 of the Standard Specifications and is required by all bidders.

All bidders are required to fully register with the Village of Buffalo Grove, including IRS Form W-9, at:

<https://vrapp.vendorregistry.com/Vendor/Register/Index/buffalo-grove-village-of-il-vendor-registration>

OR

www.vbg.org/bids

Select the link 'Register My Business'

Please contact Vendor Registry at (844) 802-9202 for assistance in the registration process.

The Village of Buffalo Grove reserves the right to reject any or all proposals if the bidder does not comply with the requirements as stated herein.

10. Completion Date

The Contractor shall commence the work to be performed under this contract, 10 days following the execution of the contract. The work shall be prosecuted in such a manner and with such a supply of materials, equipment and labor as considered necessary to ensure its completion according to the time specified in the contract. The Contractor shall substantially complete all work in the contract by **Friday, October 31, 2025**, including landscape restoration and regardless if the Alternate 01 is awarded, as defined in Article 108.04 of the Standard Specifications.

Following substantial completion, the Contractor shall provide the Engineer written notice in accordance with Article 105.13 of the Standard Specifications. The Contractor will have fourteen (14) calendar days to correct any deficiencies following the scheduled final inspection and punch list submittal by the Engineer.

In case of failure to complete the work on time by the interim completion date, final completion date, working days, and/or the deficient punch list items, the provisions of Article 108.09 of the Standard Specifications shall apply, **except regardless of the contract amount, the daily charge shall be \$2,000 per calendar day overrun.**

The estimated Village Board award date for this project is Monday, January 20, 2025 with an anticipated commencement date of Monday, February 24, 2025.

11. Contract Sequencing

The Contractor shall notify the Engineer at least 72 hours in advance of beginning work and 48 hours prior to construction commencement on each subsequent street. Construction operations shall be conducted in a manner such that streets will remain open to all traffic. At no

time shall residents or business owners be kept out of their driveway over a weekend or holiday as defined in Article 107.09 of the Standard Specifications.

Work shall be scheduled so that it is continuous on the various roadways. The Contractor and approved Subcontractor(s) shall, at all times, employ and provide sufficient labor, tools, equipment, multiple mobilizations, and other incidental items for prosecuting the work to full completion in the manner and time required by the contract.

12. Suggested Sequencing Plan

The following is a suggested sequencing plan to execute the proposed improvements. Deviations from this sequencing plan and interim completions should be submitted to the Village prior to the preconstruction meeting for review.

Phase 1 – Basin Excavation

Soil erosion and sediment control measures must be implemented, and basin excavations are to be conducted during the winter months. The Northwood Basin, located south of Pauline Avenue and east of Horatio Boulevard, is planned for over-excavation to provide additional storage capacity as part of the project. Proper drainage of the excavation site will not be feasible until the proposed storm sewer along Pauline Avenue is installed. During this interim period, the Contractor is responsible for all dewatering and pumping activities to maintain a dry working area throughout the winter. The final basin work, including site restoration, must be completed by **May 2, 2025**.

The Ridgewood Pond excavation will also be carried out during this time. Access to the work area will be via Osage Terrace. The basin work must be completed by **May 2, 2025**, with area restoration, including pathway replacement, finalized by **May 16, 2025**.

Phase 1A – Pauline Utility Installation

Storm sewer and water main relocations along Pauline Avenue may commence immediately upon the start of the project. The Contractor is to begin at the two 36" RCP pipes located west of the ComEd right-of-way at the east end of the project and proceed with installing the associated stormwater infrastructure up to the Northwood Basin. Pauline Avenue may be closed to traffic between Carmen Avenue and Florence Avenue during this phase of work, with the closure permitted for a maximum duration of ten (10) weeks. While there is no interim completion date for this task, the detour and closure must not exceed the specified ten-week period, regardless of ongoing work. The Contractor shall coordinate with the Engineer and Village to define the scope and schedule for this closure.

Outside of the full closure period, the Contractor may implement daily road closures in areas where active work is underway. However, the roadway must be reopened to traffic at the end of each workday.

Phase 2 – Roadway Reconstruction

On or around April 1, 2025, the Contractor may begin work on the roadway rehabilitation segments requiring full reconstruction. These segments include Carmen Avenue, Raphael Avenue, Lilac Lane, and Armstrong Court. The Contractor must adhere to the project specifications regarding the timing of resident access, management of the base course, and disturbance limits during this work.

Phase 3 – Pauline West of the Northwood Basin & Township Streets

After completing Phases 1 and 1A, the Contractor may begin utility work west of the Northwood Basin. This work must be coordinated with the Village and Township to ensure proper notification is provided. If Alternate 01 is awarded, this work will occur near the end of the project, following the completion of all other improvements and paving. At their discretion, the Township may undertake driveway culvert replacements and minor ditching work before the contracted work begins.

13. Construction Work Periods

Construction operations shall be completed in accordance with Article 107.09 of the Standard Specifications. All work shall be confined to the period beginning at 7:00 AM and ending at 6:00 PM on weekdays. No work shall be done on Sundays or legal holiday periods as defined in article 107.09 of the Standard Specifications.

No work shall be permitted on Saturday's unless prior written approval is granted by the Village. All requests to work on a Saturday shall be submitted by 4:00 PM, the Wednesday prior to the date requested. If work is allowed, it shall be confined to the period beginning at 8:30 AM to 6:00 PM. The completion date shall be reduced by one (1) full calendar day for each Saturday the Contractor elects to work, regardless if the Saturday worked is a full or partial working day.

Any work outside the allowed time periods in accordance with the Village Ordinance, including but not limited to, material deliveries, mobilization of equipment, warming up machinery, or truck staging, a penalty of \$1,000 per occurrence may be imposed.

14. Pre-Construction Meeting

Prior to commencing any construction operations, there shall be a pre-construction meeting. The Village or Engineer will set the time and date of the meeting following Contract award.

The following shall be submitted by the Contractor for review at the pre-construction meeting:

A Progress Schedule in accordance with Article 108.02.

The 24-hour emergency phone number and contact information of the assigned Contractor's superintendent, or otherwise.

The name and 24-hour emergency phone number of the person in the direct employ of the Contractor who is responsible for administering the Traffic Control and Protection on the Contract

A list of subcontractors with contact information, including but not limited to name, phone number, and email address, and include quantity and type of work to be sublet for each respective subcontractor in accordance with Article 108.01 of the Standard Specifications.

A list of proposed sources of material.

Hot-mix asphalt and concrete mix designs, and respective quality control plans.*

Any applicable shop drawing submittals.*

*Shop drawings and mix designs for concrete and bituminous items to be installed on the project shall be submitted to the Village no less than ten (10) calendar days from the effective notice to proceed dated letter or the scheduled date of the pre-construction meeting, whichever occurs earlier. A monetary penalty of \$500 may be imposed for each required submittal thereafter.

15. Sub-Contracting

Add the following to the end of ARTICLE 108.01 SUBCONTRACTING.

"The apparent low Bidder on a "Request for Approval of a Subcontractor" (BC 260a) form shall submit to the office of Engineer within ten (10) calendar days after the receipt of bids, a list of the names of Bidder's proposed subcontractors along with a description of the work to be performed by each. The Village will then review and reserves the right to reject the use of any subcontractor on the project due to past performance or the apparent inability to properly perform the item of work."

16. Authority of the Engineer

Revise ARTICLE 105.01 AUTHORITY OF ENGINEER to read:

"All work shall be done in accordance with the requirements of the Contract, the Engineer shall have the right, but not the obligation, to observe all work. The Engineer shall decide all questions that arise as to the interpretation of the Plans and Specifications and as to disputes and mutual rights between Contractors under the Specifications. The Engineer shall advise the Village of Buffalo Grove as to the quality and acceptability of materials furnished and work performed, rate of progress of the work, and acceptable fulfillment of the Contract. The Engineer will determine the amount of materials furnished and work performed. The Engineer's advice and determinations shall be conditions precedent to the right of the Contractor to receive money due the Contractor under the Contract."

"The Engineer will notify the Contractor in writing if the work is to be suspended by the Village of Buffalo Grove wholly or in part due to the failure of the Contractor to carry out provisions of the contract; for failure to carry out orders; for such periods due to unsuitable weather; for conditions considered unsuitable for the prosecution of the work or for any other condition or reason deemed to be in the public interest."

"In case of failure on the part of the Contractor to execute work as directed by the Engineer, the Village of Buffalo Grove may, at the expiration of a period of 48 hours after giving notice in writing to the Contractor, proceed to execute such work as may be deemed necessary, and the cost thereof shall be deducted from compensation due or which may become due to the Contractor under the contract."

The Engineer shall not assume any of the responsibilities of the Contractor's superintendent or of subcontractors; shall not expedite the work for the Contractor; and shall not advise on, or issue directions concerning aspects of construction means, methods, techniques, sequences or procedures, or safety precautions in connection with the work.

17. Status of Utilities

Effective: June 1, 2016
Revised: January 1, 2020

Utility companies and/or municipal owners located within the construction limits of this project have provided the following information regarding their facilities and the proposed improvements. The tables below contain a description of specific conflicts to be resolved and/or facilities which will require some action on the part of the Department's contractor to proceed with work. Each table entry includes an identification of the action necessary and, if applicable, the estimated duration required for the resolution.

UTILITIES TO BE ADJUSTED

Conflicts noted below have been identified by following the suggested staging plan included in the contract. The company has been notified of all conflicts and will be required to obtain the necessary permits to complete their work; in some instances, resolution will be a function of the construction staging. The responsible agency must relocate, or complete new installations as noted below; this work has been deemed necessary to be complete for the Department's contractor to then work in the stage under which the item has been listed.

This list represents potential utility conflicts determined by the Design Engineer. A response has not been provided by the responsible agency to-date.

Stage/Location	Type	Description	Responsible Agency
		.	
		.	
		.	

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility. The Design JULIE locate request was submitted on August 30, 2023 by the Design Engineer.

Agency/Company Responsible to Resolve Conflict	Name of Contact	Phone	E-mail address
AT&T/AT&T T-TCG	Bobby Akhter	(630) 390-0089	N/A
AT&T Distribution	Kari Martin	N/A	G11629@ATT.com
Comcast	Martha Gieras	(224) 229-5862	Martha_Gieras@comcast.com
ComEd	Lisa Argast	(630) 437-3381	Lisa.argast@comed.com
Lake County DOT	Linn Garcia	(847) 377-7400	LGarcia@lakecountyiil.gov
Lake County PW	Tony Dupree	(847) 377-7133	TDupree@lakecountyiil.gov
Level 3/Lumen	Leslie Dingman	N/A	Leslie.Dingman@Lumen.com
MCI/Verizon	N/A	N/A	Investigations@verizon.com
Nicor Gas	Sakibul Forah	(630) 388-2903	sforah@southernco.com
North Shore Gas Co	James Massuci	(312) 240-4419	James.massuci@peoplesgasdelivery.com
Vernon Township	Todd Gedville	(847) 634-4600	Todd@vernontownship.com
Village of Buffalo Grove	Ted Sianis	(847) 459-2545	TSianis@vbg.org
Village of Lake Zurich	Mike Brown	(847) 540-1696	Mike.Brown@lakezurich.org
Village of Wheeling	Kyle Goetzelmann	(847) 499-9053	KGoetzelmann@wheelingil.gov
VinakOm Communications	Dicky Patel	(847) 592-5785	Dicky.Patel@vinakom.com
West Shore Pipe Line	Bill O'Malley	(847) 878-3428	N/A

UTILITIES TO BE WATCHED AND PROTECTED

The areas of concern noted below have been identified by following the suggested staging plan included for the contract. The information provided is not a comprehensive list of all remaining utilities, but those which during coordination were identified as ones which might require the Department's contractor to take into consideration when making the determination of the means and methods that would be required to construct the proposed improvement. In some instances, the contractor will be responsible to notify the owner in advance of the work to take place so necessary staffing on the owner's part can be secured.

No facilities requiring extra consideration.

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility. The Design JULIE locate request was submitted on August 25, 2020 by the Design Engineer.

(See previous Contact Information Table above.)

The above represents the best information available to the Department and is included for the convenience of the bidder. The days required for conflict resolution should be considered in the bid as this information has also been factored into the timeline identified for the project when setting the completion date. The applicable portions of the Standard Specifications for Road and Bridge Construction shall apply.

Estimated duration of time provided above for the first conflicts identified will begin on the date of the executed contract regardless of the status of the utility relocations. The responsible agencies will be working toward resolving subsequent conflicts in conjunction with contractor activities in the number of days noted.

The estimated relocation duration must be part of the progress schedule submitted by the contractor. A utility kickoff meeting will be scheduled between the Department, the Department's contractor and the utility companies when necessary. The Department's contractor is responsible for contacting J.U.L.I.E. prior to all excavation work.

18. Maintenance of Roadways and Erosion Control

Beginning on the date that the Contractor begins work on this project, he shall assume responsibility for normal maintenance of all existing roadways and trenches within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the contract documents.

The Contractor shall be required to control dust or air-borne dirt resulting from construction operations by utilizing a mechanical street sweeper on all pavement within or adjacent to the project work zone throughout the duration of the project. The resulting debris shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications. Individual fire hydrant use shall not be permitted to control dust at specific locations. The Contractor shall provide dust control operations daily, throughout the project limits and adjacent streets. At the direction of the Engineer, a professional street sweeper may be requested on a weekly basis or as deemed necessary by the Village or Engineer.

The cost of this work shall be included in the unit prices bid and no additional compensation shall be allowed to control dust as specified herein.

No excavations shall be left open during non-work hours unless approved by the Engineer and adequately protected from the public.

The Contractor will be required over the course of construction to clean inlet filter baskets weekly or prior to a forecasted rain event. Many of the homes in the Village have lower garages and are susceptible to damage when streets flood. The Contractor shall be held liable for any damage to private structures if it is determined that the damage was due to the Contractor's neglect as specified herein. In the event water is not properly running through inlet filter baskets caused by debris, the Village crews may respond to resident calls about street flooding. Any Village expense occurred in labor or materials responding to these calls will be back charged to the Contractor and deducted from a future pay request.

The Contractor will be required to perform erosion control best management practices as listed on the plans, specifications, and details during construction. Discharge of sediment-laden water or construction debris into the storm sewer system or waterways will not be permitted and subjected to a monetary penalty as noted in the monetary penalties general condition. In addition, the Contractor will be responsible for

cleaning all storm sewer systems and waterways to their preconstruction condition to the satisfaction of the Engineer. In the event of an illicit discharge, regardless of blame, the Contractor shall concentrate their work efforts on remedying the situation to correct the deficiency.

The work zone shall be maintained in accordance with Section 701 of the Standard Specifications. Negligence by the Contractor to follow these minimum guidelines that result in or cause damage to Village equipment during snow fall removal or any other similar Village operation will be the direct responsibility of the Contractor to repair. The repair will be completed by the Village and the cost of the repair will be deducted from the next pay request due to the Contractor.

It shall be the Contractor's responsibility to properly store and protect materials and equipment from damage resulting from snow removal and salt application operations. If it is determined by the Village or Engineer that new materials that were supposed to be permanently incorporated in the work were damaged or deemed unacceptable due to the Contractor's negligence to adhere to the above, the unacceptable material shall be removed immediately from the site of the work according to Section 106 of the Standard Specifications and no additional compensation shall be allowed to replace the new materials in-kind.

Within 24 hours following snow removal operations within the project limits, the Contractor shall be required to clean the project site and adjacent roadways of any loose materials that were inadvertently displaced. This includes, but is not limited to, the pavement area, curb line, driveway pavement, sidewalk, and parkways. If the Contractor does not comply with this requirement, a monetary penalty of \$1,000 per calendar day will be imposed for failure to provide the maintenance of roadway in a timely manner.

All operations by the Contractor such as flushing, dewatering, leaking water trucks or equipment, repairs to broken water services or water main, or similar that cause freezing of water on the pavement or sidewalk shall be maintained by salting, sanding or removal of the condition by the Contractor to the satisfaction of the Engineer.

If items of work have not been provided for in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

19. Construction Staging and Maintenance of Base Course

All pavement removal, curb installation, and hot-mix asphalt binder installation shall be completed in accordance with Section(s) 202, 406, 423, 440, and 606 of the Standard Specifications and as specified herein.

Pavement removal and hot-mix asphalt binder course placement shall be staged in a manner to minimize the exposure of vehicular traffic over the existing base course following pavement removal.

No pavement removal operations shall commence if rain is in the forecast within the following five working days. If the Contractor does not follow this requirement, any diskings, drying or undercut operations required by the Engineer to provide a sufficient subbase prior to paving shall be completed by the Contractor at no additional cost to the Village.

Roadways excavated to subgrade and/or subbase material shall have the hot-mix asphalt binder course installed within seven (7) calendar days from the first day of pavement removal on that respective street segment.

There shall be no placement of hot-mix asphalt permitted on scheduled days of refuse pickup. The Contractor shall be responsible for determining the current refuse schedule and incorporating it into their progress schedule accordingly.

No resident shall be without driveway access and no sidewalk shall be barricaded or closed for more than seven (7) calendar days unless specifically listed otherwise in the plans or herein.

Prior to driveway access impediment due to proposed curb and gutter or driveway pavement operations, the Contractor shall be required to deliver resident notification letters approved by the Engineer to each respective residence or business owner notifying them of the day and time they will not be able to get in and out of their driveway. After the new concrete curb has set, the Contractor shall install all required forms for installation of the driveway pavement for inspection by the Engineer. The Contractor is required to install curb and driveway pavement within two (2) calendar days of each other. Example: If the curb is poured on Monday the driveways will be required to be poured on the same day after the curb is set or on Tuesday. If the curb in front of the resident is not being replaced the Contractor shall frame and pour the driveway on the same day. The driveways shall be properly barricaded until the concrete is sufficiently cured. If, at the discretion of the Engineer, the driveway requires that the old aggregate base course be removed and replaced, it shall be completed prior to pouring the new concrete combination curb & gutter or not until after it has been allowed to cure for a minimum of three (3) calendar days, or after the concrete

has reached 2,500 psi as verified by cylinder breaks. Any additional cylinders cast and testing costs associated with this verification shall be included in the cost of the contract. Proposed portland cement concrete sidewalk shall follow the same timeframe as noted above.

If the Contractor does not install proposed concrete curb, driveway pavement, and/or sidewalk in the time frame specified herein, a monetary penalty of \$250 per calendar day will be imposed for each day, and each occurrence the work is not completed.

The Contractor will be required to furnish and install a temporary ramp immediately following pavement removal operations. Each ramp shall be installed the full driveway width of material determined by the Contractor. Each temporary ramp shall be removed prior to paving operations, the resspreading of stone on the base or paving over hot-mix asphalt ramps will not be allowed. If the Contractor fails to install or maintain a temporary ramp in a timely manner, a monetary penalty of \$250 per calendar day will be imposed.

The Contractor shall make themselves aware of the surroundings and of private property. The Village will not tolerate entering private property or driving equipment/vehicles on a driveway within the public right of way to remain for any reason during construction unless prior approval has been granted by the property owner. The Contractor will incur a monetary penalty of \$500 per occurrence as determined by the Engineer for violation of this requirement.

20. Period of Establishment

This work shall include all labor, material, and equipment necessary to furnish and install pulverized topsoil, seed, fertilizer nutrients and Mulch Method 3A in accordance with Sections 211, 250, and 251 of the Standard Specifications and as specified herein.

Pulverized topsoil shall be placed to a maximum depth of four (4) inches and not be placed until the area has been shaped, trimmed, and finished to the lines and grades as directed by the Engineer. All irregularities, depressions, or high points in the surface shall be filled or smoothed out before topsoil is placed. The surface of the topsoil shall be blended to match the existing terrain and adjacent roadway, and be free from clods, stones, sticks, and debris.

The Contractor shall furnish and place the IDOT class of seed specified, and be produced and tested in the current year, be of good quality, and free of weeds. Fertilizer nutrients shall be applied at a 1:1 ratio in accordance with Article 250.04 of the Standard Specifications. Within 24 hours of seed placement, mulch shall be placed by method 3A in accordance with Article 251.03(d) of the Standard Specifications.

It is recommended that the Contractor water the area every other day at a rate of three (3) gallons per square yard, however, it is the sole and exclusive responsibility of the Contractor to make required adjustments to the watering rate or schedule.

To be acceptable for final payment, the landscaped areas shall undergo a 30-day period of establishment beginning on the last day that seed is sowed. During this period, the Contractor shall be responsible for, at no additional cost to the Village, watering, removing weeds and maintaining the seeded areas and repairing any damage to the seeded areas due to but not limited to, errant vehicles, severe weather or all other causes. At the end of the 30-day period of establishment, the Village or Engineer will inspect the landscaped area and if deemed unsatisfactory, the Contractor shall be required to provide means and methods necessary to establish a live, healthy turf area. Should the seed not germinate because of prevailing cool weather, the period of establishment may be adjusted as determined by the Engineer. It shall be the sole and exclusive responsibility of the Contractor, not the Engineer, for maintaining and monitoring the landscape restoration during the period of establishment. If the placed landscape restoration has not been approved by the Village or Engineer sixty (60) calendar days following installation, the Contractor will incur a monetary penalty of \$250 per calendar day.

Upon project completion and expiration of the second period of establishment noted above, any additional failure by the Contractor to achieve a healthy growth of vegetation as defined will be considered failure to complete the project on time and liquidated damages will be applied accordingly.

Planting times shall be performed when the ambient temperature has been between 45°F and 80°F for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.

The Contractor shall provide the Engineer with proper documentation on the landscaping materials supplied to the project such as topsoil source, topsoil certification, fertilizer bags, seed tags, and seed bags.

Upon placement of topsoil, seed, fertilizer nutrients, and mulch, 75 percent of each respective pay item will be paid. Upon final acceptance of the topsoil, seed, fertilizer nutrients, and mulch placed, the remaining 25 percent of each respective pay item will be paid.

The Village may postpone permanent seeding operations if deemed necessary. In such an event, the completion date may be extended accordingly.

21. Protection of Mailboxes

The Contractor shall take all necessary precautions when working near mailboxes within or adjacent to the project limits. If at the Contractor's discretion, a mailbox will interfere with construction operations, a temporary mailbox shall be located per the United States Postal Service requirements and the permanent mailbox reinstalled following said operation. At no time shall a resident be without a mailbox or not receive mail due to a mailbox being removed, replaced or damaged. The Contractor shall replace, at no additional cost to the Village, any mailbox or post which has been damaged by the Contractor's operations due to neglect, misconduct or poor workmanship. The cost of all materials required and all labor necessary to comply with the above Provisions will not be paid for separately, but shall be considered as included in the unit prices bid and no additional compensation will be allowed.

The Contractor shall refer to the mailbox installation detail included in appendix A for installation requirements.

The Contractor must maintain access for both residents and mail carriers to all mailboxes throughout the duration of the project.

22. Saw Cutting

The Contractor shall be required to perform a perpendicularly straight joint by full-depth machine sawing of all proposed items to be removed prior to removal operations to prevent damage or spalling to existing hardscape to remain. Simple or partial depth scoring shall not be permitted. Saw cut locations may or may not be shown on the plans, however, shall be required in the field. All sawcut slurry, regardless of the amount, shall be promptly removed to prevent tracking. Any slurry tracked or left on surfaces to remain shall be thoroughly cleaned or replaced, at the direction of the Village or Engineer, by the Contractor at no additional cost to the Village.

The Contractor shall replace, at no additional cost to the Village, any hardscape, outside of the limit of improvements, damaged by the Contractor's operations due to neglect, misconduct, or poor workmanship.

23. Use of Fire Hydrants

The indiscriminate use of fire hydrants is strictly prohibited. The Contractor can obtain non-potable water in bulk for a charge at Buffalo Grove's self-serve Water Station located at 851 Krause Drive. There is a credit card reader attached to the station for payment. The Contractor shall provide a water truck or containment and driver to obtain and transport the water. If it is determined that the Contractor or its subcontractors operate or use a Village fire hydrant, a monetary penalty of \$1,000 per occurrence that will be imposed.

24. Existing Hardscape

Any damage to existing hardscape from tracked equipment or due to the Contractor's negligence, workmanship, or neglect shall be replaced at the Contractor's expense. It is recommended rubber tired or rubber tracked equipment is used. Any unwarranted disturbance to the existing hardscape to remain will warrant repairs made joint to joint and in conformance with the bid documents with limits specified in the Maintenance Letter of Credit general condition. The Engineer and Village shall determine the limit of removal and replacement operations, and all work shall be completed to the satisfaction of the Engineer.

25. Tree Protection and Preservation

This work shall consist of pruning existing trees, shrubs, or bushes in accordance with Section 201 of the Standard Specifications, except as modified herein.

Breaking off branches of plant material to remain during clearing or construction operations will not be allowed. Preceding any existing tree pruning or trimming operations, the Contractor shall demonstrate that there is no other practical method to complete the work and request permission from the Engineer. All pruning shall be done according to the current ANSI A300 (Part 1) – Pruning Standard.

All branches and foliage pruned or trimmed shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications.

All existing trees larger than 6" in diameter and not specifically designated for removal, which are removed or damaged due to the Contractor's neglect, shall be inspected by the Village Forester or his designated representative. For each infraction that causes damage to a tree, a monetary penalty of \$1,000 may be imposed and the replacement of the damaged tree required, depending on the extent of injury caused.

to each tree. No replacement tree shall have a diameter of less than 3" or more than 6", unless authorized by the Village of Buffalo Grove. All new plantings shall be completed in accordance with Section 253 of the Standard Specifications.

26. Use of the Work Site

The Contractor shall use the Work Site solely to complete the Work and such related activities as may be authorized or directed by the Village. Except as provided herein, Contractor shall not (nor shall Contractor cause or permit any employee or person under Contractor's control) to display or broadcast commercial, political, or religious messages or advertisements of any nature at the Work Site or in connection with the Work. The foregoing shall not be construed to prohibit the following at the Work Site or in connection with the Work: (a) the use of equipment, materials, or other items (e.g. personnel uniforms and clothing) that identify the Contractor (such as by displaying the Contractor's name, logo, slogan, contact information, or similar messages) or that identify the maker or supplier of such equipment, material, or item; or (b) the use or display of signs, flags, cones, traffic control devices, markers, or other similar devices that reasonably relate to the Work, Work Site safety, public safety, or regulatory compliance; or (c) personal speech, religious practice, or expression by any individual performing Work or at the Work Site; or (d) upon written approval or direction of the Village, the display of information regarding the sponsor of the Work or funding sources for the Work.

In addition, Contractor shall not (nor shall Contractor require or permit its personnel, subcontractors, or subcontractors' personnel to) conduct any prohibited political activity at the Work Site or while performing the Work. Contractor and its personnel or subcontractors (including any subcontractor's personnel) shall not intentionally or knowingly use the Work Site or any other property or resources of the Village in connection with any prohibited political activity. For purposes of this section, the term "prohibited political activity" shall have the meaning set forth in Section 5 of the State Officials and Employees Ethics Act, 5 ILCS 430/1-5.

27. Indemnification

To the fullest extent permitted by law, the Contractor agrees to defend, pay on behalf of, indemnify, and hold harmless the Village, its elected and appointed officials, agents, employees and volunteers and others working on behalf of the Village against any and all claims, demands, suits or loss, including all costs connected therewith, and for any damages which may be asserted, claimed or recovered against or from the Village, its elected and appointed officials, agents, employees and volunteers and others working on behalf of the Village, by reason of personal injury, including bodily injury and death, and/or property damage, whether damage to property of the Village or of a third party, including loss of use thereof, which arises out of or is in any way connected or associated with the Contract and the Work.

For this project, the Village also hired a Consultant, Gewalt Hamilton Associates. The Contractor shall indemnify the Consultant in the same manner as the Village, as stated above.

28. Insurance Requirements

12.04.080 - Insurance.

A. Required Coverages and Limits. Unless otherwise provided by franchise, license, or similar agreement, each Contractor occupying right-of-way or constructing any facility in the right-of-way shall secure and maintain the following liability insurance policies insuring the Contractor as named insured and naming the Village, and its elected and appointed officers, officials, agents, and employees and Gewalt Hamilton Associates, Inc. and employees as additional insureds on the policies listed in subsection (A)(1) and (A)(2) of this section:

1. Commercial general liability insurance, including premises-operations, explosion, collapse, and underground hazard (commonly referred to as "X," "C," and "U" coverages) and products-completed operations coverage with limits not less than:
 - a. Five million dollars for bodily injury or death to each person,
 - b. Five million dollars for property damage resulting from any one accident, and
 - c. Five million dollars for all other types of liability;
2. Automobile liability for owned, non-owned and hired vehicles with a combined single limit of one million dollars for personal injury and property damage for each accident;
3. Worker's compensation with statutory limits; and
4. Employer's liability insurance with limits of not less than one million dollars per employee and per accident.

If the Contractor is not providing such insurance to protect the contractors and subcontractors performing the work, then such contractors and subcontractors shall comply with this section.

- B. Excess or Umbrella Policies. The coverages required by this section may be in any combination of primary, excess, and umbrella policies. Any excess or umbrella policy must provide excess coverage over underlying insurance on a following-form basis such that when any loss covered by the primary policy exceeds the limits under the primary policy, the excess or umbrella policy becomes effective to cover such loss.
- C. **Copies Required. The Contractor shall provide copies of any of the policies including all endorsements or certificates required by this section to the Village within ten calendar days following receipt of a written request therefor from the Village.**
- D. Maintenance and Renewal of Required Coverages. The insurance policies required by this section shall contain the following endorsement:
- "It is hereby understood and agreed that this policy may not be canceled nor the intention not to renew be stated until thirty (30) calendar days after receipt by the Village, by registered mail or certified mail, return receipt requested, of a written notice addressed to the Village Manager of such intent to cancel or not to renew."

Within ten (10) calendar days after receipt by the Village of said notice, and in no event later than ten (10) calendar days prior to said cancellation, the Contractor shall obtain and furnish to the Village evidence of replacement insurance policies meeting the requirements of this section.

- E. Self-Insurance. A Contractor may self-insure all or a portion of the insurance coverage and limit requirements required by subsection A of this section. A Contractor that self-insures is not required, to the extent of such self-insurance, to comply with the requirement for the naming of additional insureds under subsection A of this section, or the requirements of subsections B through D of this section. A Contractor that elects to self-insure shall provide to the Village evidence sufficient to demonstrate its financial ability to self-insure the insurance coverage and limit requirements required under subsection A of this section, such as evidence that the Contractor is a "private self-insurer" under the Workers Compensation Act.
- F. Effect of Insurance and Self-Insurance on Contractor's Liability. The legal liability of the Contractor to the Village and any person for any of the matters that are the subject of the insurance policies or self-insurance required by this section shall not be limited by such insurance policies or self-insurance or by the recovery of any amounts thereunder.
- G. Insurance Companies. All insurance provided pursuant to this section shall be effected under valid and enforceable policies, issued by insurers legally able to conduct business with the licensee in the State of Illinois. All insurance carriers and surplus line carriers shall be rated "A-" or better and of a class size "X" or higher by A.M. Best Company.
- H. Verification of Coverage. **Contractor shall furnish the Village with certificates of insurance naming the Village, its officials, agents, employees, and volunteers as additional insured's and with original endorsements, affecting coverage required herein.** The certificates and endorsements for each insurance policy are to be signed by a person authorized by that insurer to bind coverage on its behalf. The certificates and endorsements are to be received and approved by the Village before any work commences. The Village reserves the right to request full certified copies of the insurance policies and endorsements.
- I. Subcontractors. Contractor shall include all subcontractors as insured's under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage's for subcontractors shall be subject to all of the requirements stated herein.
- J. Assumption of Liability. The contractor assumes liability for all injury to or death of any person or persons including employees of the contractor, any subcontractor, any supplier or any other person and assumes liability for all damage to property sustained by any person or persons occasioned by or in any way arising out of any work performed pursuant to the Contract.
- K. Workers' Compensation and Employers' Liability Coverage. The insurer shall agree to waive all rights of subrogation against the Village of Buffalo Grove, its officials, employees, agents and volunteers for losses arising from work performed by Contractor for the municipality.
- L. Failure to Comply. In the event the Contractor fails to obtain or maintain any insurance coverage's required under this contract, The Village may purchase such insurance coverage's and charge the expense thereof to the Contractor.

Nothing contained herein is intended to constitute, nor shall it constitute a waiver of the rights, defenses and/or other immunities provided or available to the Village under law including, but not limited to, the Local Governmental and Governmental Employees Tort Immunity Act.

29. Accidents

In the event of any accident of any kind that involves the general public or property of the Village or a third party, the Contractor shall immediately notify the Village by phone as well as provide Notice of the same. The Notice shall include a full accounting of all details of the accident. The Contractor shall furnish the Village with copies of all reports of such accidents at the same time that the reports are forwarded to any other interested parties.

30. No Assignment

If the Contractor sublets or assigns any part of the Work then the Contractor shall not under any circumstances be relieved of its liabilities hereunder. All transactions of the Village shall be with the Contractor. Subcontractors shall be recognized only in the capacity of employees or workmen and shall be subject to the same requirements as to character and competence. The Contractor shall not assign, transfer, convey, sell or otherwise dispose of the whole or any part of this Contract to any person, firm or corporation without written consent of the Village or authorized representative.

31. Default

The following shall constitute a default an “**Event of Default**” by the Contractor under this Contract:

- A. If the Contractor shall fail to strictly observe or perform one or more of the terms, conditions, covenants and agreements of this Contract;
- B. If there shall be placed on any property owned by the Village any mechanics', materialmens' or suppliers' lien;
- C. If there shall be instituted any proceeding against the Contractor seeking liquidation, dissolution or similar relief and the same shall not be dismissed within forty-five (45) calendar days;
- D. If there shall be appointed any trustee, receiver or liquidator of the Contractor and such appointment shall not have been vacated within forty-five (45) calendar days; and
- E. If the Contractor fails to maintain or obtain any and all permits, licenses and the like, if any, required by the Village, State or Federal governments for the Work.

Upon any Event of Default the Village shall have the option of (i) terminating the Contract; (ii) pursuing any remedy available to it at law or in equity; or (iii) pursuing both simultaneously. In addition, upon an Event of Default, the Village may withhold payments due to the Contractor until it has hired a replacement of the Contractor and deducted all costs of hiring a replacement.

32. Delays

The Contractor shall not be liable in damages for delays in performance when such delay is the result of fire, flood, strike, acts of God, or by any other circumstances which are beyond the control of the Contractor; provided, however, under such circumstances the Village may, at its option, cancel the Contract.

33. Compliance With Laws

The Contractor shall comply with all applicable laws, regulations and rules promulgated by any federal, state, local, or other governmental authority or regulatory body pertaining to all aspects of the Work, now in effect, or which may become in effect during the performance of the Work. The scope of the laws, regulations, and rules referred to in this paragraph includes, but is in no way limited to, the Illinois Human Rights Act, Illinois Equal Pay Act of 2003, Occupational Safety & Health Act along with the standards and regulations promulgated pursuant thereto (including but not limited to those safety requirements involving work on elevated platforms), all forms of traffic regulations, public utility, Interstate and Intrastate Commerce Commission regulations, Workers' Compensation Laws, Public Construction Bond Act, Public Works Preference Act, Employment of Illinois Workers on Public Works Act, USA Security Act, federal Social Security Act (and any of its titles), Prevailing Wages, Steel Products Procurement, Compliance with Business Enterprise Program (BEP), Illinois Works Jobs Program Act, Illinois Works Apprenticeship Initiative, Bribery, Bid Rigging, Forced Labor Act, Goods From Child Labor Act, and any other law, rule or regulation of the Illinois Department of Labor, Department of Transportation, Illinois Environmental Protection Act, Illinois Department of

Natural Resources, Illinois Department of Human Rights, Human Rights Commission, EEOC, and the Village of Buffalo Grove. Notwithstanding the following, the Contractor shall particularly note that:

A. NO DISCRIMINATION - The Contractor shall comply with the provisions of the Illinois Public Works Employment Discrimination Act and the Illinois Human Rights Act/Equal Opportunity Clause which, pursuant to Illinois law, are deemed to be part of this Contract.

B. FREEDOM OF INFORMATION - The Contractor agrees to furnish all documentation related to the Contract, the Work and any documentation related to the Village required under an Illinois Freedom of Information Act (ILCS 140/1 et. seq.) ("FOIA") request within five (5) calendar days after the Village issues Notice of such request to the Contractor. The Contractor agrees to defend, indemnify and hold harmless the Village, and agrees to pay all reasonable costs connected therewith (including, but not limited to attorney's and witness fees, filing fees and any other expenses) for the Village to defend any and all causes, actions, causes of action, disputes, prosecutions, or conflicts arising from Contractor's actual or alleged violation of FOIA or the Contractor's failure to furnish all documentation related to a FOIA request within five (5) calendar days after Notice from the Village for the same. Furthermore, should the Contractor request that the Village utilize a lawful exemption under FOIA in relation to any FOIA request thereby denying that request, Contractor agrees to pay all costs connected therewith (such as attorneys' and witness fees, filing fees and any other expenses) to defend the denial of the request. This defense shall include, but not be limited to, any challenged or appealed denials of FOIA requests to either the Illinois Attorney General or a court of competent jurisdiction.

C. ILLINOIS WORKERS ON PUBLIC WORKS ACT - To the extent applicable, the Contractor shall comply with the Illinois Workers on Public Works Act, 30 ILCS 570/1 et seq., and shall provide to the Village any supporting documentation necessary to show such compliance.

D. NOT A BLOCKED PERSON - The Contractor affirms and covenants that neither the Contractor nor any individual employed by the Contractor for this Work or under this Contract is a person forbidden from doing business with a unit of local government under Executive Order No. 13224 (Sept 23, 2001), 66 Fed.Reg. 49,079 (Sept 23, 2001) or is a person registered on the Specially Designated Nationals and Blocked Persons List. The Contractor shall indemnify the Village from all costs associated with failure to comply with this paragraph.

E. SUBSTANCE ABUSE PREVENTION ON PUBLIC WORKS ACT - The Contractor knows, understands and acknowledges its obligations under the Substance Abuse Prevention on Public Works Act (820 ILCS 265/1 et seq.), and shall comply and require all subcontractors and lower tiered contractors to comply with the requirements and provisions thereof.

F. PREVAILING WAGES - The administration of this contract requires documentation and compliance with the State of Illinois' Prevailing Wages (Davis-Bacon Act) (820 ILCS 130/0.01 et seq.).

G. STEEL PRODUCTS PROCUREMENT (DOMESTIC STEEL) - All iron and steel products, which are to be incorporated into the Work shall be domestically manufactured or produced and fabricated in accordance with Steel Products Procurement (Domestic Steel) (30 ILCS 565 et.seq.).

H. COMPLIANCE WITH BUSINESS ENTERPRISE PROGRAM (BEP) GOAL - The administration of this contract requires documentation and compliance with the State of Illinois' Compliance With Business Enterprise Program (BEP) Goal (30 ILCS 575/0.01; 775 ILCS 5/2-105).

I. ILLINOIS WORKS JOBS PROGRAM ACT - The administration of this contract requires documentation and compliance with the State of Illinois' Illinois Works Jobs Program Act (820 ILCS 130/0.01 et seq.).

J. ILLINOIS WORKS APPRENTICESHIP INITIATIVE - The administration of this contract requires documentation and compliance with the State of Illinois' Illinois Works Apprenticeship Initiative (30 ILCS 559/20-20 to 20-25) with a goal of **ten (10) percent**.

K. BRIBERY - The administration of this contract requires documentation and compliance with the State of Illinois' statute on Bribery (30 ILCS 500/50-5).

L. BID RIGGING - The administration of this contract requires documentation and compliance with the State of Illinois' statute on Bid Rigging (720 ILCS 5/33E-3 or 720 ILCS 5/33E-4).

M. FORCED LABOR ACT - The administration of this contract requires documentation and compliance with the State of

Illinois' Forced Labor Act (30 ILCS 583).

N. GOODS FROM CHILD LABOR ACT – The administration of this contract requires documentation and compliance with the State of Illinois' Goods From Child Labor Act (30 ILCS 584).

34. No Waiver of Rights

A waiver by the Village of any Event of Default or any term of provision of this Contract shall not be a waiver of the same Event of Default, another Event of Default or any other term or provision of this Contract.

35. Termination of the Contract

Voluntary Termination. Notwithstanding any other provision hereof, the Village may terminate this Contract during the Initial Term with or without cause, at any time upon thirty (30) calendar days prior written notice to the Contractor.

Termination for Breach. Either party may terminate this Contract upon written notice to the other party following material breach of a material provision of this Contract by the other party if the breaching party does not cure such breach within fifteen (15) calendar days of receipt of written notice of such breach from the non-breaching party.

36. Controlling Law and Venue

This Contract is entered into in the State of Illinois, for work to be performed in the State of Illinois and shall be governed by and construed in accordance with the laws of the State of Illinois. Any legal matters or dispute shall be resolved in the Circuit Court of Cook County and the Parties hereby submit to the jurisdiction of such Circuit Court. This Contract shall be construed without regard to any presumption or other rule requiring construction against the Party causing the Contract to be drafted.

37. Miscellaneous

- A. AMENDMENT** – This Contract may be amended only in writing executed by both Parties.
- B. NO RECORDING** – This Contract, or a memorandum thereof, may not be recorded in any form by either Party. If either Party records this Contract, or a memorandum thereof, they shall immediately file a release of the same.
- C. SECTION HEADINGS** – The headings in the Contract are intended for convenience only and shall not be taken into consideration in any construction or interpretation of the Contract.
- D. NO THIRD PARTY BENEFICIARIES** – This Contract does not confer any rights or benefits on any third party.
- E. BINDING EFFECT** – This Contract shall be binding and inure to the benefit of the Parties hereto, their respective legal representatives, heirs and successors-in-interest.
- F. ENTIRE AGREEMENT** – This Contract supersedes all prior agreements and understandings and constitutes the entire understanding between the Parties relating to the subject matter hereof.
- G. SEVERABILITY** - If any term, condition or provision of the Contract is adjudicated invalid or unenforceable, the remainder of the Contract shall not be affected and shall remain in full force and effect, to the fullest extent permitted by law.
- H. TORT IMMUNITY DEFENSES** - Nothing contained in this Contract is intended to constitute nor shall constitute a waiver of the rights, defenses, and immunities provided or available to the Village under the Local Governmental and Governmental Employees Tort Immunity Act, 745 ILCS 10 *et seq.*

38. Application For Payment

At least once each month, the Engineer will make a written estimate of the quantity of work performed in accordance with the Contract, and the value thereof at the contract unit prices according to Article 109.02 of the Standard Specifications. For each pay period, the quantity cut off will be the first Saturday of each month. During the second week, the Engineer and Contractor will agree to the quantities completed to-date. The Contractor shall submit an agreed upon invoice electronically to the Engineer by the end of the working day of the third Monday of

the month. The Village will begin their payment process and will result in the review of the payment at the next regularly scheduled Village Board meeting. Prior to the release of payment, the Contractor shall submit electronically, all certified payroll reports, applicable waivers, documentation as required by Illinois Works Job Programs Acts and a notarized and signed clarifying statement for Village Attorney review and subsequent approval. Prior to the release of the check, hard-copies of all applicable waivers and the clarifying statement shall be received by the Village.

All payments under this Contract must be approved by the Village Board at a regularly scheduled meeting. The Village reserves the right to request any receipts, invoices, proof of payments as the Village, in its sole discretion, may deem necessary to justify the payment requested prior to paying the requested payment. A Final Lien Waiver from the Contractor, its subcontractors, and all material suppliers shall be furnished with the final application for payment.

The Contractor acknowledges that the Village is a unit of local government and that all payments under the Contract are subject to the Local Government Prompt Payment Act, 50 ILCS 505 et seq. To that extent, the Village shall have forty-five calendar (45) days from receipt of a bill or invoice to pay the same before it is considered late under the Contract. Interest, if any, charged for any late payments will be subject to the interest rate caps specified in the Prompt Payment Act.

39. Retainage and Waivers

The Village of Buffalo Grove has the option to retain from the amount due to the Contractor a maximum of ten percent (10%) from each pay request. The Contractor may request the retainage be reduced and provide reasoning for such reduction in writing to the Village. The Village has the option to accept or deny the request and shall be considered final. The retainage may be held until the Village determines the project to be final and accepted, at which time any warranty or maintenance period shall commence.

The Contractor shall submit, for each pay request submittal, original partial or final waivers from all subcontractors and material suppliers for the work payment is requested from the Village; trailing waivers will not be permitted. The Village will not remit payment to the Contractor until all original hard-copies of waivers for the work the Contractor is requesting payment for are received and reviewed. To help expedite the process, the Village is willing to review draft waivers after the invoice has been submitted for the pay request. When the draft waivers are reviewed and found acceptable, and the check is cut according to the Village's Warrant schedule, then the check and final waivers can be exchanged accordingly.

40. Certified Payroll Reports

Pursuant to PA 100-1177 the Illinois Department of Labor (IDOL) has activated an electronic database (Payroll Portal) capable of accepting and retaining certified payrolls submitted under the State of Illinois Prevailing Wage Act (820 ILCS/130/1). All contractors and subcontractors completing work for the Village of Buffalo Grove pursuant to the Act must submit all certified payroll through the IDOL Payroll Portal.

The Village is an Illinois unit of local government and the Work hereunder is subject to the Illinois Prevailing Wage Act, 820 ILCS 130/0.01, et seq. Consequently, the Contractor and each subcontractor shall submit with their application for payment(s) the email certification received from their IDOL Payroll Portal submittal with each of their pay requests. Any delay in processing the payments due to a lack of aforementioned email certification shall not be an event of default by the Village and shall not excuse any delay by the Contractor who shall proceed with the Work as if no delay in payment has occurred. The Contractor and Village shall agree to take any further steps not outlined above to ensure compliance with the Prevailing Wage Act. Upon two business days' Notice, the Contractor and each subcontractor shall make available to the Village their records to confirm compliance with the Prevailing Wage Act. Finally, to ensure compliance with Prevailing Wage Act, the Contractor and each subcontractor shall keep for a period of not less than 5 years after the Work has been completed records of all laborers, mechanics, and other workers employed by them for the Work; the records shall include each worker's name, address, telephone number, classification or classifications, the hourly wages paid in each period, the number of hours worked each day, the starting and ending times of work each day and, when available, last four digits of the social security number. The Contractor shall provide a list of every name, address, phone number and email of every sub-contractor for the Work.

If the contractor must submit the payroll to the Village of Buffalo Grove for reasons outside of their control, the Village requests that the Contractor submit all certified payroll reports, including subcontractors, and EEO reporting be sent electronically in separate files for each respective Contractor/subcontractor with the weeks ending date in the file name to amdow@vbg.org (i.e. Contractor Name Week Ending.pdf) as shown in the sample letter in Exhibit D.

The Contractor is responsible for providing all records in accordance with the Illinois Department of Labor's (IDOL) requirements pertaining to the Prevailing Wage Act on the standard IDOL form. Only the last four (4) digits of the employee's social security number will be required; the remaining digits shall be "X" or redacted. To complete the certified payroll request for release of payment, the Contractor must supply a

signed and notarized written statement that all necessary documentation has been turned over for the pay period pertaining to that payment requested.

Under P.A. 98-0328, the public body must retain copies of the certified payroll for 5 years rather than 3 years as was the case previously. The Illinois Department of Labor (IDOL) has created model certified payroll forms which can be found at the IDOL website www.illinois.gov/idol. The new form consists of three pages identified as the "certified transcript of payroll affidavit" and "certified transcript of payroll instructions". The new forms on the IDOL website can be filled in online and then printed out. Under P.A. 98-0482, contractors and subcontractors will have to provide additional information with respect to working hours, wage rates, overtime rates and fringe benefits. The IDOL's model certified payroll forms are the most current forms for compliance with P.A. 98-0482 and should be used in public works contracts.

41. Monetary Penalties

All work shall be completed in accordance with the Contract Documents in a reasonable and timely manner. For each occurrence that work is not completed in a reasonable and timely manner, a monetary penalty will be deducted from the final pay application. The Contractor shall make themselves and all subcontractors aware of the following deficiency and deductions:

Description	Penalty	Per Occurrence
Failure to Sweep Roadway	\$250	Calendar Day
Failure to Maintain Trench	\$250	Calendar Day
Failure to Adhere to Period of Establishment Requirements	\$250	Calendar Day
Distributing Unapproved Resident Notices	\$100	Household
Failure to Distribute Notices in a Timely Manner	\$100	Household
Failure to Distribute Notice to Resident	\$100	Household
Failure to Provide Access in a Timely Manner	\$250	Household/Occurrence Per Day
Failure to Provide Weekly Update to Engineer/Maintain Schedule	\$1,000	Per Occurrence
Failure to Attend a Scheduled Weekly Meeting	\$1,000	Per Occurrence
Failure to Respond in a Timely Manner to a Resident	\$250	Calendar Day
Failure to Ramp Roadway or Driveway	\$250	Household/Roadway Per Day
Use of Fire Hydrant or Valve	\$1,000	Each
Failure to Provide Maintenance of Roadway in a Timely Manner as Determined by the Engineer	\$1,000	Calendar Day
Entering Private Property	\$500	Per Occurrence
Failure to Provide Portable Facilities	\$100	Calendar Day
Illicit Discharge of Silt or Construction Debris	\$1,000	Per Occurrence
Failure to Submit Shop Drawings on Time	\$500	Per Occurrence
Failure to Maintain Erosion and/or Sediment Control Devices	\$1,000	Per Occurrence
Working Outside Allowable Work Hours	\$1,000	Per Occurrence

At the discretion of the Engineer and without notice, the Contractor shall have deducted the monetary penalty amount as listed above for each occurrence on the final pay application.

42. Weekly Progress Meeting and Schedule Updates

The Contractor will be required to provide weekly schedule updates with the anticipated schedule for the following week by 3:00PM every Thursday starting ten (10) calendar days after contract execution and continuing until the project is formally accepted by the Village. The Contractor will be required to submit an initial weekly schedule update with the anticipated schedule the Thursday prior to construction commencement; if the Contractor fails to submit this initial notice, no work shall be permitted to begin. The weekly progress update shall be emailed to the Resident Engineer and Village project representative. The Contractor shall make every effort to maintain the schedule within one (1) calendar day of delay, excluding weather or unforeseen circumstances. Failure to maintain the schedule may result in a monetary penalty of \$1,000 per calendar day if it is determined that substantial effort to maintain the schedule is not made.

If, at the discretion of the Village or Engineer, a mandatory weekly progress meeting may be scheduled to coordinate anticipated work. This meeting will be held on Thursday following receipt of the weekly progress update. If the Contractor fails to attend a mandatory weekly meeting requested by the Village or Engineer a monetary penalty of \$1,000 per occurrence will be imposed.

43. Public Notification

The Contractor shall be required to provide and distribute letters to residents or business owners anytime access will be affected to a home or utility service is interrupted. Letters shall be typed on standard 8.5" x 11" paper and an envelope may or may not be used. All letters, including those written and distributed by a subcontractor, shall be printed on the General Contractor's letterhead and include the name, address, and telephone number of the General Contractor's person in charge.

Letters shall be taped to a non-painted surface using painters tape or approved equal, and will be placed in as many locations as needed to ensure they will be visible to residents. Distributing letters via mailbox is discouraged, however, must be compliant with all United States Postal Service federal regulations. Notification letters shall include, but is not limited to, the following information:

- Exact day and time work is to begin that will affect access (weather permitting).
- How the resident will know they may resume normal access to their property.
- The anticipated length of the closure (no more than one week will be permitted).
- Specific location where parking is permitted, both overnight and during the working day (as signed and normally permitted during daytime).
- The Village of Buffalo Grove Police Department has been notified that overnight parking will be permitted. (It shall be the responsibility of the Contractor to confirm this with the Village.)
- The Contractor will go door-to-door the moment prior to work is to begin to ensure all accommodations are made.
- General Contractor's person in charge name and contact information for additional information or specific requests.
- If applicable, provide Resident flushing procedures (following reconnection of the water service, resident to flush inside of the house via the bath or utility sink for ten minutes prior to consumption).

Notification letters shall be distributed a minimum of 24 hours prior to access being affected or otherwise. If this requirement is not met, work shall not commence. **All letters must be approved by the Village or Engineer prior to and for each individual distribution occurrence.** Additional letters may be required when weather or other unforeseen circumstances change the schedule. When requested, the Contractor is required to return or provide correspondence from a resident within 24 hours.

Under special circumstances, the Village may choose to write a notification letter and the Contractor shall still be responsible for delivering the letter as specified herein. An example of a resident notification letter can be found in Appendix A.

The Contractor must comply with all of the above-mentioned statements otherwise a monetary penalty of \$100 per household, per calendar day shall be imposed.

44. Maintenance Letter of Credit

The Contractor will be required to post a Letter of Credit for a period of One Year (1-yr) from date of final acceptance by the Village. Final acceptance will be the date the Final Payment is made to the Contractor. The Letter of Credit shall be in a form acceptable to the Village in the amount of 10% (ten percent) of the awarded contract value. Unless under emergency situations the Village will offer the Contractor the ability to fix or repair any item prior to drawing from the Letter of Credit. If the Contractor elects to perform the repairs themselves all work must be complete within 14 calendar days of notice from the Village or the Village reserves the right to perform the repairs themselves.

The Letter of Credit shall cover all necessary repairs or replacements as deemed necessary by the Village due to poor workmanship, failed materials, any settlement, excessively spalled, chert popped or cracked concrete, storm, sanitary and water main failures, restoration establishment, and other items as completed by the Contractor under the Contract.

All required pavement repairs shall be from curb line to the nearest cold joint. Pavement repairs shall have all joints routed and filled with crack seal material including along the edge of pavement 30 calendar days after installation.

If the Contractor elects to not perform the repairs or does not perform them in the time allotted the Village will perform the work and collect from the Letter of Credit any damages incurred by the Village to perform the repairs.

45. Water and Sewer Services

The Village of Buffalo Grove will not locate private water and sewer service lines as part of the JULIE notification system. The property owner is the owner of these services from the building to the main and are exempt from the JULIE system.

The Contractor is fully responsible for protecting all utilities near or in their excavation area and shall make themselves fully aware of the exact location of each utility; marked or not marked. The Contractor may elect to locate any and all utilities marked or unmarked, at their expense. Repeated damage to service lines will need to be repaired from the main to the right-of-way as directed by the Engineer. The Contractor shall be responsible for repairs to all damaged utilities incurred as determined by the Village or Engineer.

All repairs to damaged water and sewer service lines shall be completed with material equal to, including size, of the existing service. Connections of dissimilar materials shall be made with stainless steel non-shear mission couplings or appropriate flare couplings for water services. All fittings for copper water service lines shall be of the "flare" type regardless of temporary or permanent use. Any damage to existing water service lines during construction shall be repaired with the existing main under pressure. The Contractor shall have a crimping tool and e-z out or freeze kit on-site to make repairs as required. Repair of service lines in this manner shall only be performed on lines that will be abandoned as part of this project, if applicable.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. This work shall not be paid for separately and no additional cost incurred will be the responsibility of the Village.

46. Earth Excavation

All earth excavation required to complete this project to the proposed lines, grades, and cross sections shall be in accordance with Section 202 of the Standard Specifications. Earth excavation will not be paid for separately but shall be included in the cost of the item requiring the excavation. All surplus excavated material shall be disposed of off-site in accordance with Article 202.03 of the Standard Specifications.

47. Final Site Inspection

After the Contractor has submitted the notice of final completion to the Village, the Contractor shall schedule a final site inspection with the Village and Engineer. The Contractor shall provide a laborer or Contractor's representative for the final inspection that will be responsible for the following:

1. Open and inspect all existing and newly installed storm structures, sanitary structures, and valve vaults.
2. Key all hydrant auxiliary boxes and operate the valve.
3. Key all b-box's and operate the valve.
4. Key all valves and operate the valve.
5. Review general site cleanliness and condition of landscaping, curb, sidewalk, pavement, etc.

Upon completion of the final site inspection, the Engineer will provide the Contractor a list of any deficiencies documented. The Contractor will have fourteen (14) calendar days to correct any deficiencies following the scheduled final inspection and punch list submittal by the Engineer.

48. Permits and Licenses

The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work in accordance with Article 107.04 of the Standard Specifications. No work shall be performed until all applicable permit requirements are fulfilled.

The following permits shall be applicable to this Contract:

- ~~Illinois Environmental Protection Agency — Division of Public Water Supplies~~

49. Red Line As-Builts

This work shall consist of supplying red line as-builts of the installed utility improvements including but not limited to rim, inverts, top of pipe elevations, service locations, vertical offsets, underdrain installations, and other underground utilities.

The as-builts shall have red marks and installed elevations wherever on the engineering drawings a proposed grade, structure, invert or any other proposed item is shown. All elevations shall be recorded on the NAVD 88 datum, consistent with the plans. The as-builts shall be submitted to the Village in red marked PDF file on the issued for construction drawings.

As-builts with insufficient recorded information will be rejected. As-builts must be turned in with the Contractors notice of completion. Failure to submit as-builts with the notice of completion will begin to trigger liquidated damages after the project completion date or when working days have been exhausted. This work shall not be paid for separately but shall be considered included in the cost of the Contract.

Special Provisions

1. Clearing and Grubbing

This work shall include all labor, material, and equipment necessary to remove and dispose of all obstructions marked by the Engineer in accordance with Section 201 and 202 of the Standard Specifications and as specified herein.

Clearing shall consist of the removal and disposal of all obstructions such as loose garbage, accumulations of rubbish of whatever nature and existing structures, the removal of which is not otherwise provided for in Article 501.05; all logs, shrubs, stumps, bushes, saplings, grass, weeds, other underbrush vegetation and stumps of a diameter less than 6 in.

All saplings, bushes and roots shall be removed to a depth of not less than 12 in. below the elevation of the subgrade, the finished grade surface, or the ground line, and at least below the bottom of the subbase material.

Materials shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per lump sum for CLEARING AND GRUBBING, which shall include all labor, material, and equipment required to complete the work as specified herein.

2. Cofferdam

This work shall include all labor, material, and equipment necessary to design, construct, maintain, and remove temporary cofferdams at locations shown on the Engineering plans in accordance with Section 502 of the Standard Specifications and as specified herein.

Cofferdams shall consist of watertight enclosures constructed of non-erodible materials such as steel sheets, aqua barriers, large sand bags, rip rap and geotextile fabric, etc. Earthen cofferdams will not be permissible. The cofferdam must be constructed from the upland area and no equipment may enter the water at any time.

The Contractor shall submit drawings showing the proposed design, method of construction, removal, as well as other details left open to choose, if other than the cofferdam detail on the Engineering plans. The plan shall include the construction sequence including staging, dewatering methods, erosion and sediment control measures, disposal of excavated material, effluent water control measures, backfilling, and the best management practices to prevent reintroduction of excavated material into the aquatic environment.

Cofferdams shall be constructed to allow the passage of high flows, maintain downstream flows, and withstand anticipated erosive forces. Cofferdams shall be designed and installed so as not to impede the movement of aquatic organisms. All dewatering activities shall be included in the cost of this item.

The Contractor shall be responsible for the planning and execution of all dewatering or bypass pumping operations sufficient to avoid illegal discharge into waterways. The pump and bypass line shall be of adequate capacity and size to handle the dewatering or bypass pumping. The intake hose shall be placed on a stable surface or floated to prevent sediment from entering the hose. The discharge shall be placed on a non-erodible, energy dissipating surface prior to rejoining the pond slow and shall not cause erosion. Filtering of bypass water is not necessary unless the bypass water has become sediment-laden as a result of a current construction activity.

Possible options for sediment removal shall include baffle systems, anionic polymer systems, dewatering bags, or other appropriate methods. Discharged water is considered clean if it does not result in a visually identifiable degradation of water clarity.

This work will be measured in place and paid for at the contract unit price per foot (FT) for COFFERDAM, which shall include all labor, material, and equipment required to complete the work as specified herein.

3. Earth Excavation

This item shall include all labor, material, and equipment necessary to excavate, transport, and dispose of suitable, unsuitable, or restricted-use excavated material in accordance with Section 202 of the Standard Specifications and as specified herein.

This item will only be measured and paid for within the basin excavation areas. All other earth excavation within the project limits shall be included in the cost of the item requiring excavation as outlined herein in General Condition 45.

At the request of the Village, suitable excavated material may be transported and disposed of within the Village limits at a location specified by the Village. Any surplus material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per cubic yard (CY) for EARTH EXCAVATION (HAUL OFF) or EARTH EXCAVATION (VILLAGE LIMITS), which shall include all labor, material, and equipment required to complete the work as specified herein.

4. Trench Backfill, Coarse Aggregate, CA-11 (Special)

This item shall include all labor, material, and equipment necessary to furnish and place coarse aggregate trench backfill material in accordance with Section 208, 550, and 1004 of the Standard Specifications and as specified herein.

The material used for this item shall be exclusively IDOT certified Class B coarse aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. All aggregate must be crushed, rounded aggregate will not be permitted. The backfill material shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180.

The material for the final course of aggregate (14" from the finish pavement elevation) shall be Aggregate Base Course, Type B. This final course of material will be measured and paid for as AGGREGATE BASE COURSE, TYPE B (SPECIAL) as described herein and may be repurposed for all other work requiring this type of material except it will be paid for only once. No additional payment will be considered for relocating or removing this material after initial placement.

This work will be measured in place and paid for at the contract unit price per cubic yard (CY) for TRENCH BACKFILL, COARSE AGGREGATE, CA-11 (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

5. General Landscape Restoration (Special)

This work shall include all labor, material, and equipment necessary to furnish, place, and maintain pulverized topsoil, seed, fertilizer nutrients, and Mulch Method 3A in accordance with Section(s) 211, 250, and 251 of the Standard Specifications and as specified herein.

Pulverized topsoil shall be placed to a maximum depth of four (4) inches and not be placed until the area has been shaped, trimmed, and finished to the lines and grades as directed by the Engineer. All irregularities, depressions, or high points in the surface shall be filled or smoothed out before topsoil is placed. The surface of the topsoil shall be blended to match the existing terrain and adjacent hardscape, and be free from clods, stones, sticks, and debris.

The Contractor shall furnish and place IDOT Class 1A salt tolerant lawn mixture, produced and tested in the current year, be of good quality, and free of weeds. Nitrogen and potassium fertilizer nutrients shall be applied at a 1:1 ratio in accordance with Article 250.04 of the Standard Specifications (phosphorus is not permitted). Within 24 hours of seed placement, mulch shall be placed by method 3A in accordance with Article 251.03(d) of the Standard Specifications.

It is recommended that the Contractor water the area every other day at a rate of three (3) gallons per square yard, however, it is the sole and exclusive responsibility of the Contractor to make required adjustments to the watering rate or schedule.

To be acceptable for final payment, the landscaped areas shall undergo a 30-day period of establishment beginning on the last day that seed is sowed. During this period, the Contractor shall be responsible for, at no additional cost to the Village, watering, removing weeds and maintaining the seeded areas and repairing any damage to the seeded areas due to but not limited to, errant vehicles, severe weather or all other causes. At the end of the 30-day period of establishment, the Owner or Engineer will inspect the landscaped area and if deemed unsatisfactory, the Contractor shall be required to provide means and methods necessary to establish a live, healthy turf area. Should the seed not germinate because of prevailing cool weather, the period of establishment may be adjusted as determined by the Engineer. It shall be the sole and exclusive responsibility of the Contractor, not the Engineer, for maintaining and monitoring the landscape restoration during the period of establishment. If the placed landscape restoration has not been approved by the Owner or Engineer sixty (60) calendar days following installation, the Contractor will incur a monetary penalty of \$250 per calendar day.

Planting times shall be performed when the ambient temperature has been between 45°F and 80°F for a minimum of seven (7) consecutive days and is forecasted to be the same for the next five (5) days according to the National Weather Service.

The Contractor shall provide the Engineer with proper documentation on the landscaping materials supplied to the project such as topsoil source, topsoil certification, fertilizer bags, seed tags, and seed bags.

Upon placement of topsoil, seed, fertilizer nutrients, and mulch, 75 percent of each respective pay item will be paid. Upon final acceptance of the topsoil, seed, fertilizer nutrients, and mulch placed, the remaining 25 percent of each respective pay item will be paid.

The Village may postpone permanent seeding operations if deemed necessary. In such an event, the completion date may be extended accordingly.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for GENERAL LANDSCAPE RESTORATION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

6. Temporary Landscape Restoration (Special)

This work shall include all labor, material, and equipment necessary to furnish, install, maintain, and remove temporary landscape restoration in accordance with Section(s) 211, 250, and 251 of the Standard Specifications and as specified herein.

Any restoration work completed outside of the planting times as defined by Article 250.07 of the Standard Specifications will be considered temporary and will be paid for separately.

At the direction of the Engineer, the Contractor will be required to mow the temporary grass as part of the temporary landscape work and it is anticipated that the Contractor will be required to mow every two (2) weeks. The Contractor will have 48-hours following written notice by the Engineer to complete mowing operations as requested. Failure to mow when requested will result in a monetary penalty of \$1,000 per day until the mowing has been completed.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for TEMPORARY EROSION CONTROL SEEDING (SPECIAL), TEMPORARY MULCH METHOD 3A (SPECIAL), and per each (EA) for MOWING, which shall include all labor, material, and equipment required to complete the work as specified herein.

7. Aggregate Base Course, Type B Varies (Special)

This work shall include all labor, material, and equipment necessary to furnish and place aggregate base courses on a prepared subgrade or subbase in accordance with Section(s) 311 and 351 of the Standard Specifications and as specified herein.

This work includes all new aggregate base course material for proposed roadway base course, aggregate base repair, front fill for new concrete curb and gutter, temporary aggregate, capping stone in trenches and subbase granular material for sidewalk and driveway pavement, at the depths specified on the Engineering plans.

The material used for this item shall be exclusively IDOT certified Class B coarse aggregate material meeting the gradation of CA-6 in accordance with Section 1004 of the Standard Specifications. Mixing of aggregate from multiple sources is strictly prohibited. If it is determined that a different source is required for any reason, the new material must be approved by the Engineer prior to delivery or placement, and shall occur roadway to roadway. Crushed concrete may not be used for roadway base course or aggregate base repair. At the direction of the Engineer, crushed concrete may be used for driveway and sidewalk subbase granular material but shall be supplied from an IDOT approved source and material.

All aggregate shall be compacted to 95% modified proctor density conforming to ASTM D-1557 or AASHTO T-180.

This work will be measured in place and paid for at the contract unit price per ton (TN) for AGGREGATE BASE COURSE, TYPE B VARIES (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

8. Subbase Granular Material, Type B

This work shall include all labor, material, and equipment necessary to furnish and place aggregate base courses on a prepared subgrade or subbase in accordance with Section(s) 311 and 351 of the Standard Specifications and as specified herein.

This work includes all new aggregate base course material for the proposed combination curb and gutter.

The material used for this item shall be washed stone and exclusively IDOT certified Class B course aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. Crushed concrete shall not be permitted.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for SUBBASE GRANULAR MATERIAL, TYPE B, CA-11, 4" (SPECIAL), which price shall include all labor, materials, and equipment required to complete the work as specified herein.

9. Hot-Mix Asphalt Leveling Binder, Binder Course, and Surface Course (Special)

This work shall include all labor, material, and equipment necessary to furnish and place hot-mix asphalt, of the type specified, in accordance with Section 406 of the Standard Specifications and as specified herein.

The type of mix specified is commonly known as 'MURPHY MIX'.

Hot-Mix Asphalt Mixtures: The Contractor shall submit mix designs, for approval, for each required mixture, at least one week in advance of scheduled placement.

Surface: N-50 Hot Mix Asphalt 9.5-mm Surface Course Mix "C or D" and Leveling Binder.

The AJMF during production shall have a minimum of 40% passing on the #8 sieve and still meet IDOT volumetric requirements.

Binder: N-50 Hot-Mix Asphalt 19.0-mm Binder Course Mix 'B'.

The AJMF during production shall have a minimum of 40% passing on the #4 sieve and still meet IDOT volumetric requirements.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS:

Item	AC Type Overlay	AC Type Full Depth	Air Voids
Hot-Mix Asphalt Surface Course, Mix "C/D", N50	PG 58-22 / 58-28*	PG 58-28 / 46-34*	3.5% @ 50 GYR
Leveling Binder (Machine Method), N50	PG 58-22 / 58-28*	PG 58-28 / 46-34*	3.5% @ 50 GYR
Hot-Mix / Asphalt Binder Course, IL-19, N50	PG 58-22 / 58-28*	PG 58-28 / 46-34* PG 58-28 when below 4" in depth	3.5% @ 50 GYR

1. All production shall trend about 3.5% Air Voids.
2. Re-proportioning (within SSRBC adjustments allowed) of IDOT verified mix designs may be allowed and the Contractor must submit these values for a review by the Engineer at least one week prior to the first day of production.
3. One field TSR test by the Contractor will be required to validate changes.
4. The AJMF submitted and during production shall meet remaining IDOT volumetric requirements.
5. When Asphalt Binder Replacement (ABR) exceeds 15%, the new asphalt binder in the mix shall be changed as noted above. No more than 30% ABR and no more than 2.0% Reclaimed Asphalt Shingles (RAS) shall be allowed in the asphalt.

Hot Mix Asphalt Construction

1. Tack coat all longitudinal joints (hot and cold) and curb faces.
2. Pneumatic tired roller is required on all lifts, all mixes, except surface courses.
3. Auger extensions are required on all lifts, all mixes.
4. Reverse augers must be installed properly.
5. Roll (compact) the confined and curb line longitudinal joint by overlapping by 6" from the hot to cold side of mat and / or curbing.
6. Paving of the full roadway width shall be completed at the end of each day. Longitudinal joints shall be closed daily and within one truck load of HMA to prevent cold joints. Any violation shall require saw cutting edge back 3" to expose straight edge, shall be tack coated twice, and will be straight and uniform.
7. The Village may consider allowing a full road closure with detours at the Contractors request in order to allow for full width surface

paving to facilitate this requirement on 24' wide roads. However, detour and/or additional traffic control devices will be at Contractors expense.

8. Asphalt along the curb line shall be compacted such that the asphalt is 1/4" above the flag of gutter.
9. Temporary ramps, regardless of material, shall be removed prior to placement of the next pavement course.
10. Any compromises of 16' ski or 1/4" gutter flag exposure shall be brought to the engineers attention and discussed. Failure to do so may result in repairs at the Contractors expense.

This work will be measured in place and paid for at the contract unit price per ton (TN) for HOT-MIX ASPHALT BINDER COURSE (SPECIAL), HOT-MIX ASPHALT SURFACE COURSE (SPECIAL), or per square yard (SY) for HOT-MIX ASPHALT DRIVEWAY PAVEMENT, of the depth specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

10. Detectable Warnings (Furnished by Others)

This work shall include all labor, material, and equipment necessary to place furnished detectable warning plates at locations shown on the Engineering plans in accordance with Section 424 of the Standard Specifications and as specified herein.

The Village of Buffalo Grove will furnish 24"x24" and 24"x30" detectable warning plates. The Contractor shall coordinate the retrieval of materials from the Department of Public Works Facility at 51 Raupp Boulevard from 7 AM to 3 PM, a minimum of 48 hours in advance of when the plates will be needed.

Cutting of the detectable warning plates will only be allowed in accordance with the manufacturer's recommendation. The cutting of two panels to develop a radius will not be permitted.

This work will be measured in place and paid for at the contract unit price per square foot (SF) for DETECTABLE WARNINGS (FURNISHED BY OTHERS), which shall include all labor, material, and equipment required to complete the work as specified herein.

11. Portland Cement Concrete Median

This work shall include all labor, material, and equipment necessary to construct concrete island pavement at locations shown on the Engineering plans in accordance with Section 606 of the Standard Specifications and as specified herein.

Proposed concrete island pavement shall be placed monolithically with the new curb and gutter. Transverse joints in the concrete curb shall prolongate to the island pavement and be of the same type, except that dowel bars or tie bars will not be required.

The exposed surface shall be finished smooth and even, and given a light brush finish while the concrete is still workable. The edges shall be rounded with approved finishing tools having a similar radii to sidewalk.

The proposed island pavement material shall be portland cement concrete in accordance with Section 1020 of the Standard Specifications and shall have polyurethane coated fiber in the mix. The fiber shall be mixed in the concrete at a rate of 1.5 lbs per cubic yard of concrete at the ready mix plant. Mixing of the concrete and fibers shall not be permitted on the project site.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for PORTLAND CEMENT CONCRETE MEDIAN, of the depth specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

12. Pavement Removal

This work shall include all labor, material, and equipment necessary to completely remove the existing pavement as marked by the Engineer in accordance with Section 440 of the Standard Specifications.

Pavement removal shall be defined as asphalt or concrete pavement including asphalt or concrete base course, overlays, pozzolanic material, and aggregate or stabilized subbase material to the depth specified in the contract documents.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for PAVEMENT REMOVAL (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

13. Driveway Pavement Removal

This work shall include all labor, material, and equipment necessary to remove existing driveway pavement as marked by the Engineer in accordance with Section 440 of the Standard Specifications and as specified herein.

Driveway material type may include, but is not limited to, aggregate of various gradation, portland cement concrete and hot-mix asphalt pavements. The Contractor shall form a perpendicularly straight joint by full-depth machine sawing at the proposed limit of improvements to prevent surface spalling. The Contractor shall immediately replace, at no additional cost to the Village, any driveway pavement, outside of the limit of improvements or adjacent panels, damaged by the Contractor's operations due to neglect, misconduct or poor workmanship.

The limit of improvements for portland cement concrete driveway pavement shall follow an existing perpendicular joint pattern or as determined by the Engineer.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for DRIVEWAY PAVEMENT REMOVAL (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

14. Class D Patches

This work shall include all labor, material, and equipment necessary to complete the removal and replacement of hot-mix asphalt pavement and/or aggregate subbase material, of the type and depth specified, where marked by the Engineer in accordance with Section 442 of the Standard Specifications and as specified herein.

The hot-mix asphalt mixture requirements shall be in accordance with the special provision, HOT-MIX ASPHALT LEVELING BINDER, BINDER COURSE, AND SURFACE COURSE (SPECIAL).

For the patches that are marked as SPECIAL, These pavement patches shall be considered 'finish' or 'surface' patches and the final replacement material and depth shall be in accordance with the Hot-Mix Asphalt Mixture Requirements table as described herein and Section 1030 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for CLASS D PATCHES, of the type and depth specified, or CLASS D PATCHES, of the type and depth specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

15. Concrete Headwall

This work shall include all labor, material, and equipment necessary to construct concrete headwalls at locations shown on the Engineering plans in accordance with Section 601 of the Standard Specifications and as specified herein.

Concrete headwalls shall be constructed by either cast-in-place with Class SI concrete according to the applicable portions of Section 503, or shall be precast according to Section 1042. If a precast unit is used, the pipe shall be grouted and sealed to the headwall opening. The grout mixture shall be one part cement and two parts sand mixed with water. The headwalls shall be placed so that there is a six percent minimum slope on the invert. The uppermost point of the headwall shall be placed flush with the pipe slope. The earth side slopes adjacent to the headwall shall then be shaped to conform to the sides and toe of the headwall.

Unsuitable material and suitable material in excess of that required for backfilling shall be disposed of off-site by the Contractor according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each for CONCRETE HEADWALL (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

16. Joint Ties for Concrete Pipe

This item shall include all labor, material, and equipment necessary to furnish and install joint ties for concrete pipe storm sewer systems in accordance with Section 550 of the Standard Specifications and as specified herein.

The steel threaded rod, eye bolts, sleeve nuts, hex nuts, and washers, shall meet the requirements of ASTM A 307. They shall be zinc-coated according to AASHTO M 232 or AASHTO M 298, Class 50. The galvanized coat shall be a maximum of 6 mils thick.

The steel cast-in-place inserts shall be zinc-coated according to AASHTO M 232, AASHTO M 298, Class 50 with galvanizing not to exceed 6 mils, or ASTM B633 SC 3.

The joint ties shall be installed according to the LCDOT standard LC5402 Joint Ties for Concrete Pipe, included herein. The typical joint tie placement shall be two (2) per joint for the first three joints from and including the flared end section.

This work will be measured in place and paid for at the contract unit price per each for JOINT TIES FOR CONCRETE PIPE, which shall include all labor, material, and equipment required to complete the work as specified herein.

17. Storm Vault

This item shall include all labor, material, and equipment necessary to complete the installation of a storm vault in accordance with Section 550 and 551 of the Standard Specifications, the applicable detail shown on the Engineering plans and as specified herein.

The Contractor shall furnish and place precast or cast-in-place structures generally meeting the dimensions and angles of the applicable details shown on the Engineering plans. Prior to the manufacturing of each respective structure, the Contractor shall submit to the Engineer, a shop drawing designed and stamped by an Illinois licensed Structural Engineer. It is the Contractors responsibility to determine the actual sizing of the structures based on actual field conditions and pipe sizes that are ordered for the work.

If the Contractor elects to cast these structures in the field, all rebar shall be epoxy coated.

This work will be measured in place and paid for at the contract unit price per each (EA) for STORM VAULT, of the number specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

18. Water Main

This item shall include all labor, material, and equipment necessary to furnish and construct ductile iron water main, of the diameter specified in accordance with Section 561 of the Standard Specifications, Section 41 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

Water Main:

All water main bolts and nuts for all MJ connections, hydrants, valves, and other appurtenances shall have bolts manufactured with A304 stainless steel and all nuts and washers shall be manufactured with series 300 stainless steel.

All bends, fittings and accessories required for installation of the water main as specified and shown on the plans shall be included in the cost of water main.

Open Cut Installation:

The requirements of Section 40-2.01 of the Standard Specifications for Water and Sewer Construction in Illinois are modified as follows: Water Main shall be cement lined ductile iron pipe with "push on" single gasket joints and shall be thickness class 52. The pipe shall conform to ANSI A-21.51 and ANSI A-21.4, and AWWA C104 with joints meeting ANSI A-21.11. Fittings shall be ductile iron, 250 psi pressure rating, cement lined, with restrained push-on joints and shall meet ANSI A-21.10.

Mega-Lug retainer glands shall be required at all connections of ductile iron water main with bends, tees, crosses, reducers and other fittings.

No deflection of pipe will be allowed unless specified on the plans or approved in writing by the Engineer.

Vertical offsets shown on the plans will not be paid for separately but shall be included in the linear foot price of the water main.

All joints within the IDOT Right of Way shall be restrained type.

All testing and chlorination shall conform to Sections 41-2.12 and 41-2.13 of the Standard Specifications for Water and Sewer Construction in Illinois AWWA C651-14 and the requirements of the Municipality.

Water mains and water services within 3' of the water main shall be polyethylene encased as described in ANSI/AWWA C105.A21.5 and ANSI/AWWA C600. The polyethylene wrap shall be installed as shown by the Ductile Iron Pipe Research Association publication "Polyethylene Encasement Installation Guide".

Pressure and Leakage Testing of Water Mains:

Pressure testing of the water mains shall be in accordance with Section 41-2.12 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein. Water main shall be subjected to a minimum hydrostatic pressure test of 150 pounds per square inch (psi) for a period of not less than two (2) hours. The maximum allowable leakage will be that stated in section 41-2.14C the Standard Specifications for Water and Sewer Construction in Illinois. In addition, the hydrostatic pressure shall not drop more than five (5) psi during the test.

Chlorination of Water Mains:

Disinfection of water mains shall be performed according to AWWA C651-14 and section 41-2.15 of the Standard Specifications for Water and Sewer Construction in Illinois. Where conflicts between the above requirements exist, the more restrictive requirement shall govern or as approved by the Engineer

Chlorine shall be applied by the use of (1) liquid chlorine only. All work as listed shall be included with this pay item.

This work will be measured in place and paid for at the contract unit price per foot (FT) for WATER MAIN, of the diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

19. Water Main Removal

This work shall include all labor, material, and equipment necessary to remove and dispose of existing water main, of the diameter specified, at locations shown on the Engineering plans in accordance with Section 551 of the Standard Specifications and as specified herein.

Excavation of trenches shall be performed according to the applicable requirements of Article 550.04. Trench backfill for water main removal will be measured for payment according to Article 208.03, except an addition will be made for one-half of the volume of the pipe removed. Materials resulting from the removal of existing water main shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per foot (FT) for WATER MAIN REMOVAL, of the diameter specified, which price shall include all labor, material, and equipment required to complete the work as specified herein.

20. Pipe Underdrains

This work shall include all labor, material, and equipment necessary to furnish and install pipe underdrains in accordance with Section 601 of the Standard Specifications and as specified herein.

Pipe underdrains shall be installed behind the back of curb per the detail shown on the Engineering plan from each existing storm sewer structure for fifty (50) feet in each parallel direction. Pipe bends and fittings shall be required for radii $\leq 50'$.

The aggregate backfill material and fabric sock, as specified in the Engineering plans and as specified herein, shall be included in the cost of this pay item, regardless of the depth of pipe underdrain. When connecting a proposed underdrain to an existing storm sewer structure, a new hole shall be machine cored with a maximum six (6) inch diameter, circular hole. Cutting a new pipe opening by any other method shall not be permitted.

The pipe material used for this item shall be exclusively perforated PVC SDR 26, of the diameter specified, conforming to ASTM D-3034 pipe standards with rubber gasket joints conforming to ASTM D-3212.

This work will be measured in place and paid for at the contract unit price per foot (FT) for PIPE UNDERDRAINS, of the size specified, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

21. Drainage Structures

This work shall include all labor, material, and equipment necessary to furnish and install rectangular drainage structures, of the size specified, at locations shown on the Engineering plans in accordance with Section 602 of the Standard Specifications and as specified herein.

The drainage structures shall be precast reinforced concrete sections of the internal size specified. The wall and bottom thickness shall be a minimum of six (6) inches with reinforcement bars conforming to ASTM A-706 Grade 60.

The frame and grate shall be exclusively East Jordan 7030.

This work will be measured in place and paid for at the contract unit price per each (EA) for DRAINAGE STRUCTURES, of the size and frame and grate type specified, which price shall include all labor, material, and equipment required to complete the work as specified herein.

22. Combination Concrete Curb and Gutter

This work shall include all labor, material, and equipment necessary to construct concrete curb, and combination concrete curb and gutter, of the type specified, as marked by the Engineer in accordance with Section 606 of the Standard Specifications and as specified herein.

The Contractor shall closely match the existing concrete curb and gutter style type of the adjacent existing curb and gutter. This work shall include the installation of two #4 continuous reinforcing bars as shown on the Engineering plans along the full length of the new curb and gutter. At points where the proposed concrete curb and gutter abuts existing concrete, two #4 smooth epoxy coated dowel-bars shall be installed at 24" on center. The depth of the proposed concrete gutter shall match the existing adjacent depth, but not less than nine (9) inches.

The material used for this item shall be exclusively portland cement concrete in accordance with Section 1020 of the Standard Specifications and shall have polyurethane coated fiber in the mix. The fiber shall be mixed in the concrete at a rate of 1.5 lbs per cubic yard of concrete at the ready mix plant. Mixing of the concrete and fibers shall not be permitted on the project site.

This work will be measured in place and paid for at the contract unit price per foot (FT) for CONCRETE CURB, of the type specified, and, COMBINATION CONCRETE CURB AND GUTTER, of the type specified, (SPECIAL) which shall include all labor, material, and equipment required to complete the work as specified herein.

23. Drainage and Utility Structures to be Adjusted

This work shall include all labor, material, and equipment necessary to adjust existing drainage and utility structures in accordance with Section 602 and 603 of the Standard Specifications and as specified herein.

This shall include existing drainage and utility structures which are to be adjusted to proposed grade where two (2) feet or less of masonry will be either added, removed, or rebuilt to bring the specified casting to the finished grade of the proposed improvements.

Adjustment ring material type and method shall be in accordance with Exhibit No. 109 Materials List, as specified herein. Bricks, aggregate, lathe, or any other organic material shall not be used as shim materials or otherwise.

The new frames and grates or lids shall be furnished in accordance with Exhibit No. 109 Materials List, as specified herein.

The existing frame and grates or lids shall be salvaged and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED (SPECIAL) or DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED WITH, new frame and grate or lid specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

24. Drainage and Utility Structures to be Removed

This work shall include all labor, material, and equipment necessary to remove and dispose of existing drainage and utility structures at locations shown on the Engineering plans and as specified herein.

Drainage and utility structures shall be removed in their entirety. The existing frame and grates or lids shall be salvaged and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

The Contractor shall coordinate delivery of materials with the Department of Public Works a minimum of 48-hours prior to delivery of the materials noted above.

The open excavation shall be backfilled with approved excavated materials. At the Contractors discretion to prevent future settlement, trench backfill material may be used at the Contractors expense as specified herein.

This work will be measured in place and paid for at the contract unit price per each (EA) for DRAINAGE AND UTILITY STRUCTURES TO BE REMOVED (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

25. Storm Drain Removal

This work shall include all labor, material, and equipment necessary to remove and dispose of existing storm drains within the basins or at locations shown on the Engineering plans and as specified herein.

Storm drain structures shall be removed in their entirety. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

The Contractor shall coordinate delivery of materials with the Department of Public Works a minimum of 48-hours prior to delivery of the materials noted above.

The open excavation shall be backfilled with approved excavated materials. At the Contractors discretion to prevent future settlement, trench backfill material may be used at the Contractors expense as specified herein.

This work will be measured in place and paid for at the contract unit price per each (EA) for STORM DRAIN REMOVAL, which shall include all labor, material, and equipment required to complete the work as specified herein.

26. Connect Into Existing Drainage Structure

This work shall include all labor, material, and equipment necessary to complete the connection of the proposed storm sewer to the existing storm structure at locations shown on the Engineering plans and as specified herein.

The existing structure wall shall be machine cored with a circular bit to a distance not to exceed three (3) inches beyond the outside circumference of the new pipe. If required by the Engineer, the existing bench shall be modified to accept the new pipe.

This work will be measured in place and paid for at the contract unit price per each (EA) for CONNECT INTO EXISTING DRAINAGE STRUCTURE (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

27. Frames and Lids to be Adjusted, Type 1, Closed Lid (Sanitary)

This work shall include all labor, material, and equipment necessary to furnish and install frames and lids, of the type specified, at locations shown on the Engineering plans in accordance with Section 604 of the Standard Specifications and as specified herein.

The Contractor shall remove any existing internal or external chimney seal and install a new external chimney seal in accordance with ASTM C-923, and be produced and supplied by Cretex Specialty Products, or approved equal. The external chimney seal shall be installed per the manufacturer's recommendation.

The structure shall be brought flush to the surrounding elevation with new adjustment rings. Adjustment ring material type and method shall be in accordance with Exhibit No. 109 Materials List, as specified herein. Bricks, aggregate, lathe, or any other organic material shall not be used as shim materials or otherwise.

The lid shall be cast iron with the word 'Sanitary' imprinted and embossed with 'Village of Buffalo Grove, and have concealed pick holes and watertight gaskets installed in accordance with Section 604 of the Standard Specifications.

The existing frame and lid shall be salvaged and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for FRAMES AND LIDS, of the type specified, which price shall include all labor, material, and equipment required to complete the work as specified herein.

28. Sanitary Manholes to be Reconstructed

This work shall include all labor, material, and equipment necessary to reconstruct existing sanitary manholes in accordance with Section 602 and 603 of the Standard Specifications and as specified herein.

This shall include existing manholes which are to be reconstructed to proposed grade where more than two (2) feet of masonry will be either added, removed, or rebuilt to bring the specified casting to the finished grade of the proposed improvements.

The exterior of barrel sections shall have a bituminous coating per ANSI A 21.4 (AWWA C104) applied and cured prior to backfilling of the structure.

Adjustment ring material type and method shall be in accordance with Exhibit No. 109 Materials List, as specified herein. Bricks, aggregate, lathe, or any other organic material shall not be used as shim materials or otherwise. The units shall be sealed with external sealing bands, preformed flexible joint sealant or mastic joint sealer, and shall be watertight. An external chimney seal shall be furnished in accordance with ASTM C-923 and installed according to the manufacturer's recommendation.

The new frames and lids shall be furnished in accordance with Exhibit No. 109 Materials List, as specified herein. The lid shall be cast iron with the word 'Sanitary' imprinted and embossed with 'Village of Buffalo Grove, and have concealed pick holes and watertight gaskets installed in accordance with Section 604 of the Standard Specifications.

The existing frame and lid shall be salvaged and delivered to the Village of Buffalo Grove Public Works yard or at a location determined by the Village. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for SANITARY MANHOLES TO BE RECONSTRUCTED WITH, new frame and grate or lid specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

29. Storm Sewer Connection

This work shall include all labor, material, and equipment necessary to complete the connection of the proposed storm sewer to the existing storm sewer at locations shown on the Engineering plans and as specified herein.

All connections to existing storm sewer shall be made with appropriately sized non-shear mission couplings conforming to ASTM C-1173-91. All fittings, accessories and shear rings shall be 316 grade stainless steel in accordance with ASTM A-167-91.

This work will be measured in place and paid for at the contract unit price per each (EA) for STORM SEWER CONNECTION (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

30. Plug Existing Storm Sewer

This work shall include all labor, material, and equipment necessary to excavate, expose, and plug existing storm sewer pipe at locations shown on the Engineering plans in accordance with Section 605 of the Standard Specifications and as specified herein.

The existing pipe shall be exposed, and the Contractor form a perpendicularly full-depth straight cut.

Surplus excavated material shall be disposed of off-site according to Article 202.03 of the Standard Specifications. Pipe ends shall be plugged with a minimum of two (2) feet long brick and mortar plugs to prevent infiltration into the abandoned pipe.

After the concrete or mortar has set, the excavation shall be backfilled with aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. Pavement, sidewalk, or driveway removal and trench backfill material shall be paid for under each applicable contract pay item.

This work will be measured in place and paid for at the contract unit price per each (EA) for PLUG EXISTING STORM SEWER, of the diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

31. Adjusting Water Service Line

This work shall include all labor, material, and equipment necessary to adjust copper water service lines, regardless of the diameter, in accordance with Section 562 of the Standard Specifications, Section 41 of the Standard Specifications for Water and Sewer Construction in Illinois, applicable Special Provisions in the original contract documents and as specified herein.

This item shall be used, when determined by the Engineer, where existing water service lines conflict with the proposed utility improvements. The water service line shall be removed and replaced at a determined elevation that eliminates the known conflict.

The replacement service line shall be one continuous length (no couplings in the new copper piping will be allowed) and be of sufficient length to allow for some movement for trench settling after placement of the backfill material. The Engineer shall inspect each new water service line prior to backfill operations.

Trench backfill required for excavations to make connections under sidewalks or driveways will be paid for separately.

The Contractor shall refer to the Village of Buffalo Grove Materials List in Appendix A for all material requirements. All work as listed and as shown on the plan and details shall be included with this pay item. All fittings for copper service lines shall be of the "flare" type regardless of temporary or permanent use.

This work will be measured in place and paid for at the contract unit price per foot (FT) for ADJUSTING WATER SERVICE LINE, which shall include all labor, material, and equipment required to complete the work as specified herein.

32. Adjusting Sanitary Sewer Service Line

This work shall include all labor, material, and equipment necessary to adjust existing sanitary sewer service lines at the direction of the Engineer in accordance with Section 563 of the Standard Specifications and as specified herein.

This item shall be used, when determined by the Engineer, where existing sanitary sewer service lines conflict with the proposed utility improvements. The sewer services shall be removed and replaced to a length that will eliminate the conflict and provide positive slope to the existing main. This work shall include the removal of existing sewer pipe, and all fittings and couplings required to complete the work. .

The material used for this item shall be exclusively PVC SDR 26, of the diameter specified, conforming to ASTM D-2241 pipe standards with rubber gasket joints conforming to ASTM D-3139, F-477.

All connections to existing sewer shall be made with appropriately sized non-shear mission couplings conforming to ASTM C-1173-91. All fittings, accessories and shear rings shall be 316 grade stainless steel in accordance with ASTM A-167-91.

The trench shall be backfilled, and included in the cost of this item, with IDOT certified Class B course aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. All aggregate must be crushed, rounded aggregate will not be permitted. The backfill material shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180.

Tapping saddles may not be used for connection of services to PVC or VCP mainline sewers.

If the Contractor damages any sanitary/storm service line not requiring adjustment, or any other underground structure or utility, the Contractor shall replace or repair it as required by the Engineer and no additional compensation will be allowed. When a sanitary/storm sewer is to be adjusted, the Contractor shall remove it carefully to prevent damage to the existing pipe which will remain.

This work will be measured in place and paid for at the contract unit price per foot (FOOT) for ADJUSTING SANITARY SEWER SERVICE LINE, which shall include all labor, material, and equipment required to complete the work as specified herein.

33. Traffic Control and Protection (Special)

Traffic Control shall be according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

Delays to the Contractor caused by complying with these requirements will be considered included in the cost of the contract, and no additional compensation will be allowed.

Standards

701001, 701006, 701011, 701101, 701301, 701501, 701801 and 701901

Details

TC-10 Traffic Control and Protection for Side Roads, Intersections and Driveways

TC-13 District One Typical Pavement Markings

TC-14 Traffic Control and Protection at Turn Bays (To Remain Open to Traffic)

TC-22 Arterial Road Information Sign

Special Provisions

Maintenance of Roadways and Erosion Control

Construction Staging and Maintenance of Base Course

Protection of Mailboxes

Traffic Control Plan

LRS 3 – Work Zone Traffic Control Surveillance

LRS 4 – Flaggers in Work Zones

BDE – Vehicle and Equipment Warning Lights

BDE – Work Zone Traffic Control Devices

No roads or segments shall be closed without prior written approval from the Village and Engineer. The Contractor must present to the Engineer, a detour plan with a detailed description addressing how resident access will be maintained and all applicable signage. Submittal of a road closure request to the Engineer does not guarantee approval. Any additional traffic control devices required for road closures per the Contractor's request shall not be paid for separately but shall be included in the cost of the contract.

The Contractor shall be properly advised of the regulated weight limits within the surrounding areas of the project. No additional compensation in time or monetary value will be allowed. The Village of Buffalo Grove Police Department requires permits for Overweight/Over-Sized Trucks or Vehicles. The Contractor can find additional information at www.vbg.org/645/Truck-Enforcement or by calling (847) 459-2560.

Temporary "No Parking" signs must be approved by the Engineer prior to installation and the Village must be notified for each individual use or occurrence. The temporary signs must be POSTED AND DATED at least 24 hours before the intended date of use and shall be a minimum size of 8.5"x11", with a contrasting background and be lathe or post mounted. Any signage that is posted without the Engineer's approval will be assessed a monetary penalty of \$500 per day until removed. **The Contractor shall not tow or move any vehicles.**

This work will be measured in place and paid for at the contract unit price per lump sum (LS) for TRAFFIC CONTROL AND PROTECTION, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

34. Traffic Control and Protection, Detour (Special)

This work shall include all labor, material, and equipment necessary to plan, furnish, install, maintain, relocate, and remove all applicable traffic control devices required to complete the work associated along Buffalo Grove Road according to the applicable sections of the Standard Specifications, the Supplemental Specifications, the "Illinois Manual on Uniform Traffic Control Devices for Streets and Highways", any special details and Highway Standards contained in the plans, and the Special Provisions contained herein.

Special attention is called to Article 107.09 of the Standard Specifications and the following Highway Standards, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions and Special Provisions contained herein, relating to traffic control.

The Contractor shall contact the District One Bureau of Traffic at least 72 hours in advance of beginning work.

Standards

701001, 701006, 701011, 701101, 701301, 701427, 701501, 701601, 701611, 701701, 701801 and 701901

Details

TC-10 Traffic Control and Protection for Side Roads, Intersections and Driveways
TC-13 District One Typical Pavement Markings
TC-14 Traffic Control and Protection at Turn Bays (To Remain Open to Traffic)
TC-22 Arterial Road Information Sign

Special Provisions

Maintenance of Roadways and Erosion Control
Construction Staging and Maintenance of Base Course
Protection of Mailboxes
Traffic Control Plan
LRS 3 – Work Zone Traffic Control Surveillance
LRS 4 – Flaggers in Work Zones
BDE – Vehicle and Equipment Warning Lights
BDE – Work Zone Traffic Control Devices

This work will be measured in place and paid for at the contract unit price per lump sum (LS) for TRAFFIC CONTROL AND PROTECTION , DETOUR, (SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

35. Storm Sewer, Water Main Quality

This work shall include all labor, material, and equipment necessary to furnish and install storm sewer, of the diameter, material and strength class specified in accordance with Section 550 of the Standard Specifications and as specified herein.

All storm sewer labeled water main class or quality shall be furnished in accordance with the Utility Table in the Engineering plans. The material used for this item shall be exclusively PVC SDR 26, of the diameter specified, conforming to ASTM D-2241 pipe standards with rubber gasket joints conforming to ASTM D-3139, F-477.

The trench shall be backfilled, where applicable, with IDOT certified Class B course aggregate material meeting the gradation of CA-11 in accordance with Section 1004 of the Standard Specifications. All aggregate must be crushed, rounded aggregate will not be permitted. The backfill material shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180.

This work will be measured in place and paid for at the contract unit price per foot (FT) for STORM SEWERS, of the type, WATER MAIN QUALITY PIPE, and diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

36. Connection to Existing Water Main (Non-Pressure)

This work shall include all labor, material, and equipment necessary to complete the non-pressure connection of the proposed water main to the existing water main at locations shown on the Engineering plans in accordance with Section 41 of the Standard Specifications for Water and Sewer Construction in Illinois and as specified herein.

The work shall include all pipe, reducers, fittings, solid sleeves, excavation, concrete thrust blocking, and disposal of surplus excavated materials. Connection of ductile iron water main to existing cast iron water main will require the use of a Tyler Long Pattern Duo Solid Sleeve. The Contractor shall notify the Engineer a minimum of 72 hours prior to any required water main shut downs.

As these connections cannot be pressure tested or chlorinated, the Contractor shall swab all pipe fittings with a 2% hypochlorite solution using a new clean long-string mop in the presence of the Engineer, and the new section of water main must be pressurized prior to backfilling.

441 OMNI Couplings shall not be permitted.

This pay item shall also include the removal of the existing water main pipe as necessary to install the proposed improvements as shown on the Engineering plans. All ductile iron pipe will be paid for separately to the connection point at the existing main.

Because of the age of the existing water system, the Village cannot assure that a complete shutdown will be achievable. The Contractor shall be equipped with enough pumps as necessary to complete the work as specified herein.

This work will be measured in place and paid for at the contract unit price per each (EA) for CONNECTION TO EXISTING WATER MAIN (NON-PRESSURE), of the diameter specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

37. Retaining Wall Removal

This work shall include all labor, material, and equipment necessary to carefully remove and dispose of existing retaining walls at locations shown on the Engineering plans, and as specified herein.

Retaining walls shall be removed in their entirety. Any material not suitable for salvage shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per foot (FT) for RETAINING WALL REMOVAL, which shall include all labor, material, and equipment required to complete the work as specified herein.

38. Brick Driveway Removal (Special)

This work shall include all labor, material, and equipment necessary to carefully remove and temporarily stack existing brick paver driveway pavement as specified herein.

All references to brick pavers throughout the contract documents shall be understood to mean all specialty materials, including, but not limited to, brick pavers, raised aggregate, slate, flagstone, and all non-portland cement or asphalt sidewalks or driveways.

The existing brick pavers shall be removed and neatly stacked, no higher than 36", and protected near the driveway apron on pallets in the parkway for the residents future use. The Contractor shall replace, at no additional cost to the Village, any existing brick pavers which have been damaged by the Contractor's operations due to neglect, misconduct or poor workmanship.

This work will be measured in place and paid for at the contract unit price per square foot (SF) for BRICK DRIVEWAY REMOVAL(SPECIAL), which shall include all labor, material, and equipment required to complete the work as specified herein.

39. HMA Path Removal and Replacement

This work shall include all labor, material, and equipment necessary to complete the removal and replacement of hot-mix-asphalt path, where marked by the Engineer in accordance with Section 442 of the Standard Specifications and as specified herein.

The hot-mix asphalt mixture requirements shall be in accordance with the special provision, HOT-MIX ASPHALT LEVELING BINDER, BINDER COURSE, AND SURFACE COURSE (SPECIAL).

This work will be measured in place and paid for at the contract unit price per square yard (SY) for HMA PATH REMOVAL AND REPLACEMENT, of the type and depth specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

40. Sign Panel Assembly and Post to be Relocated

This work shall include all labor, material, and equipment necessary to remove, store, and re-erect existing regulatory and warning sign panel assembly and posts in accordance with Section 724 of the Standard Specifications and as specified herein.

The Contractor shall store the existing sign panel assembly and post in a location that won't promote vandalism or theft. The Contractor shall replace, at no additional cost to the Owner, any sign panel assembly or post which has been vandalized, stolen or damaged due to neglect, misconduct or poor workmanship.

The sign panel assembly and post shall be installed by a method approved by the Engineer and in accordance with application sections of the Manual on Uniform Traffic Control Devices. Construction equipment such as a backhoe or skid steer shall not be used to drive posts into the ground.

This work will be measured in place and paid for at the contract unit price per each (EA) for SIGN PANEL ASSEMBLY AND POST TO BE RELOCATED, which shall include all labor, material, and equipment required to complete the work as specified herein.

41. Native Plugs

This work shall include all labor, material, and equipment necessary to furnish, install, and maintain native plant plugs in accordance with Sections 211, 250, and 251 of the Standard Specifications and as specified herein.

Prior to starting work, the Contractor shall submit the following:

- Copy of current certification that the landscape Contractor is an Illinois Certified Nursery Dealer, Grower or approved equivalent specializing in landscape installation
- All plant materials shall comply with State and Federal laws with respect to inspection for plant disease infestation. Inspection certificates and permits required by law to this effect shall accompany each shipment, invoice, or order of stock. File each certificate or permit, upon arrival with Engineer.
- Proposed planting schedule in compliance with the specified planting dates. Any revisions to this schedule must be approved by the Engineer.

This work shall include a minimum of six (6) inches of amended topsoil, final grading, North American Green Eronet S150 erosion control blanket, 4"-6" granite cobbles, pine fines mulch, and the furnishing and installation of native plugs, of the size and type outlined in the Engineering plans, and the furnishing and placement of fertilizer.

Within the areas marked for native plug installation, plugs shall be placed eighteen (18) inches apart and shall be mixed throughout the area. An alternation triangular pattern of plant species should be utilized to minimize massing of the same plant in the same area. The pattern for spacing shall follow the details in the plans. The intent is to have a diverse mix of the listed species throughout the entire planting area.

Plugs shall be installed using an auger or other appropriate tool to excavate planting holes in a staggered pattern. Erosion control blanket shall be laid prior to planting, and planting openings shall be created as plugs are planted. Plugs shall be evenly distributed throughout planting to minimize similar species clumped together. Plugs shall be planted so that the top of the soil of plug is flush with the level of soil mix grade. The topsoil shall be placed around the plugs and firmed into place. The area surrounding the plugs shall be thoroughly watered until the soil is moist to a depth of four (4)-inches.

Final acceptance of the restoration shall depend on full growth of the areas where plugs were installed. Full growth shall be defined as plugged plants to a height of twelve (12) inches (or individual species' mature height, if less than twelve (12) inches). The cost for producing full growth in the plugged areas shall be considered included in the cost of this item, and no additional compensation shall be requested to the Village.

Upon placement of native plugs, 75 percent of the pay item will be paid. Upon final acceptance of the native plugs as outlined above, the remaining 25 percent of the pay item will be paid.

This work will be measured in place and paid for at the contract unit price per each (EA) for NATIVE PLUGS, which shall include all labor, material, and equipment required to complete the work as specified herein.

42. Native Seeding

This work shall include all labor, material, and equipment necessary to furnish, place, and maintain native seed in accordance with Sections 211, 250, and 251 of the Standard Specifications and as specified herein.

This work shall include a minimum of six (6) inches of amended topsoil, final grading, North American Green Eronet S150 erosion control blanket, and the furnishing and placement of native seeds, of the type outlined in the Engineering plans, and furnishing and placement of fertilizer.

Final acceptance of the restoration shall depend on ninety (90) percent growth of the area where native seed was placed. The cost for producing full growth in the native seeded areas shall be considered included in the cost of this item, and no additional compensation shall be requested to the Village.

The Contractor shall furnish the Village one bag of each native seed type following the final placement of each respective seed.

Upon placement of native seeding, 75 percent of the pay item will be paid. Upon final acceptance of the native seeding as outlined above, the remaining 25 percent of the pay item will be paid.

This work will be measured in place and paid for at the contract unit price per square yard (SY) for NATIVE SEEDING, of the mix type specified, which shall include all labor, material, and equipment required to complete the work as specified herein.

43. Exploration Excavation

This work shall include all labor, material, and equipment necessary to excavate an exploratory trench as directed by the Engineer and as specified herein.

Exploration excavations shall be completed as required to locate existing utility facilities within the proposed project limits. The excavation shall not be less than 48 inches in depth and the width shall be sufficient to allow proper investigation of the entire trench length. The Contractor shall not be paid this item without prior approval from the Engineer.

The excavation shall be backfilled in accordance with Section 208 of the Standard Specifications or as directed by the Engineer. Surplus excavated material shall be disposed of off-site according to Article 202.03 of the Standard Specifications.

This work will be measured in place and paid for at the contract unit price per each (EA) for EXPLORATION EXCAVATION, which shall include all labor, material, and equipment required to complete the work as specified herein.

IDOT District One - Special Provisions

1. Adjustments and Reconstructions (D-1)

Effective: March 15, 2011

Revise the first paragraph of Article 602.04 to read:

“602.04 Concrete. Cast-in-place concrete for structures shall be constructed of Class SI concrete according to the applicable portions of Section 503. Cast-in-place concrete for pavement patching around adjustments and reconstructions shall be constructed of Class PP-1 concrete, unless otherwise noted in the plans, according to the applicable portions of Section 1020.”

Revise the third, fourth and fifth sentences of the second paragraph of Article 602.11(c) to read:

“Castings shall be set to the finished pavement elevation so that no subsequent adjustment will be necessary, and the space around the casting shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b.”

Revise Article 603.05 to read:

“603.05 Replacement of Existing Flexible Pavement. After the castings have been adjusted, the surrounding space shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b.”

Revise Article 603.06 to read:

“603.06 Replacement of Existing Rigid Pavement. After the castings have been adjusted, the pavement and HMA that was removed, shall be replaced with Class PP-1 concrete, unless otherwise noted in the plans, not less than 9 in. (225 mm) thick. The pavement may be opened to traffic according to Article 701.17(e)(3)b.

The surface of the Class PP concrete shall be constructed flush with the adjacent surface.”

Revise the first sentence of Article 603.07 to read:

“603.07 Protection Under Traffic. After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.”

2. Friction Aggregate (D-1)

Effective: January 1, 2011

Revised: December 1, 2021

Revise Article 1004.03(a) of the Standard Specifications to read:

“1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA). The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed								
Class A	Seal or Cover	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete								
HMA Low ESAL	Stabilized Subbase or Shoulders	<u>Allowed Alone or in Combination</u> ^{5/} : Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{1/} Crushed Concrete								
HMA High ESAL Low ESAL	Binder IL-19.0 or IL-19.0L SMA Binder	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crushed Gravel Carbonate Crushed Stone ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete ^{3/}								
HMA High ESAL Low ESAL	C Surface and Binder IL-9.5 IL-9.5FG or IL-9.5L	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/} Crushed Concrete ^{3/}								
HMA High ESAL	D Surface and Binder IL-9.5 or IL-9.5FG	<u>Allowed Alone or in Combination</u> ^{5/} : Crushed Gravel Carbonate Crushed Stone (other than Limestone) ^{2/} Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag ^{4/}								
		<u>Other Combinations Allowed:</u>								
		<table><tr><td><i>Up to...</i></td><td><i>With...</i></td></tr><tr><td>25% Limestone</td><td>Dolomite</td></tr><tr><td>50% Limestone</td><td>Any Mixture D aggregate other than Dolomite</td></tr><tr><td>75% Limestone</td><td>Crushed Slag (ACBF) or Crushed Sandstone</td></tr></table>	<i>Up to...</i>	<i>With...</i>	25% Limestone	Dolomite	50% Limestone	Any Mixture D aggregate other than Dolomite	75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone
		<i>Up to...</i>	<i>With...</i>							
		25% Limestone	Dolomite							
50% Limestone	Any Mixture D aggregate other than Dolomite									
75% Limestone	Crushed Slag (ACBF) or Crushed Sandstone									

Use	Mixture	Aggregates Allowed								
HMA High ESAL	E Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crushed Gravel Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.								
		<u>Other Combinations Allowed:</u>								
		<table><tr><th>Up to...</th><th>With...</th></tr><tr><td>50% Dolomite^{2/}</td><td>Any Mixture E aggregate</td></tr><tr><td>75% Dolomite^{2/}</td><td>Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone</td></tr><tr><td>75% Crushed Gravel^{2/}</td><td>Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag</td></tr></table>	Up to...	With...	50% Dolomite ^{2/}	Any Mixture E aggregate	75% Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone	75% Crushed Gravel ^{2/}	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag
		Up to...	With...							
		50% Dolomite ^{2/}	Any Mixture E aggregate							
		75% Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone							
75% Crushed Gravel ^{2/}	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag									
HMA High ESAL	F Surface IL-9.5 SMA Ndesign 80 Surface	<u>Allowed Alone or in Combination</u> ^{5/ 6/} : Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.								
		<u>Other Combinations Allowed:</u>								
		<table><tr><th>Up to...</th><th>With...</th></tr><tr><td>50% Crushed Gravel^{2/} or Dolomite^{2/}</td><td>Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone</td></tr></table>	Up to...	With...	50% Crushed Gravel ^{2/} or Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone				
		Up to...	With...							
		50% Crushed Gravel ^{2/} or Dolomite ^{2/}	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone							

1/ Crushed steel slag allowed in shoulder surface only.

2/ Carbonate crushed stone (limestone) and/or crushed gravel shall not be used in SMA Ndesign 80.

3/ Crushed concrete will not be permitted in SMA mixes.

4/ Crushed steel slag shall not be used as binder.

5/ When combinations of aggregates are used, the blend percent measurements shall be by volume."

Combining different types of aggregate will not be permitted in SMA Ndesign 80."

3. Ground Tire Rubber (GTR) Modified Asphalt Binder (D-1)

Effective: June 26, 2006

Revised: December 1, 2021

Add the following to the end of article 1032.05 of the Standard Specifications:

"(c) Ground Tire Rubber (GTR) Modified Asphalt Binder. A quantity of 10.0 to 14.0 percent GTR (Note 1) shall be blended by dry unit weight with a PG 64-28 to make a GTR 70-28 or a PG 58-28 to make a GTR 64-28. The base PG 64-28 and PG 58-28 asphalt binders shall meet the requirements of Article 1032.05(a). Compatible polymers may be added during production. The GTR modified asphalt binder shall meet the requirements of the following table.

Test	Asphalt Grade GTR 70-28	Asphalt Grade GTR 64-28
Flash Point (C.O.C.), AASHTO T 48, °F (°C), min.	450 (232)	450 (232)
Rotational Viscosity, AASHTO T 316 @ 275 °F (135 °C), Poises, Pa·s, max.	30 (3)	30 (3)
Softening Point, AASHTO T 53, °F (°C), min.	135 (57)	130 (54)
Elastic Recovery, ASTM D 6084, Procedure A (sieve waived) @ 77 °F, (25 °C), aged, ss, 100 mm elongation, 5 cm/min., cut immediately, %, min.	65	65

Note 1. GTR shall be produced from processing automobile and/or light truck tires by the ambient grinding method. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall contain no free metal particles or other materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce sticking and caking of the GTR particles. When tested in accordance with Illinois modified AASHTO T 27, a 50 g sample of the GTR shall conform to the following gradation requirements:

Sieve Size	Percent Passing
No. 16 (1.18 mm)	100
No. 30 (600 µm)	95 ± 5
No. 50 (300 µm)	> 20

Add the following to the end of Note 1. of article 1030.03 of the Standard Specifications:

“A dedicated storage tank for the Ground Tire Rubber (GTR) modified asphalt binder shall be provided. This tank must be capable of providing continuous mechanical mixing throughout by continuous agitation and recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of ± 0.40 percent.”

4. Hot-Mix Asphalt (D-1)

Effective: January 1, 2022

Revised: August 1, 2022

Replace Article 1030.09(g)(1) of the Standard Specifications with the following:

“(1) The Contractor shall sample approximately 150 lb (70 kg) of mix as required for the Department’s random mixture verification tests according to Article 1030.09(h)(1).”

Replace the second sentence of Article 1030.09(h)(1) of the Standard Specifications with the following:

“The Engineer will randomly identify one sample for each 3,000 tons (2,720 metric tons) of mix, with a minimum of one sample per mix. If the remaining mix quantity is 600 tons (544 metric tons) or less, the quantity will be combined with the previous 3,000 tons (2,720 metric tons) in the Engineer’s random sample identification. If the required tonnage of a mixture for a single pay item is less than 250 tons (225 metric tons) in total, the Engineer will waive mixture verification tests.”

Add the following to the end of the third paragraph of Article 1030.09(h)(2) of the Standard Specifications:

“The HMA maximum theoretical specific gravity (G_{mm}) will be based on the Department mixture verification test. If there is more than one Department mixture verification G_{mm} test, the G_{mm} will be based on the average of the Department test results.”

5. Hot-Mix Asphalt Binder and Surface Course (D-1)

Effective: November 1, 2019

Revised: December 1, 2021

Revise Article 1004.03(c) to read:

“(c) Gradation. The coarse aggregate gradations shall be as listed in the following table.

Use	Size/Application	Gradation No.
Class A-1, A-2, & A-3	3/8 in. (10 mm) Seal	CA 16 or CA 20
Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & A-3	Cover Coat	CA 14
HMA High ESAL	IL-19.0; Stabilized Subbase IL-19.0	CA 11 ^{1/}
	SMA 12.5 ^{2/}	CA 13 ^{4/} , CA 14, or CA 16
	SMA 9.5 ^{2/}	CA 13 ^{3/4/} or CA 16 ^{3/}
	IL-9.5	CA 16, CM 13 ^{4/}
	IL-9.5FG	CA 16
HMA Low ESAL	IL-19.0L	CA 11 ^{1/}
	IL-9.5L	CA 16

1/ CA 16 or CA 13 may be blended with the CA 11.

2/ The coarse aggregates used shall be capable of being combined with the fine aggregates and mineral filler to meet the approved mix design and the mix requirements noted herein.

3/ The specified coarse aggregate gradations may be blended.

4/ CA 13 shall be 100 percent passing the 1/2 in. (12.5mm) sieve.”

Revise Article 1004.03(e) of the Supplemental Specifications to read:

“(e) Absorption. For SMA the coarse aggregate shall also have water absorption ≤ 2.0 percent.”

Revise the “High ESAL” portion of the table in Article 1030.01 to read:

“High ESAL	Binder Courses	IL-19.0, IL-9.5, IL-9.5FG, IL-4.75, SMA 12.5, Stabilized Subbase IL-19.0
	Surface Courses	IL-9.5, IL-9.5FG, SMA 12.5, SMA 9.5”

Revise Note 2. and add Note 6 to Article 1030.02 of the Standard Specifications to read:

“Item	Article/Section
(g) Performance Graded Asphalt Binder (Note 6)	1032
(h) Fibers (Note 2)	

Note 2. A stabilizing additive such as cellulose or mineral fiber shall be added to the SMA mixture according to Illinois Modified AASHTO M 325. The stabilizing additive shall meet the Fiber Quality Requirements listed in Illinois Modified AASHTO M 325. Prior to approval and use of fibers, the Contractor shall submit a notarized certification by the producer of these materials stating they meet these requirements. Reclaimed Asphalt Shingles (RAS) may be used in Stone Matrix Asphalt (SMA) mixtures designed with an SBA polymer modifier as a fiber additive if the mix design with RAS included meets AASHTO T305 requirements. The RAS shall be from a certified source that produces either Type I or Type 2. Material shall meet requirements noted herein and the actual dosage rate will be determined by the Engineer.

Note 6. The asphalt binder shall be an SBS PG 76-28 when the SMA is used on a full-depth asphalt pavement and SBS PG 76-22 when used as an overlay, except where modified herein. The asphalt binder shall be a SBS PG 76-22 for IL-4.75, except where modified herein..”

Revise table in Article 1030.05(a) of the Standard Specifications to read:

“MIXTURE COMPOSITION (% PASSING)” ^{1/}												
Sieve Size	IL-19.0 mm		SMA 12.5		SMA 9.5		IL-9.5mm		IL-9.5FG		IL-4.75 mm	
	min	max	min	max	min	max	min	max	min	max	min	max
1 1/2 in (37.5 mm)												
1 in. (25 mm)		100										
3/4 in. (19 mm)	90	100		100								
1/2 in. (12.5 mm)	75	89	80	100		100		100		100		100
3/8 in. (9.5 mm)				65	90	100	90	100	90	100		100
#4 (4.75 mm)	40	60	20	30	36	50	34	69	60	75 ^{6/}	90	100
#8 (2.36 mm)	20	42	16	24 ^{4/}	16	32 ^{4/}	34 ^{5/}	52 ^{2/}	45	60 ^{6/}	70	90
#16 (1.18 mm)	15	30					10	32	25	40	50	65
#30 (600 μm)			12	16	12	18			15	30		
#50 (300 μm)	6	15					4	15	8	15	15	30
#100 (150 μm)	4	9					3	10	6	10	10	18
#200 (75 μm)	3.0	6.0	7.0	9.0 ^{3/}	7.5	9.5 ^{3/}	4.0	6.0	4.0	6.5	7.0	9.0 ^{3/}
#635 (20 μm)			≤ 3.0		≤ 3.0							
Ratio Dust/Asphalt Binder		1.0		1.5		1.5		1.0		1.0		1.0

1/ Based on percent of total aggregate weight.

2/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with Ndesign = 90.

3/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer.

- 4/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above the percentage stated on the table.
- 5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted below 34 percent.
- 6/ When the mixture is used as a binder, the maximum shall be increased by 0.5 percent passing.”

Revise Article 1030.05(b) of the Standard Specifications to read:

(b) Volumetric Requirements. The target value for the air voids of the HMA shall be 4.0 percent, for IL-4.75 and SMA mixtures it shall be 3.5 percent and for Stabilized Subbase it shall be 3.0 percent at the design number of gyrations. The voids in the mineral aggregate (VMA) and voids filled with asphalt binder (VFA) of the HMA design shall be based on the nominal maximum size of the aggregate in the mix and shall conform to the following requirements.

Mix Design	Voids in the Mineral Aggregate (VMA), % Minimum for Ndesign				
	30	50	70	80	90
IL-19.0		13.5	13.5		13.5
IL-9.5		15.0	15.0		
IL-9.5FG		15.0	15.0		
IL-4.75 ^{1/}		18.5			
SMA-12.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
SMA-9.5 ^{1/2/5/}				17.0 ^{3/} /16.0 ^{4/}	
IL-19.0L	13.5				
IL-9.5L	15.0				

- 1/ Maximum draindown shall be 0.3 percent according to Illinois Modified AASHTO T 305.
- 2/ The draindown shall be determined at the JMF asphalt binder content at the mixing temperature plus 30°F.
- 3/ Applies when specific gravity of coarse aggregate is ≥ 2.760 .
- 4/ Applies when specific gravity of coarse aggregate is < 2.760 .
- 5/ For surface course, the coarse aggregate can be crushed steel slag, crystalline crushed stone or crushed sandstone. For binder course, coarse aggregate shall be crushed stone (dolomite), crushed gravel, crystalline crushed stone, or crushed sandstone”

Revise the last paragraph of Article 1102.01 (a) (5) of the Standard Specifications to read:

“IL-4.75 and Stone Matrix Asphalt (SMA) mixtures which contain aggregate having absorptions greater than or equal to 2.0 percent, or which contain steel slag sand, shall have minimum surge bin storage plus haul time of 1.5 hours.”

Add after third sentence of Article 1030.09(b) to read:

“ If the Contractor and Engineer agree the nuclear density test method is not appropriate for the mixture, cores shall be taken at random locations determined according to the QC/QA document "Determination of Random Density Test Site Locations". Core densities shall be determined using the Illinois Modified AASHTO T 166 or T 275 procedure.”

Revise Table 1 and Note 4/ of Table 1 in Article 406.07(a) of the Standard Specifications to read:

	Breakdown/Intermediate Roller (one of the following)	Final Roller (one or more of the following)	Density Requirement

IL-9.5, IL-9.5FG, IL-19.0 ^{1/}	V _D , P, T _B , 3W, O _T , O _B	V _S , T _B , T _F , O _T	As specified in Section 1030
IL-4.75 and SMA ^{3/4/}	T _B , 3W, O _T	T _F , 3W	As specified in Section 1030
Mixtures on Bridge Decks ^{2/}	T _B	T _F	As specified in Articles 582.05 and 582.06.

"4/ The Contractor shall provide a minimum of two steel-wheeled tandem rollers (T_B), and/or three-wheel (3W) rollers for breakdown, except one of the (T_B) or (3W) rollers shall be 84 inches (2.14 m) wide and a weight of 315 pound per linear inch (PLI) (5.63 kg/mm) and one of the (T_B) or (3W) rollers can be substituted for an oscillatory roller (O_T). T_F rollers shall be a minimum of 280 lb/in. (50 N/mm). The 3W and T_B rollers shall be operated at a uniform speed not to exceed 3 mph (5 km/h), with the drive roll for T_B rollers nearest the paver and maintain an effective rolling distance of not more than 150 ft (45 m) behind the paver."

Add the following after the fourth paragraph of Article 406.13 (b):

"The plan quantities of SMA mixtures shall be adjusted using the actual approved binder and surface Mix Design's G_{mb}."

Revise first paragraph of Article 1030.10 of the Standard Specifications to read:

"A test strip of 300 ton (275 metric tons), except for SMA mixtures it will be 400 ton (363 metric ton), will be required for each mixture on each contract at the beginning of HMA production for each construction year according to the Manual of Test Procedures for Materials "Hot Mix Asphalt Test Strip Procedures". At the request of the Producer, the Engineer may waive the test strip if previous construction during the current construction year has demonstrated the constructability of the mix using Department test results."

Revise third paragraph of Article 1030.10 of the Standard Specifications to read:

"When a test strip is constructed, the Contractor shall collect and split the mixture according to the document "Hot-Mix Asphalt Test Strip Procedures". The Engineer, or a representative, shall deliver split sample to the District Laboratory for verification testing. The Contractor shall complete mixture tests stated in Article 1030.09(a). Mixture sampled shall include enough material for the Department to conduct mixture tests detailed in Article 1030.09(a) and in the document "Hot-Mix Asphalt Mixture Design Verification Procedure" Section 3.3. The mixture test results shall meet the requirements of Articles 1030.05(b) and 1030.05(d), except Hamburg wheel tests will only be conducted on High ESAL mixtures during production."

6. Hot-Mix Asphalt – Mixture Design Verification and Production (D-1)

Effective: January 1, 2019

Revised: December 1, 2021

Add to Article 1030.05 (d)(3) of the Standard Specifications to read:

" During mixture design, prepared samples shall be submitted to the District laboratory by the Contractor for verification testing. The required testing, and number and size of prepared samples submitted, shall be according to the following tables.

High ESAL – Required Samples for Verification Testing	
Mixture	Hamburg Wheel and I-FIT Testing ^{1/2/}
Binder	total of 3 - 160 mm tall bricks
Surface	total of 4 - 160 mm tall bricks

Low ESAL – Required Samples for Verification Testing	
Mixture	I-FIT Testing ^{1/2/}

Binder	1 - 160 mm tall brick
Surface	2 - 160 mm tall bricks

- 1/ The compacted gyratory bricks for Hamburg wheel and I-FIT testing shall be 7.5 ± 0.5 percent air voids.
- 2/ If the Contractor does not possess the equipment to prepare the 160 mm tall brick(s), twice as many 115 mm tall compacted gyratory bricks will be acceptable.

Revise the fourth paragraph of Article 1030.10 of the Standard Specifications to read:

"When a test strip is not required, each HMA mixture shall still be sampled on the first day of production: I-FIT and Hamburg wheel testing for High ESAL; I-FIT testing for Low ESAL. Within two working days after sampling the mixture, the Contractor shall deliver gyratory cylinders to the District laboratory for Department verification testing. The High ESAL mixture test results shall meet the requirements of Articles 1030.05(d)(3) and 1030.05(d)(4). The Low ESAL mixture test results shall meet the requirements of Article 1030.05(d)(4). The required number and size of prepared samples submitted for the Hamburg wheel and I-FIT testing shall be according to the "High ESAL - Required Samples for Verification Testing" table in Article 1030.05(d)(3) above."

Add the following to the end of Article 1030.10 of the Standard Specifications to read:

"Mixture sampled during first day of production shall include approximately 60 lb (27 kg) of additional material for the Department to conduct Hamburg wheel testing and approximately 80 lb (36 kg) of additional material for the Department to conduct I-FIT testing. Within two working days after sampling, the Contractor shall deliver prepared samples to the District laboratory for verification testing. The required number and size of prepared samples submitted for the Hamburg wheel and I-FIT testing shall be according to the "High ESAL - Required Samples for Verification Testing" table in Article 1030.05(d)(3) above."

7. Temporary Information Signing

Effective: November 13, 1996

Revised: January 29, 2020

Description.

This work shall consist of furnishing, installing, maintaining, relocating for various states of construction and eventually removing temporary informational signs. Included in this item may be ground mount signs, skid mount signs, truss mount signs, bridge mount signs, and overlay sign panels which cover portions of existing signs.

Materials.

Materials shall be according to the following Articles of Section 1000 - Materials:

	<u>Item</u>	<u>Article/Section</u>
a.)	Sign Base (Note 1)	1090
b.)	Sign Face (Note 2)	1091
c.)	Sign Legends	1091
d.)	Sign Supports	1093
e.)	Overlay Panels (Note 3)	1090.02

Note 1. The Contractor may use 5/8 inch (16 mm) instead of 3/4 inch (19 mm) thick plywood.

Note 2. The sign face material shall be in accordance with the Department's Fabrication of Highway Signs Policy.

Note 3. The overlay panels shall be 0.08 inch (2 mm) thick.

GENERAL CONSTRUCTION REQUIREMENTS

Installation.

The sign sizes and legend sizes shall be verified by the Contractor prior to fabrication.

Signs which are placed along the roadway and/or within the construction zone shall be installed according to the requirements of Article 701.14 and Article 720.04. The signs shall be 7 ft (2.1 m) above the near edge of the pavement and shall be a minimum of 2 ft (600 mm) beyond the edge of the paved shoulder. A minimum of two (2) posts shall be used.

The attachment of temporary signs to existing bridges, sign structures or sign panels shall be approved by the Engineer. Any damage to the existing signs and/or structures due to the Contractor's operations shall be repaired or signs replaced, as determined by the Engineer, at the Contractor's expense.

Method of Measurement.

This work shall be measured for payment in square feet (square meters) edge to edge (horizontally and vertically).

All hardware, posts or skids, supports, bases for ground mounted signs, connections, which are required for mounting these signs will be included as part of this pay item.

Basis Of Payment.

This work shall be paid for at the contract unit price per square foot (square meter) for TEMPORARY INFORMATION SIGNING.

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets
SPECIAL PROVISION
FOR
LOCAL QUALITY ASSURANCE/ QUALITY MANAGEMENT QC/QA
Effective: January 1, 2022

Replace the first five paragraphs of Article 1030.06 of the Standard Specifications with the following:

“1030.06 Quality Management Program. The Quality Management Program (QMP) will be Quality Control / Quality Assurance (QC/QA) according to the following.”

Delete Article 1030.06(d)(1) of the Standard Specifications.

Revise Article 1030.09(g)(3) of the Standard Specifications to read:

“(3) If core testing is the density verification method, the Contractor shall provide personnel and equipment to collect density verification cores for the Engineer. Core locations will be determined by the Engineer following the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations” at density verification intervals defined in Article 1030.09(b). After the Engineer identifies a density verification location and prior to opening to traffic, the Contractor shall cut a 4 in. (100 mm) diameter core. With the approval of the Engineer, the cores may be cut at a later time.”

Revise Article 1030.09(h)(2) of the Standard Specifications to read:

“(2) After final rolling and prior to paving subsequent lifts, the Engineer will identify the random density verification test locations. Cores or nuclear density gauge testing will be used for density verification. The method used for density verification will be as selected below.

Density Verification Method	
☐	Cores
☐	Nuclear Density Gauge (Correlated when paving ≥ 3,000 tons per mixture)

Density verification test locations will be determined according to the document “Hot-Mix Asphalt QC/QA Procedure for Determining Random Density Locations”. The density testing interval for paving wider than or equal to 3 ft (1 m) will be 0.5 miles (800 m) for lift thicknesses of 3 in. (75 mm) or less and 0.2 miles (320 m) for lift thicknesses greater than 3 in. (75 mm). The density testing interval for paving less than 3 ft (1 m) wide will be 1 mile (1,600 m). If a day’s paving will be less than the prescribed density testing interval, the length of the day’s paving will be the interval for that day. The density testing interval for mixtures used for patching will be 50 patches with a minimum of one test per mixture per project.

If core testing is the density verification method, the Engineer will witness the Contractor coring, and secure and take possession of all density samples at the

density verification locations. The Engineer will test the cores collected by the Contractor for density according to Illinois Modified AASHTO T 166 or AASHTO T 275.

If nuclear density gauge testing is the density verification method, the Engineer will conduct nuclear density gauge tests. The Engineer will follow the density testing procedure detailed in the document "Illinois Modified ASTM D 2950, Standard Test Method for Density of Bituminous Concrete In-Place by Nuclear Method".

A density verification test will be the result of a single core or the average of the nuclear density tests at one location. The results of each density test must be within acceptable limits. The Engineer will promptly notify the Contractor of observed deficiencies."

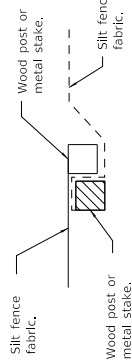
Revise the seventh paragraph and all subsequent paragraphs in Section D. of the document "Hot-Mix Asphalt QC/QA Initial Daily Plant and Random Samples" to read:

"Mixtures shall be sampled from the truck at the plant by the Contractor following the same procedure used to collect QC mixture samples (Section A). This process will be witnessed by the Engineer who will take custody of the verification sample. Each sample bag with a verification mixture sample will be secured by the Engineer using a locking ID tag. Sample boxes containing the verification mixture sample will be sealed/taped by the Engineer using a security ID label."

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5. 424021-07 Depressed Corner For Sidewalks
6. 442201-03 Class C and D Patches
7. 542301-03 Precast Reinforced Concrete Flared End Section
8. 542306-03 Precast Reinforced Concrete Elliptical Flared End Section
9. 602001-02 Catch Basin Type A
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26. 701901-10 Traffic Control Devices
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28. IDOT District One Highway Standard – BD-32 Butt Joint and HMA Taper Details
29. IDOT District One Highway Standard – BM-20 Pruning for Safety and Equipment Clearance
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41. Exhibit No 109 Materials List
42. Pavement Core Log Report
43. IEPA LPC-662



Place end-post (stake) of first silt fence adjacent to end-post (stake) or second silt fence with fabric positioned as shown.

STEP 1

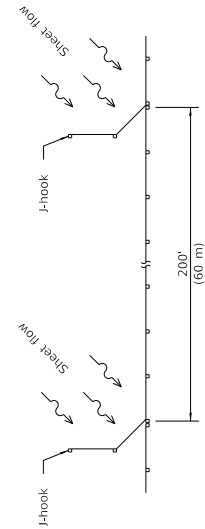


Rotate posts (stakes) together 180° clockwise and drive both posts (stakes) 18 (450) into ground.

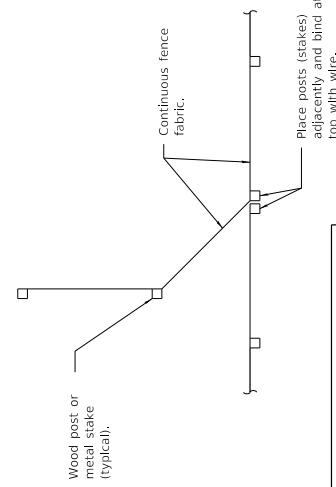
STEP 2

ATTACHING TWO SILT FILTER FENCES

(Not applicable for J-hooks)

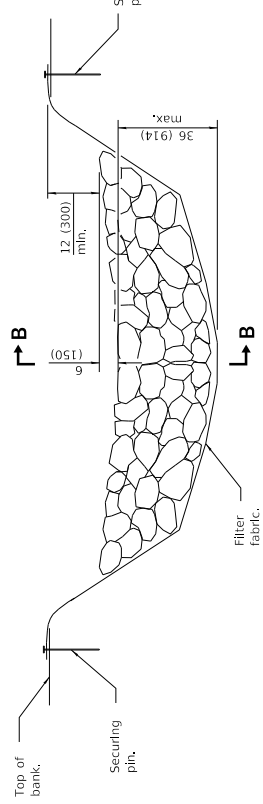


SILT FILTER J-HOOK PLACEMENT



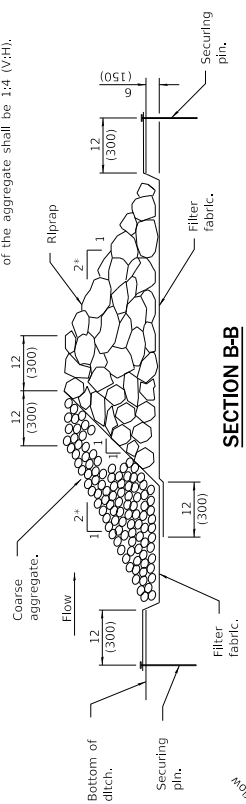
J-HOOK

Illinois Department of Transportation	
PASSED	ISSUED 1-1-07
January 1, 2013	
ENGINEER OF POLICY AND PROCEDURES	
APPROVED	January 1, 2013
ENGINEER OF DESIGN AND ENVIRONMENT	



ELEVATION

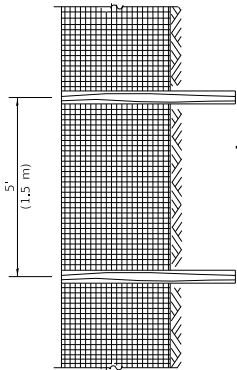
* When the ditch check is within the clear zone and the road is open to traffic, the traffic approach slope of the aggregate shall be 1:4 (V:H).



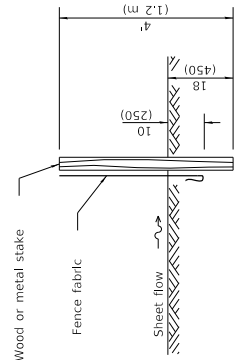
SECTION B-B

AGGREGATE DITCH CHECK

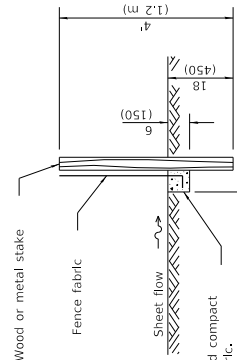
ELEVATION



SILT FILTER FENCE AS A PERIMETER EROSION BARRIER



SLICE METHOD



TRENCH METHOD

SECTION A-A

GENERAL NOTES

The installation details and dimensions shown for perimeter erosion barriers shall also apply for inlet and pipe protection.

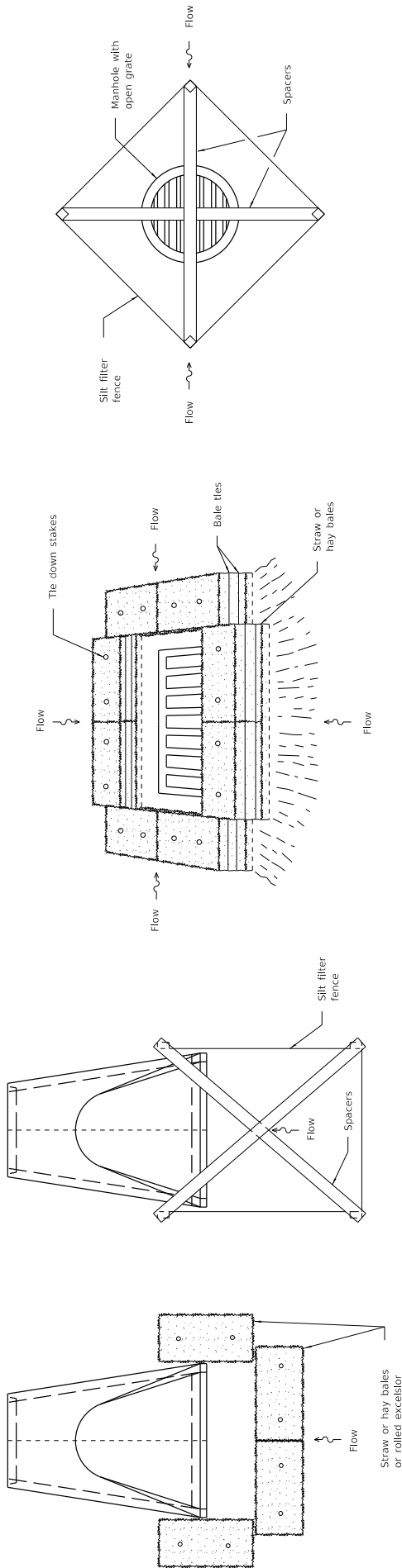
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-13	Corrected notation for flowline (f.) on SEDIMENT BASIN ELEVATION.
1-1-12	Omitted hay/straw perimeter barrier. Added SLICE METHOD to SECTION A-A.

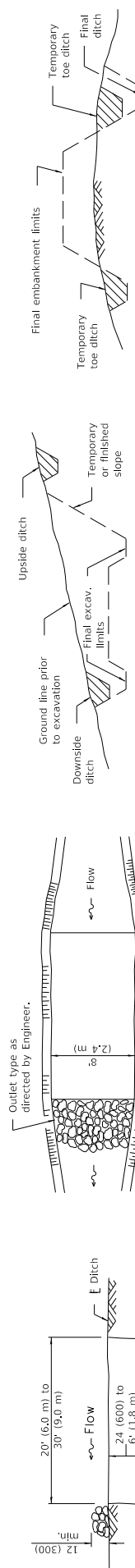
TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 1 of 2)

STANDARD 280001-07



INLET AND PIPE PROTECTION



TYPICAL CUT CROSS-SECTION

TYPICAL FILL CROSS-SECTION

PLAN

The long dimension should be parallel with the direction of the flow. Accumulated silt shall be removed anytime the basins become 75% filled.

ELEVATION

The performance of the basin will improve if put into a series.

SEDIMENT BASIN

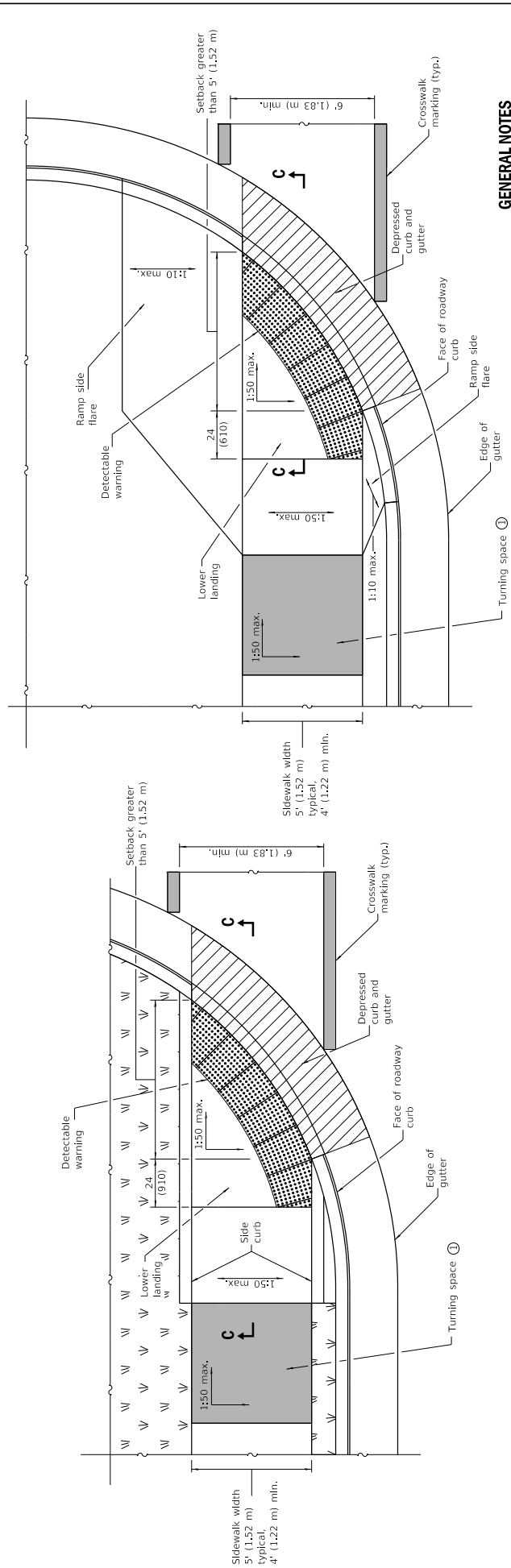
TEMPORARY DITCHES FOR CUT & FILL SECTIONS

Illinois Department of Transportation	
PASSED	January 1, 2013
ENGINEER OF POLICY AND PROCEDURES	
APPROVED	January 1, 2013
ENGINEER OF DESIGN AND ENVIRONMENT	

TEMPORARY EROSION CONTROL SYSTEMS

(Sheet 2 of 2)

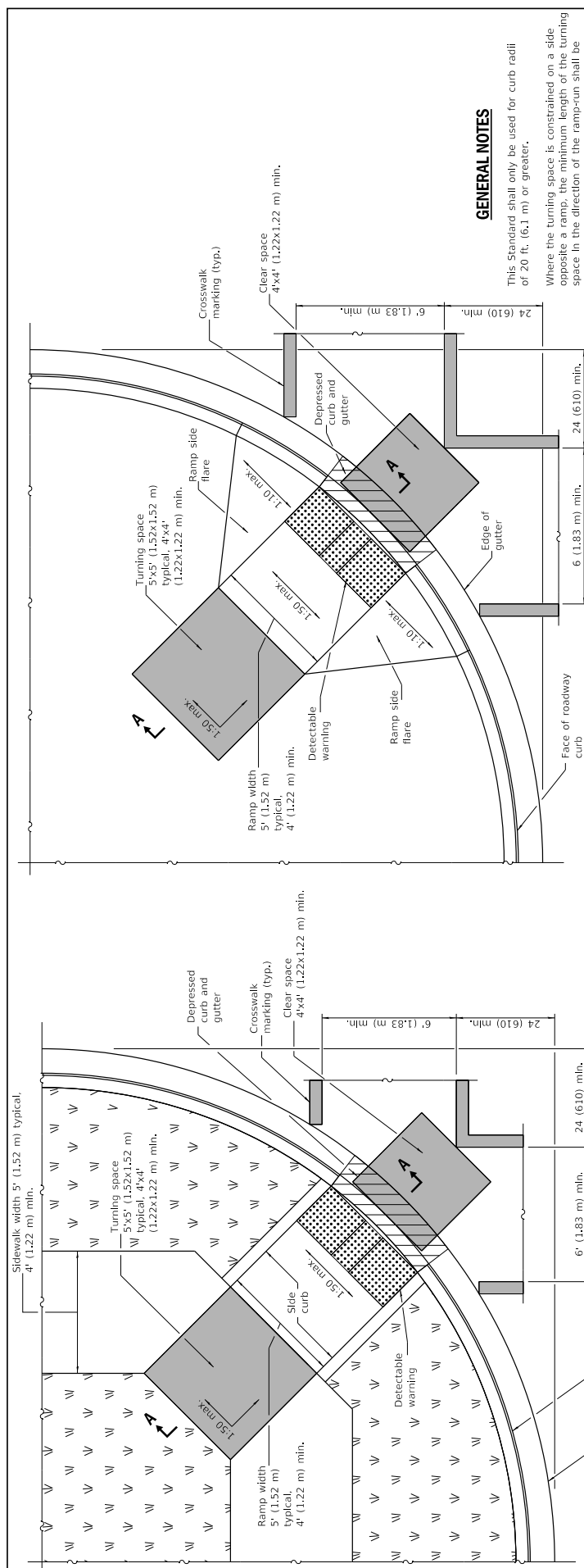
STANDARD 2800001-07



**PERPENDICULAR CURB RAMPS
FOR SIDEWALKS**
 (Sheet 2 of 2)

STANDARD 424001-11

Illinois Department of Transportation PASSED ENGINEER OF POLICY AND PROCEDURES APPROVED ENGINEER OF DESIGN AND ENVIRONMENT	January 1, 2019 January 1, 2019	ISSUED 1-1-07
	January 1, 2019 January 1, 2019	
	January 1, 2019 January 1, 2019	
	January 1, 2019 January 1, 2019	



GENERAL NOTES

This Standard shall only be used for curb radii of 20 ft. (6.1 m) or greater.

Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

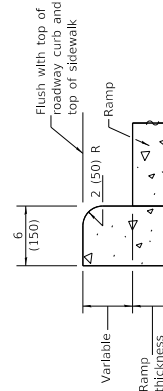
All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

See Standard 606001 for details of depressed curb adjacent to curb ramp.

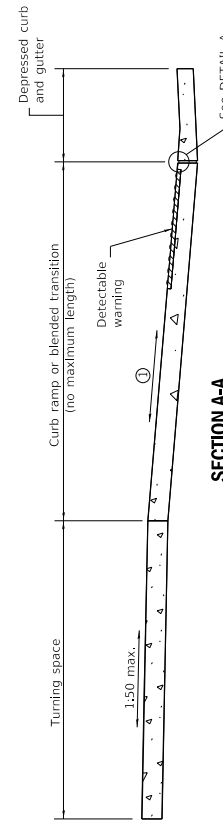
All dimensions are in inches (millimeters) unless otherwise shown.

RAMP IN PAVED AREA

RAMP IN LANDSCAPED AREA



SIDE CURB DETAIL

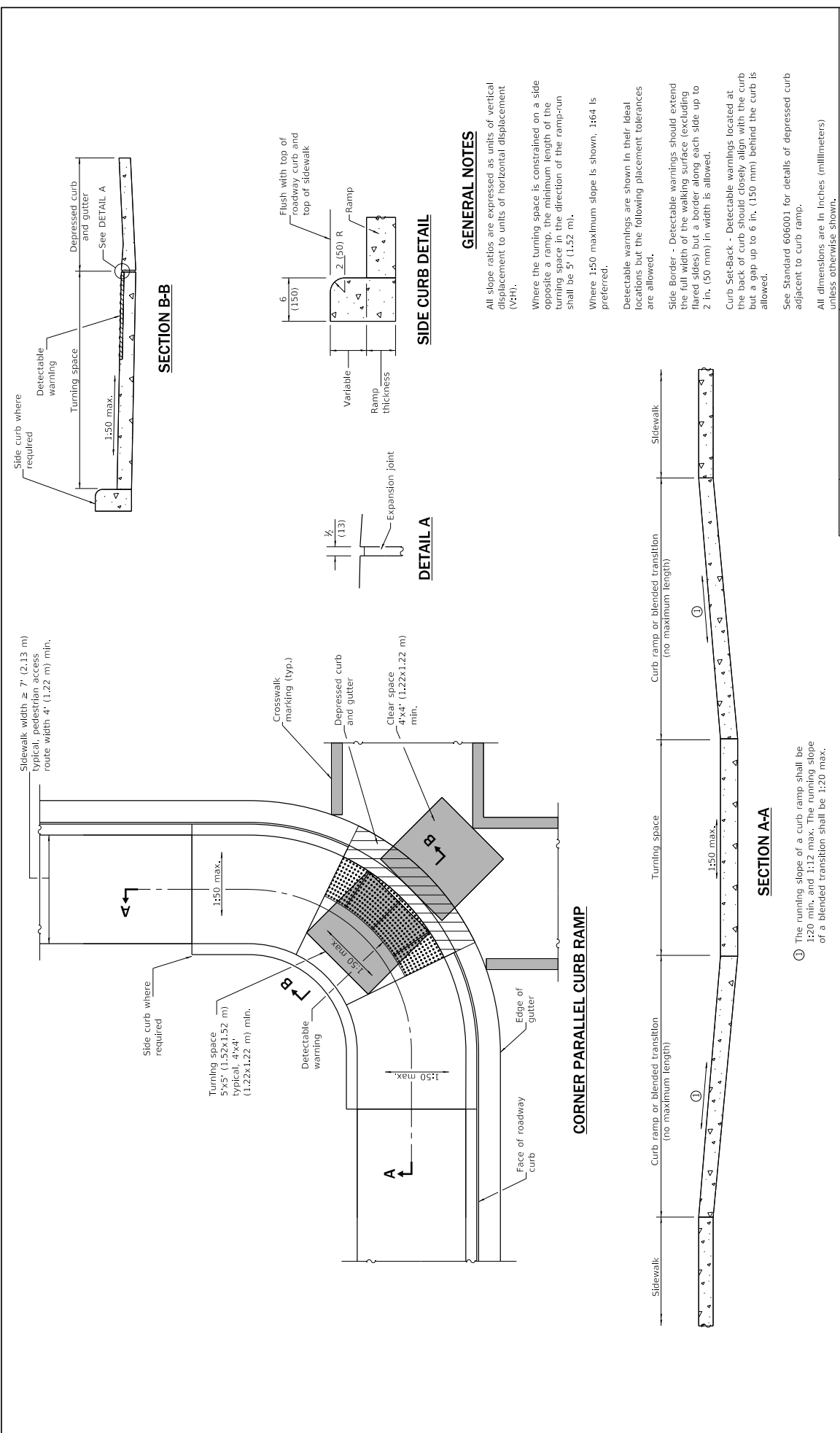


SECTION A-A

- The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

DATE		REVISIONS	
1-1-21		Clarified minimum crosswalk width and locations.	
1-1-19		Removed "15-foot rule", added "blended transitions", and placement tolerances for detectable warnings.	
		STANDARD 424006-05	

PASSED		ISSUED 1-1-12	
Illinois Department of Transportation		January 1, 2021	
APPROVED		APPROVED	
ENGINEER OF DESIGN AND ENVIRONMENT		ENGINEER OF POLICY AND PROCEDURES	
January 1, 2021		January 1, 2021	



GENERAL NOTES

- All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
- Where the turning space is constrained on a side opposite a ramp, the minimum length of the turning space in the direction of the ramp-run shall be 5' (1.52 m).
- Where 1:50 maximum slope is shown, 1:64 is preferred.
- Detachable warnings are shown in their ideal locations but the following placement tolerances are allowed.
- Side Border - Detachable warnings should extend the full width of the walking surface (excluding flared slides) but a border along each side up to 2 in. (50 mm) in width is allowed.
- Curb Set-Back - Detachable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-19	Removed upper landing, added blended transition and detectable warning tolerances.
1-1-17	Revised sidewalk width to include 24 (610) buffer behind curb.

CORNER PARALLEL CURB RAMPS FOR SIDEWALKS

STANDARD 424011-04

Illinois Department of Transportation

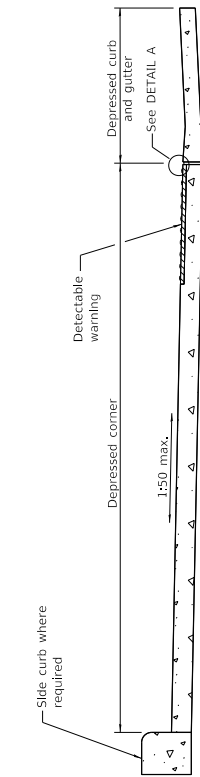
PASSED January 1, 2019

ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019

ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-12



DETAIL A

SIDE CURB DETAIL

This standard shall only be used for curb radii of 6 ft. (1.83 m) or greater.

Where 1:50 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal tolerances but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 in. (50 mm) in. width is allowed.

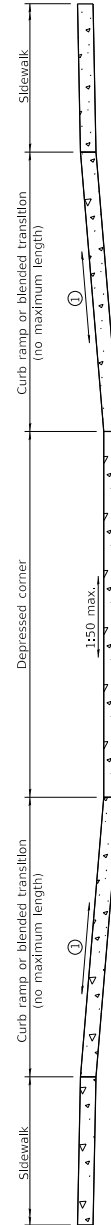
Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 in. (150 mm) behind the curb is allowed.

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

DEPRESSED CORNER FOR SIDEWALKS

STANDARD 424021-06



SECTION A-A

- ① The running slope of a curb ramp shall be 1:20 min. and 1:12 max. The running slope of a blended transition shall be 1:20 max.

DATE	REVISIONS
1-1-21	Added crosswalk striping and a "buffer" for wide sidewalks,
1-1-19	Removed upper landings, added blended transition and detectable warning tolerances.



Illinois Department of Transportation

ISSUED 1-1-12

PASSED January 1, 2021

mld B-D

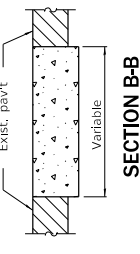
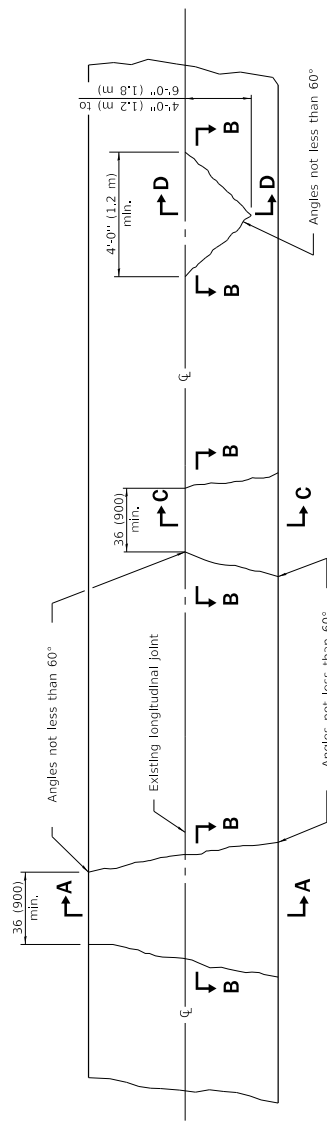
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021

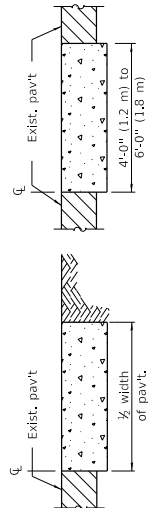
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ENGINEER OF DESIGN AND ENVIRONMENT

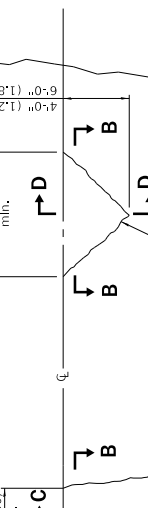
CLASS C



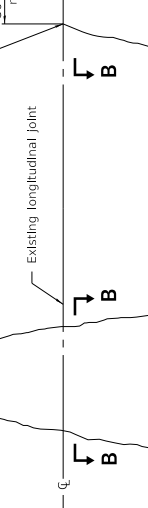
SECTION B-B



SECTION C-C



SECTION D-D

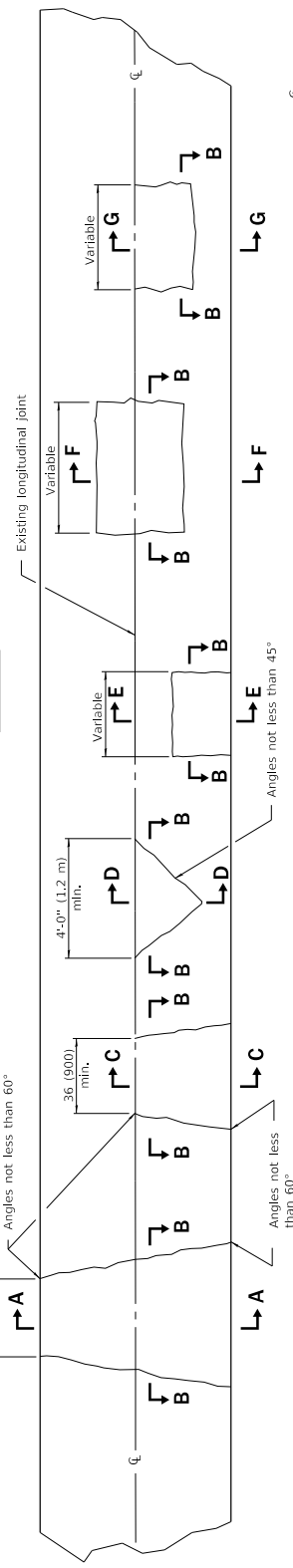


SECTION E-E

DETAIL OF SAWED CONTRACTION JOINT

Note:
Longitudinal joints shall be as detailed on Standard 420001, except tie bars are not required for patches 20'-0" (6.0 m) or less in length.

CLASS D



Existing longitudinal joint

Angles not less than 60°

Angles not less than 60°

Construction joint

Angles not less than 45°

SECTION A-A

(Built in two operations)

SECTION B-B

SECTION C-C

SECTION D-D

SECTION E-E

SECTION A-A

(Built in two operations)

SECTION B-B

SECTION C-C

SECTION D-D

SECTION E-E

GENERAL NOTES

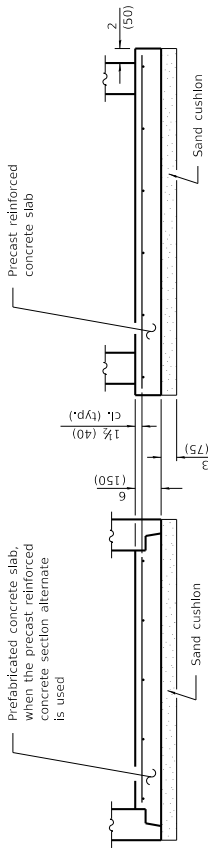
Existing tie bars shall be either cut or removed. Marginal bars shall be cut.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation	
PASSED	January 1, 2008
ENGINEER OF POLICY AND PROCEDURES	<i>Scott B. Smith</i>
APPROVED	January 1, 2008
ENGINEER OF DESIGN AND ENVIRONMENT	<i>Lee C. Hays</i>

SECTION F-F (Built in two operations)	
DATE	REVISIONS
1-1-08	Switched units to English (metric).
1-1-07	Revised Note for Class C patches.

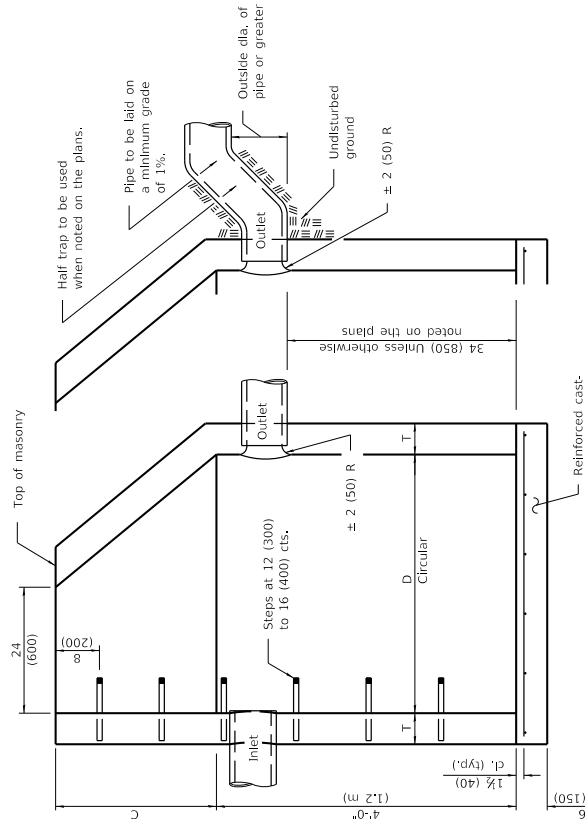
CLASS C and D PATCHES	
STANDARD 442201-03	



ALTERNATE BOTTOM SLAB

ALTERNATE MATERIALS FOR WALLS	D	C*	T (min.)
Concrete Masonry Unit	4'-0" (1.2 m)	30 (750)	5 (125)
	5'-0" (1.5 m)	3'-9" (1.15 m)	5 (125)
Brick Masonry	4'-0" (1.2 m)	30 (750)	8 (200)
	5'-0" (1.5 m)	3'-9" (1.15 m)	8 (200)
Precast Reinforced Concrete Section	4'-0" (1.2 m)	30 (750)	4 (100)
	5'-0" (1.5 m)	3'-9" (1.15 m)	5 (125)
Cast-in-place Concrete	4'-0" (1.2 m)	30 (750)	6 (150)
	5'-0" (1.5 m)	3'-9" (1.15 m)	6 (150)

* For precast reinforced concrete sections, dimension "C" may vary from the dimension given to plus 6 (150).



ELEVATION (Half Trap)

ELEVATION (Standard Outlet)

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.20 sq. in./ft (420 sq. mm/m) in both directions with a maximum spacing of 12 (300).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

See Standard 602601 for optional precast reinforced concrete flat slab top.

See Standard 602701 for details of steps.

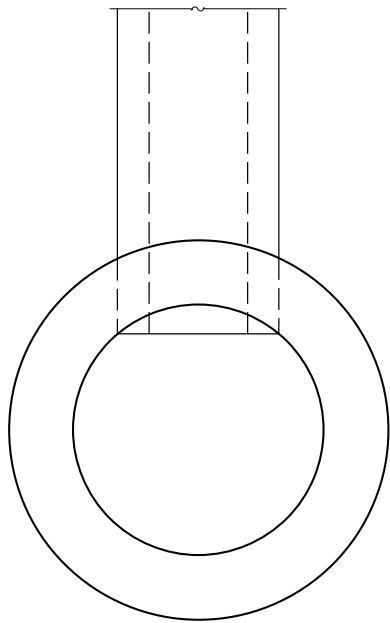
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation	ISSUED 1-1-07
PASSED January 1, 2011	
Michael Bond	
ENGINEER OF POLICY AND PROCEDURES	
APPROVED January 1, 2011	
Garrett	
ENGINEER OF DESIGN AND ENVIRONMENT	

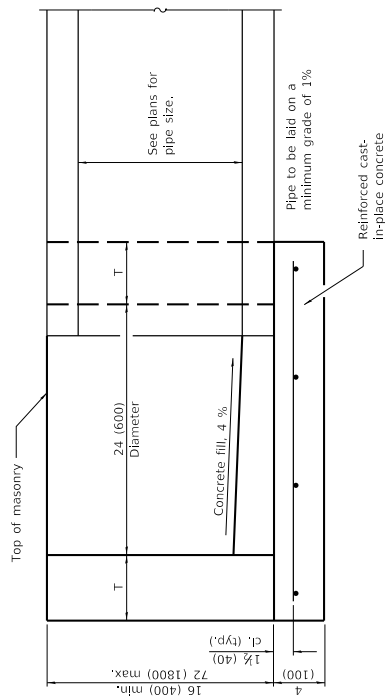
CATCH BASIN TYPE A

STANDARD 602001-02

DATE	REVISIONS
1-1-11	Added 'Outside' to half trap note. Detail reh. in slabs.
	Revised general notes.
1-1-09	Switched units to English (metric).

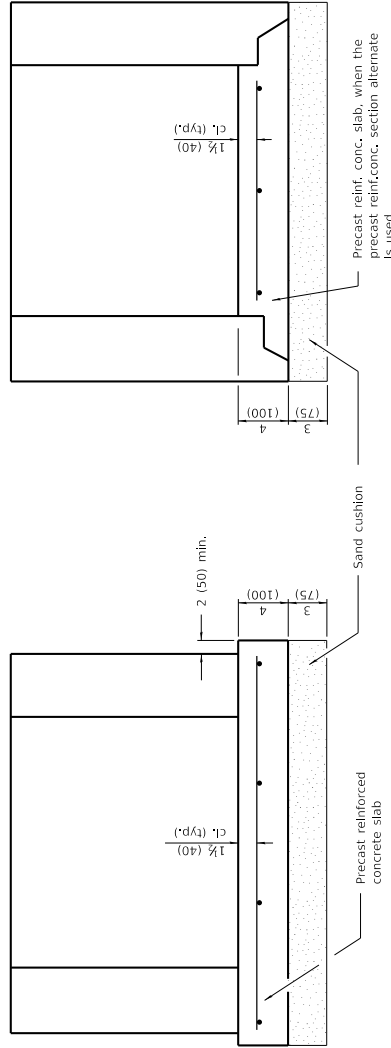


PLAN



ELEVATION

ALTERNATE MATERIALS FOR WALLS		T
BRICK MASONRY		8 (200)
CAST-IN-PLACE CONCRETE		6 (150)
CONCRETE MASONRY UNIT		5 (125)
PRECAST REINFORCED CONCRETE SECTION		3 (75)



ALTERNATE METHODS

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 0.24 sq. in./ft. (510 sq. mm/m) in both directions with a maximum spacing of 10 (250).

Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

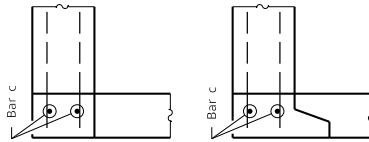
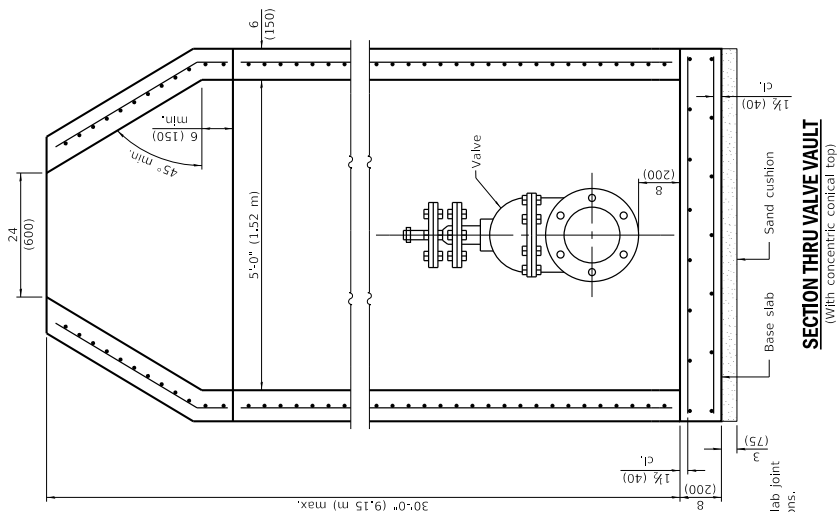
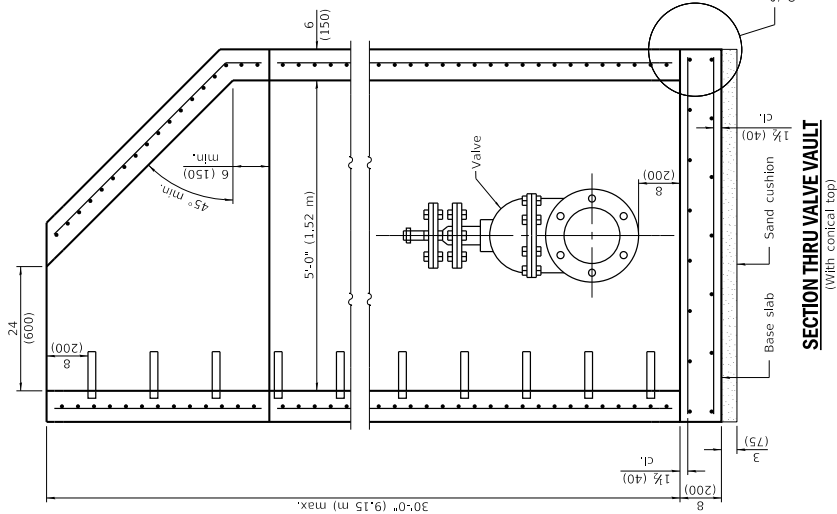
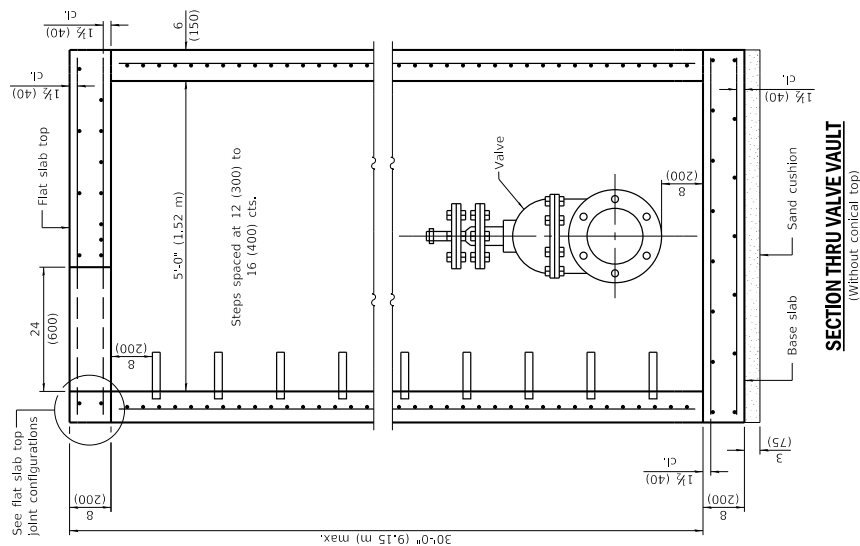
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-14	Increased height to 72 (1800) maximum.
1-1-11	Detailed rein. in slabs. Added max. limit to height.
	Added general notes.

INLET - TYPE A

STANDARD 602301-04

Illinois Department of Transportation		ISSUED 1-1-07
PASSED	January 1, 2014	
ENGINEER OF POLICY AND PROCEDURES	Michael Bond	
APPROVED	January 1, 2014	
ENGINEER OF DESIGN AND ENVIRONMENT		



GENERAL NOTES

Use this standard for water mains ≥ 10 (250).

The manufacturer shall ensure that all precast manhole sections are additionally reinforced where required to resist damage from handling, shipping and installation stresses.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

See Standard 602701 for details of manhole steps.

All dimensions are in inches (millimeters) unless otherwise noted.

PRECAST VALVE VAULT TYPE A 5' (1.52 m) DIAMETER (Sheet 1 of 2)

STANDARD 602506-03

DATE	REVISIONS
1-1-21	Revised lifting hole general note.
3-1-19	Moved wall reinforcement from inside face to middle.

Illinois Department of Transportation	ISSUED 1-1-18
PASSED January 1, 2021	
ENGINEER OF POLICY AND PROCEDURES	
APPROVED January 1, 2021	
ENGINEER OF DESIGN AND ENVIRONMENT	

FLAT SLAB TOP REINFORCEMENT

Location	WWR (each direction)		Rebar (each direction except as noted)	
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Top Mat	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)
Bottom Mat	0.40 sq. in./ft. (847 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#3 or #4 (#10) (#13) (#13)

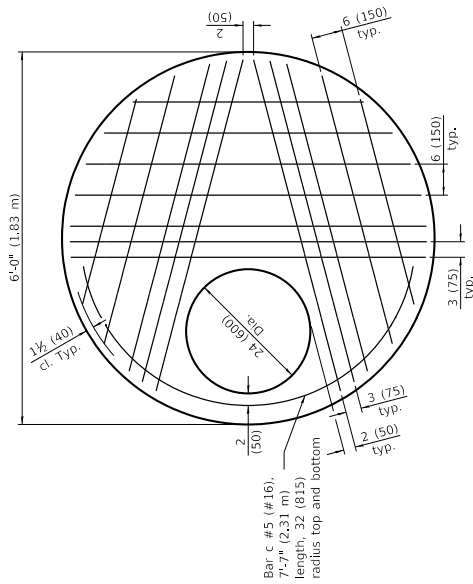
* Only one layer of WWR permitted to avoid congestion.

WALL REINFORCEMENT

Orientation	WWR or Rebar	
	A _s (min.)	Spacing (max.)
Circumferential	0.15 sq. in./ft. (318 sq. mm/m)	6 (150)
Vertical	0.045 sq. in./ft. (95 sq. mm/m)	8 (200)

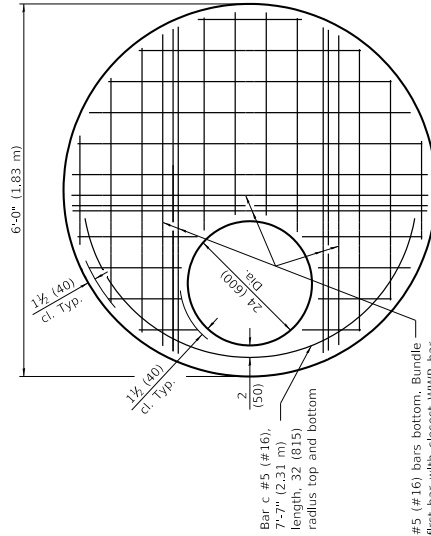
BASE SLAB REINFORCEMENT

Location	WWR or Rebar (each direction)	
	A _s (min.)	Spacing (max.)
Total Height	0.24 sq. in./ft. (508 sq. mm/m)	10 (250)
Top Mat	0.28 sq. in./ft. (593 sq. mm/m)	8 (200)
Bottom Mat	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)



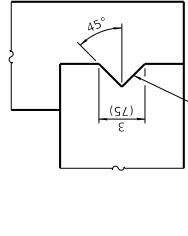
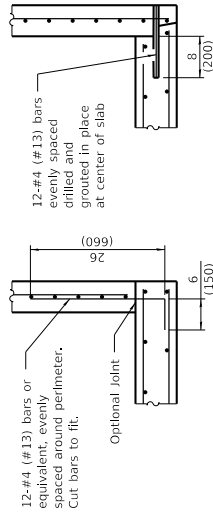
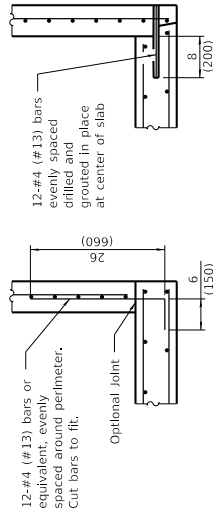
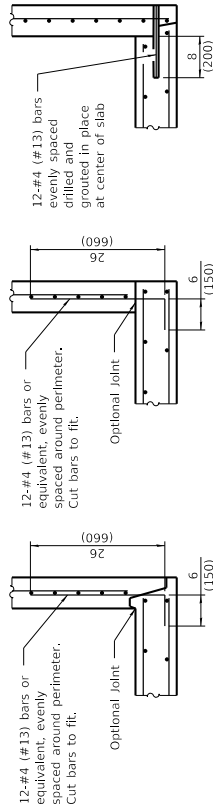
PLAN - FLAT SLAB TOP

(Showing layout of bottom reinforcement bars and c bars)



PLAN - FLAT SLAB TOP

(Showing layout of welded wire reinforcement and c bars)



SHEAR KEY GEOMETRY
(Reinforcement not shown for clarity)

BASE SLAB JOINT CONFIGURATIONS

PRECAST VALVE VAULT TYPE A
5' (1.52 m) DIAMETER
(Sheet 2 of 2)

STANDARD 602506-03

	ISSUED 1-1-18	
	PASSED	January 1, 2021
	APPROVED	January 1, 2021
	ENGINEER OF DESIGN AND ENVIRONMENT	



D	T	D ₃ (min.)	t
36 (900)	See applicable Standards	D + 21	6 (150)
4'-0" (1.2 m)			6 (150)
5'-0" (1.5 m)			8 (200)

GENERAL NOTES

GENERAL NOTE
The flat slab top may be used in lieu of the tapered tops shown on Standards 602001, 602016, or 602306 at the option of the Contractor or when field conditions prohibit the use of tapered tops.

Lifting holes shall be located in the sections as per the manufacturer's recommendations.

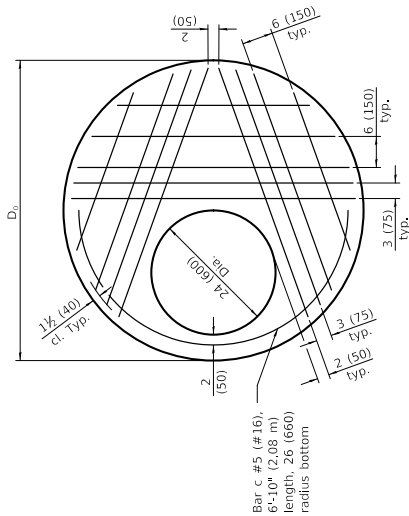
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-19	Expanded / refined reinforcement options,
1-1-18	Revised for compliance with LRFD.

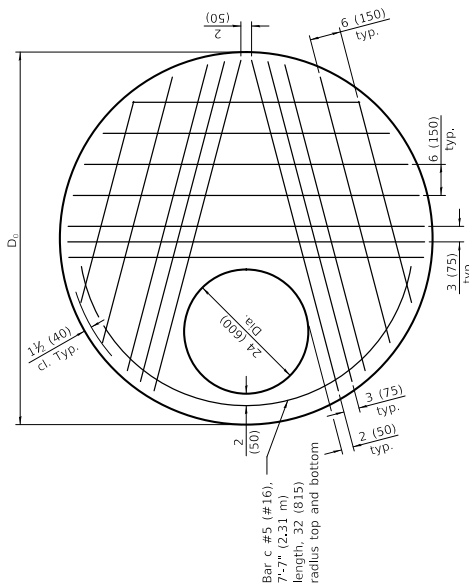
PRECAST REINFORCED CONCRETE FLAT SLAB TOP

(Sheet 1 of 2)

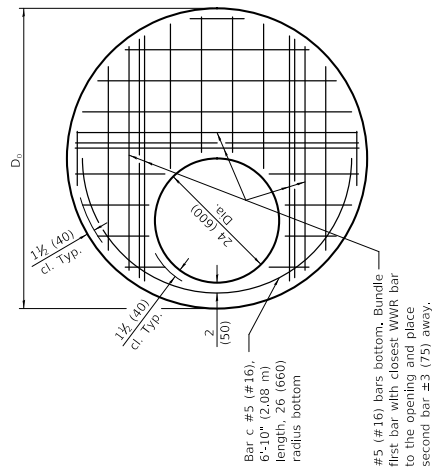
STANDARD 602601-06



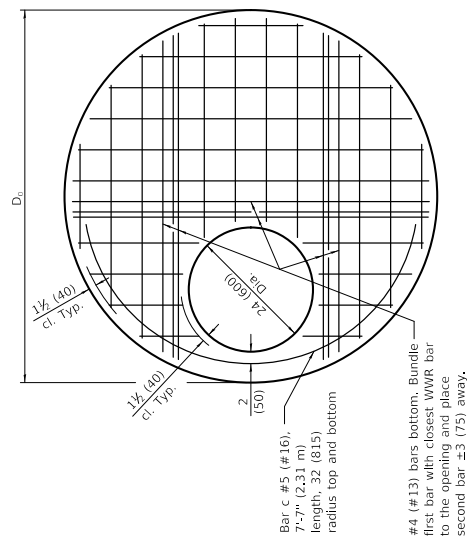
PLAN - FLAT SLAB TOP FOR D = 4'-0" (1.22 m)
(Showing layout of reinforcement bars and c bars)



PLAN - FLAT SLAB TOP FOR D = 5'-0" (1.52 m)
(Showing layout of bottom reinforcement bars and c bars)



PLAN - FLAT SLAB TOP FOR D = 4'-0" (1.22 m)
(Showing layout of welded wire reinforcement and c bars)



PLAN - FLAT SLAB TOP FOR D = 5'-0" (1.52 m)
(Showing layout of welded wire reinforcement and c bars)

FLAT SLAB TOP REINFORCEMENT FOR D = 36 (900)

Location	WWR (each direction)		Rebar	
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Bottom Mat	* 0.60 sq. in./ft. (1270 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#4 (#13)

FLAT SLAB TOP REINFORCEMENT FOR D = 4'-0" (1.22 m)

Location	WWR (each direction)		Rebar	
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Bottom Mat	* 0.62 sq. in./ft. (1312 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#5 (#16)

FLAT SLAB TOP REINFORCEMENT FOR D = 5'-0" (1.52 m)

Location	WWR (each direction)		Rebar (each direction except as noted)	
	A _s (min.)	Spacing (max.)	A _s (min.)	Spacing (max.)
Top Mat	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)	0.11 sq. in./ft. (233 sq. mm/m)	18 (450)
Bottom Mat	* 0.40 sq. in./ft. (847 sq. mm/m)	6 (150)	See plan view for rebar orientation and spacing and this table for bar size	#4 (#13)

* Only one layer of WWR permitted to avoid congestion.

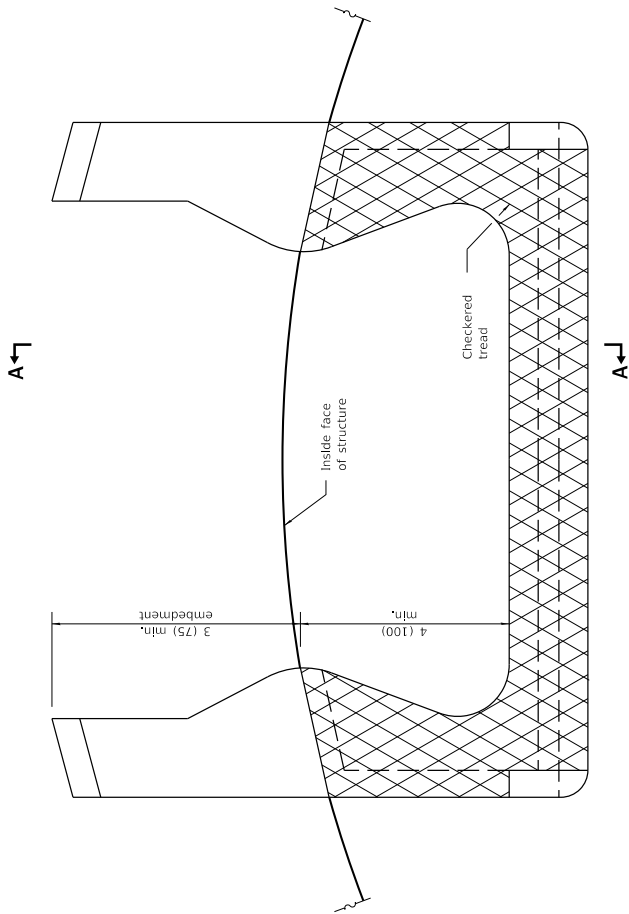
	PASSED		ISSUED 1-1-07
	January 1, 2019		
	ENGINEER OF POLICY AND PROCEDURES		
	APPROVED		January 1, 2019
		ENGINEER OF DESIGN AND ENVIRONMENT	

**PRECAST REINFORCED
CONCRETE FLAT SLAB TOP**

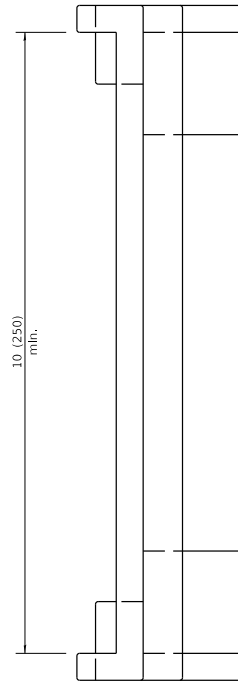
(Sheet 2 of 2)

STANDARD 602601-06

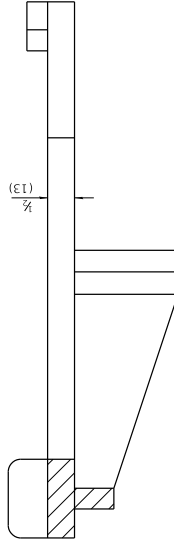
CAST IRON STEPS



PLAN VIEW



ELEVATION VIEW



SECTION A-A

All dimensions are in inches (millimeters)
unless otherwise shown.

PASSED	January 1, 2009
	<i>Scott B. [Signature]</i>
ENGINEER OF POLICY AND PROCEDURES	
APPROVED	January 1, 2009
	<i>Lee E. [Signature]</i>
ENGINEER OF DESIGN AND ENVIRONMENT	

ISSUED 1-1-07

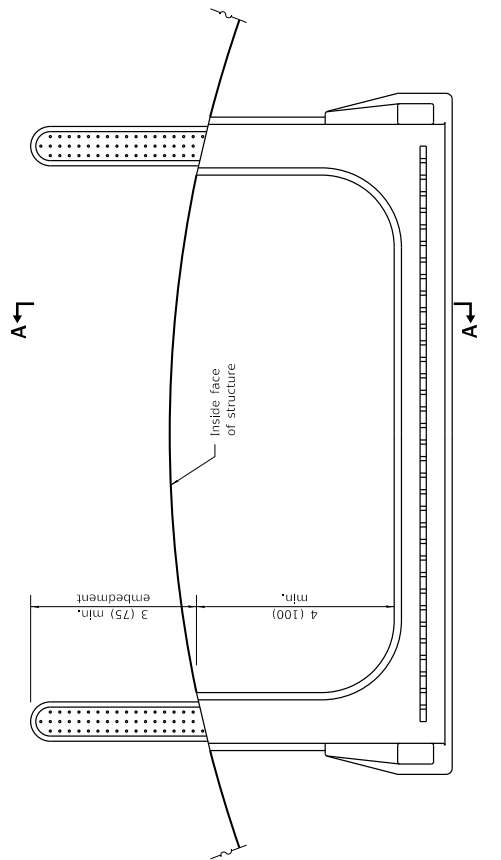
DATE	REVISIONS
1-1-09	Switched units to English (metric).
4-1-06	Revised title, drawings, and added plastic steps on sheet 2.

MANHOLE STEPS

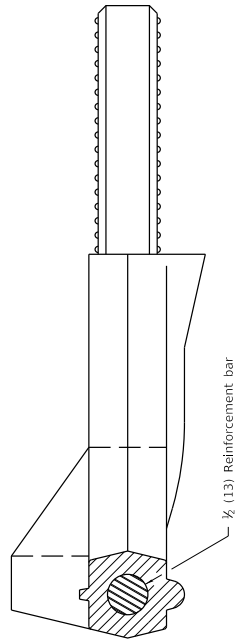
(Sheet 1 of 2)

STANDARD 602701-02

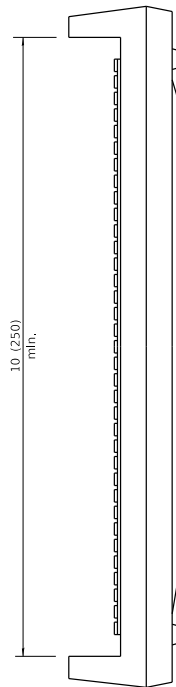
PLASTIC STEPS



PLAN VIEW



SECTION A-A



ELEVATION VIEW

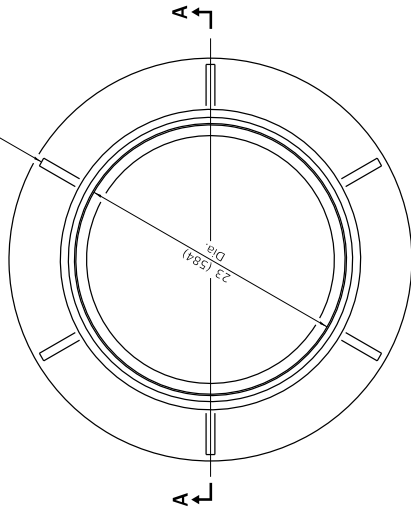
	Illinois Department of Transportation		ISSUED 1-1-07
	PASSED	January 1, 2009	
	ENGINEER OF POLICY AND PROCEDURES	<i>Spencer</i>	
	APPROVED	January 1, 2009	
	ENGINEER OF DESIGN AND ENVIRONMENT	<i>Lee E. Ho</i>	

MANHOLE STEPS

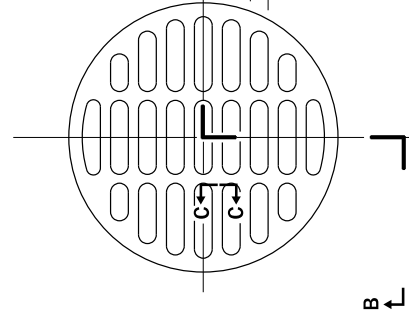
(Sheet 2 of 2)

STANDARD 602701-02

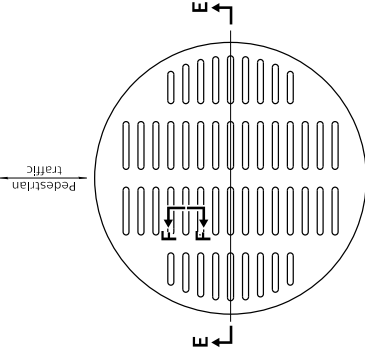
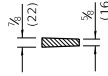
6 Gussets shown
10 permitted



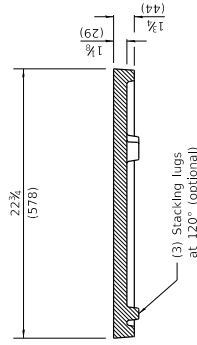
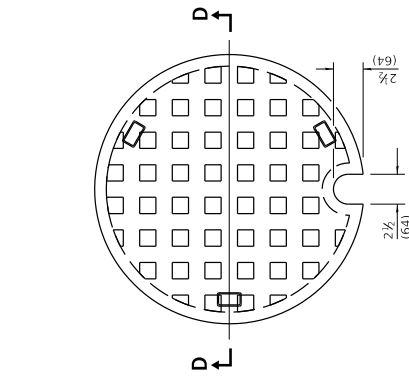
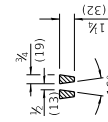
CAST FRAME



SECTION C-C



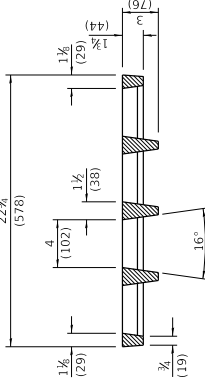
SECTION F-F



SECTION D-D

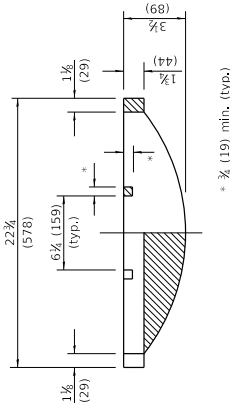
CAST CLOSED LID

Gray Iron Lid



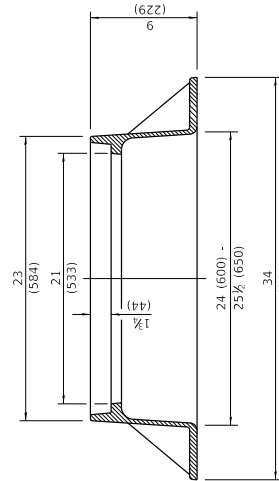
SECTION E-E

ADA COMPLIANT CAST OPEN LID



SECTION B-B

CAST OPEN LID



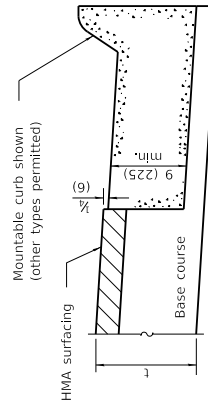
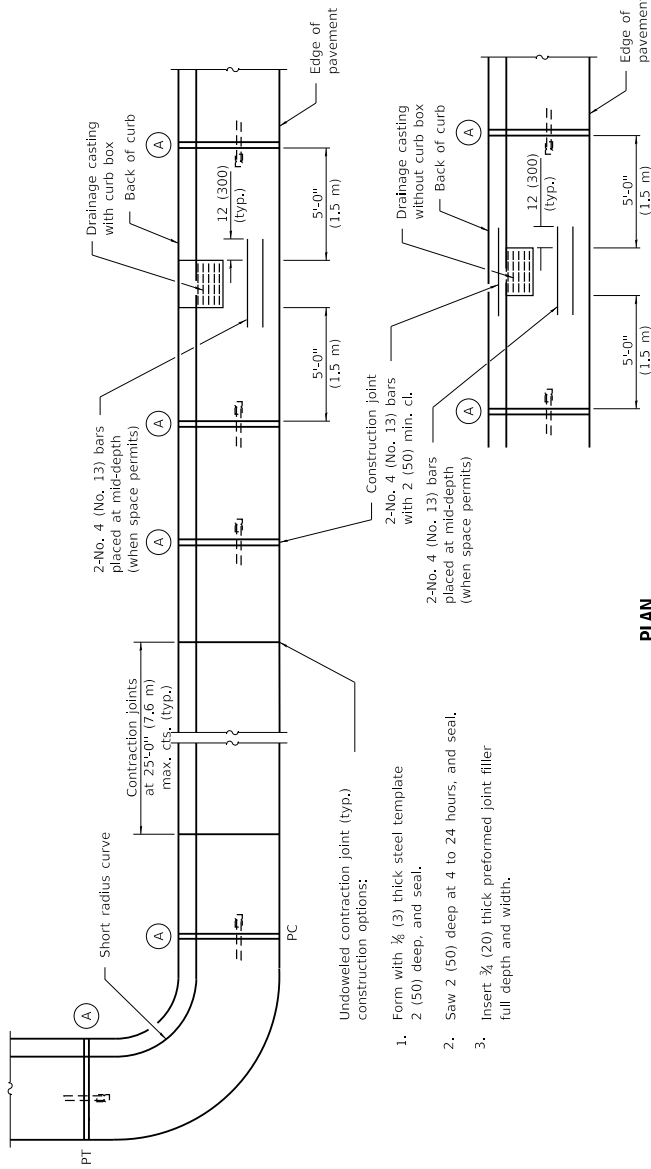
SECTION A-A

Gray Iron

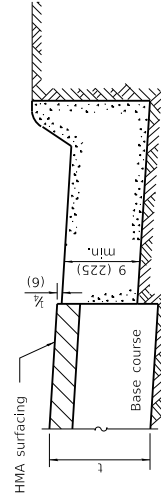
All dimensions are in inches (millimeters)
unless otherwise shown.

FRAME AND LIDS TYPE 1		STANDARD 604001-05	
DATE	REVISIONS		
1-1-20	Revised dimension in Section B-B of cast open lid.		
1-1-15	Revised dimensioning of frame. Added ADA compliant open lid.		
1-1-09	Switched units to English (metric).		

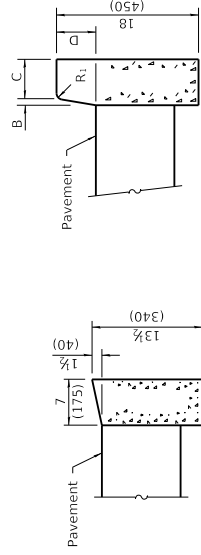
Illinois Department of Transportation		ISSUED 1-1-1-1-07
PASSED	2020	
APPROVED	2020	
ENGINEER OF POLICY AND PROCEDURES	2020	
ENGINEER OF DESIGN AND ENVIRONMENT	2020	



ON DISTURBED SUBGRADE

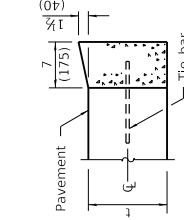


ON UNDISTURBED SUBGRADE



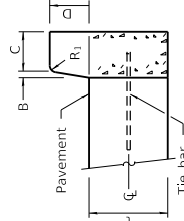
DEPRESSED CURB

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE



BARRIER CURB

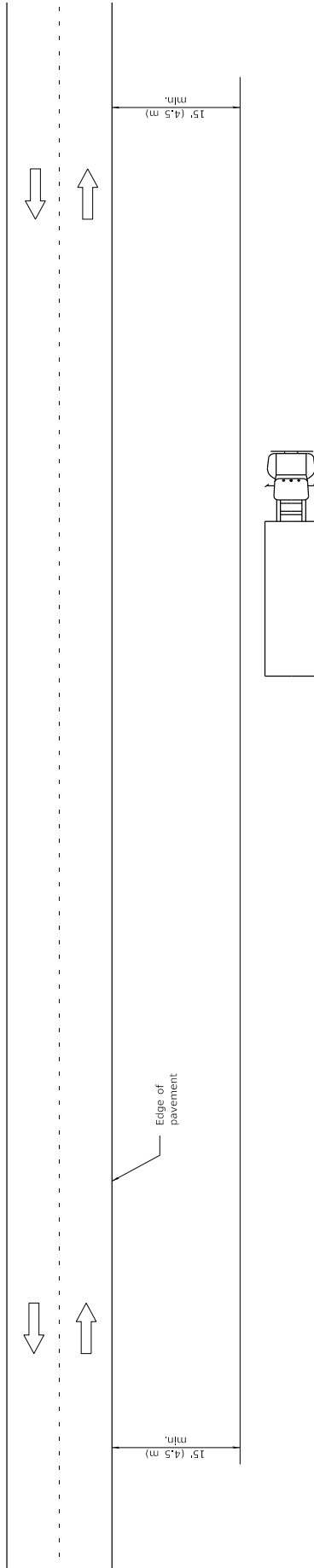
CONCRETE CURB TYPE B

ADJACENT TO FLEXIBLE PAVEMENT

**CONCRETE CURB TYPE B
AND COMBINATION
CONCRETE CURB AND GUTTER**
(Sheet 2 of 2)

STANDARD 606001-08

Illinois Department of Transportation PASSED ENGINEER OF POLICY AND PROCEDURES APPROVED ENGINEER OF DESIGN AND ENVIRONMENT	January 1, 2022	ISSUED 1-1-07
	Michael Bond	
	January 1, 2022	
	Schiller	



TYPICAL APPLICATIONS

- Landscaping work
- Utility work
- Fencing contracts and maintenance
- Cleaning culverts

GENERAL NOTES

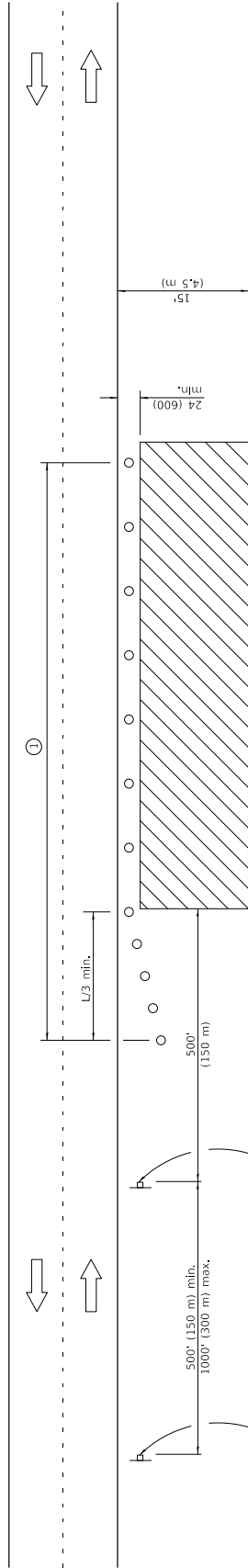
This Standard is used where at all times all vehicles, equipment, workers or their activities are more than 15' (4.5 m) from the edge of pavement.

When the work operation requires that two or more work vehicles cross the 15' (4.5 m) clear zone in any one hour, traffic control shall be according to Standard 701006.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE		REVISIONS	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
1-1-09		Switched units to English (metric).	
1-1-05		Revised title and notes.	
			STANDARD 701001-02

Illinois Department of Transportation PASSED January 1, 2009 ENGINEER OF OPERATIONS APPROVED January 1, 2009 ENGINEER OF DESIGN AND ENVIRONMENT		ISSUED 1-1-07
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For contract construction projects

W20-1103(0)-48

For maintenance and utility projects

W20-110(0)-48

W21-110(0)-48

TYPICAL APPLICATIONS

- Utility operations
- Culvert extensions
- Side slope changes
- Guardrail installation and maintenance
- Delineator installation
- Landscaping operations
- Shoulder repair
- Sign installation and maintenance

SYMBOLS

- Work area
- Sign
- Cone, drum or barricade

GENERAL NOTES

This Standard is used where any vehicles, equipment, workers or their activities will encroach in the area 15' (4.5 m) to 24' (600) from the edge of pavement.

Calculate L as follows:

SPEED LIMIT	FORMULAS	
	English	(Metric)
40 mph (70 km/h) or less:	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	$L = (W)(S)$	$L = 0.65(W)(S)$

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

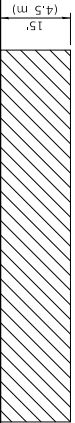
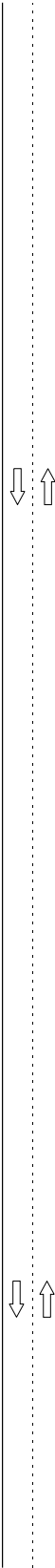
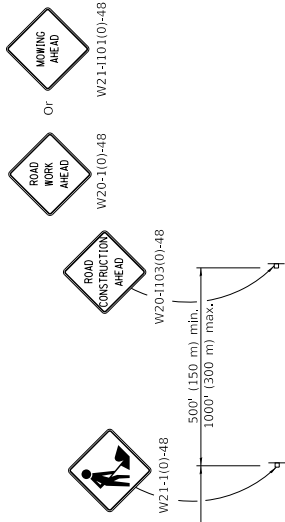
All dimensions are in inches (millimeters) unless otherwise shown.

OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE

STANDARD 701006-05

Illinois Department of Transportation PASSED January 2014 ENGINEER OF SAFETY ENGINEERING APPROVED January 1, 2014 ENGINEER OF DESIGN AND ENVIRONMENT		ISSUED 1-1-07
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DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Omitted text 'WORKERS' sign.



TYPICAL APPLICATIONS

Shoulder work
Utility operations

For contract
construction
projects

For
maintenance
and utility
projects

- ① Minimum distance is 200' (60 m). Maximum distance to be determined by the Engineer but should not exceed 1/2 the length required for one normal working day's operation, or 4 miles (6.4 km) whichever is less.

GENERAL NOTES

This Standard is used where at any time, any vehicle, equipment, workers or their activities require an intermittent or continuous moving operation on the shoulder, where the average speed is 1 mph (2 km/h) or less.

When the work operation does not exceed 60 minutes, traffic control may be according to Standard 701301.

All dimensions are in inches (millimeters) unless otherwise shown.

SYMBOLS



Work area



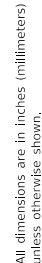
Sign

- Flagger with traffic control sign when required

Illinois Department of Transportation PASSED January 1, 2014 APPROVED January 1, 2014 ENGINEER OF DESIGN AND ENVIRONMENT		ISSUED 1-1-07
---	--	------------------------------

DATE	REVISIONS
1-1-14	Revised workers sign number to agree with current MUTCD.
1-1-13	Omitted text 'WORKERS' sign.

OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY	
STANDARD 701011-04	



DATE	REVISIONS	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
1-1-11	Revised flagger sign.	
1-1-09	Switched units to English (metric).	STANDARD 701301-04

SYMBOLS

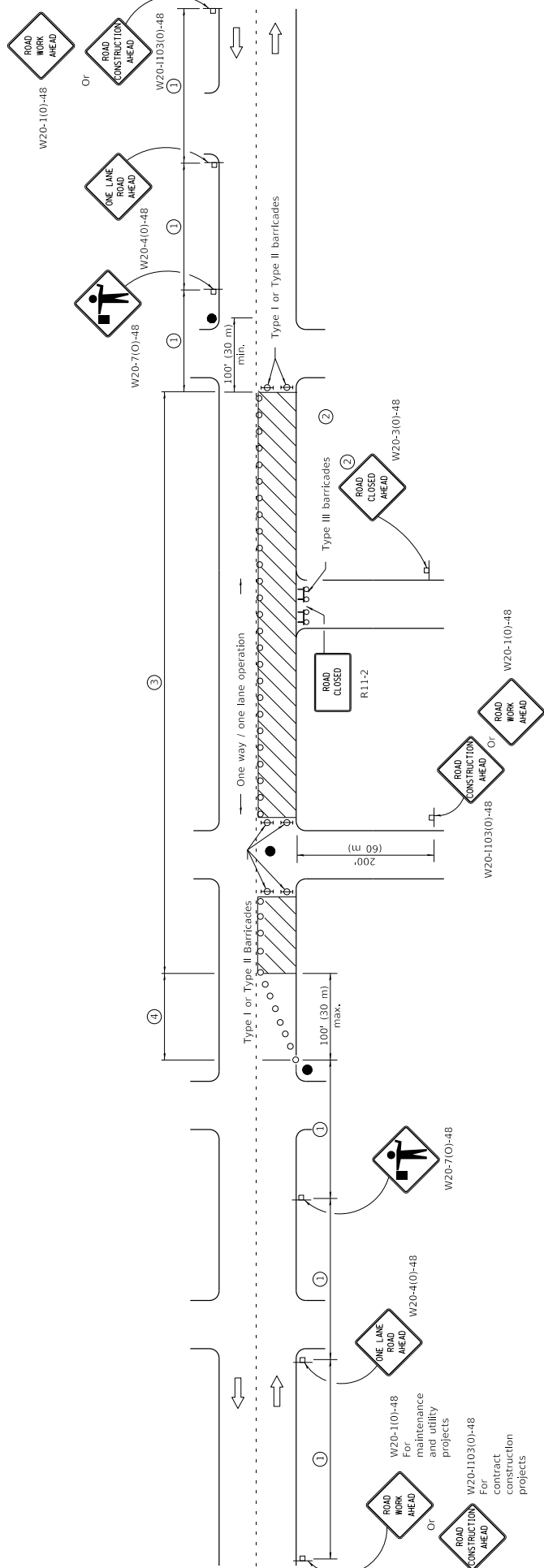
Work area
Sign on portable or permanent support
Flagger with traffic control sign

TYPICAL APPLICATIONS

Marking patches
Field survey
String line
Utility operations
Cleaning up debris on pavement

 Illinois Department of Transportation	ISSUED 1-1-97
	PASSED January 1, 1997  ENGINEER OF SAFETY ENGINEERING APPROVED January 1, 1997 

STANDARD 701301-04



SYMBOLS

SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
45	200' (60 m)

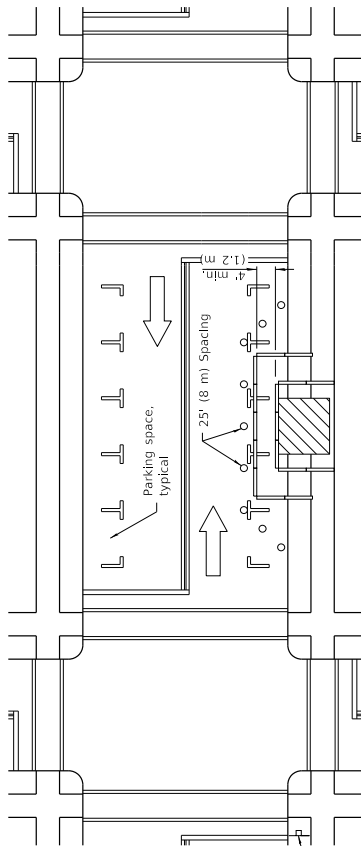
- | Symbol | Work area | Refer to SIGN SPACING TABLE for distances. |
|---|--|---|
|  | Work area | ① Refer to SIGN SPACING TABLE for distances. |
|  | Cone, drum or barricade (not required for moving operations) | ② For approved sideroad closures. |
|  | Sign on portable or permanent support | ③ Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled. |
|  | Flagger with traffic control sign | |
|  | Barricade or drum with flashing light | ④ Cones, drums or barricades at 20' (6 m) centers. |
|  | Type III barricade with flashing lights | |

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

All dimensions are in inches (millimeters) unless otherwise shown.

 Illinois Department of Transportation	PASSED	JANUARY 1, 2011
	 ENGINEER OF SAFETY INSPECTION	
	APPROVED	JANUARY 1, 2011
	 ENGINEER OF DESIGN AND ENVIRONMENT	
	ISSUED I-1-97	

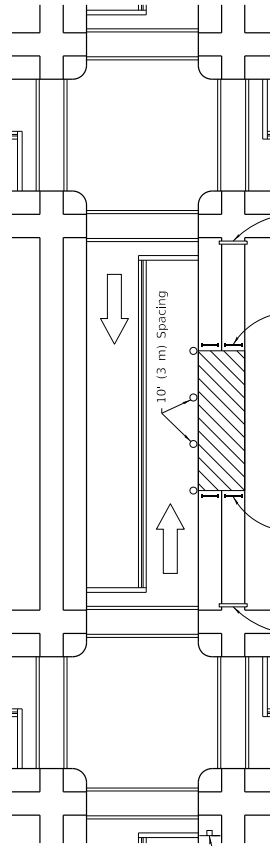


W20-1103(10)-48 for contract construction projects

Or

W20-1101-48 for maintenance and utility projects

SIDEWALK DIVERSION



W20-1103(10)-48 for contract construction projects

Or

W20-1101-48 for maintenance and utility projects

SYMBOLS

- Work area
- Sign on portable or permanent support
- Barricade or drum
- Cone, drum or barricade
- Type III barricade
- Detectable pedestrian channelizing barricade

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corner across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701801.

All dimensions are in inches (millimeters) unless otherwise shown.

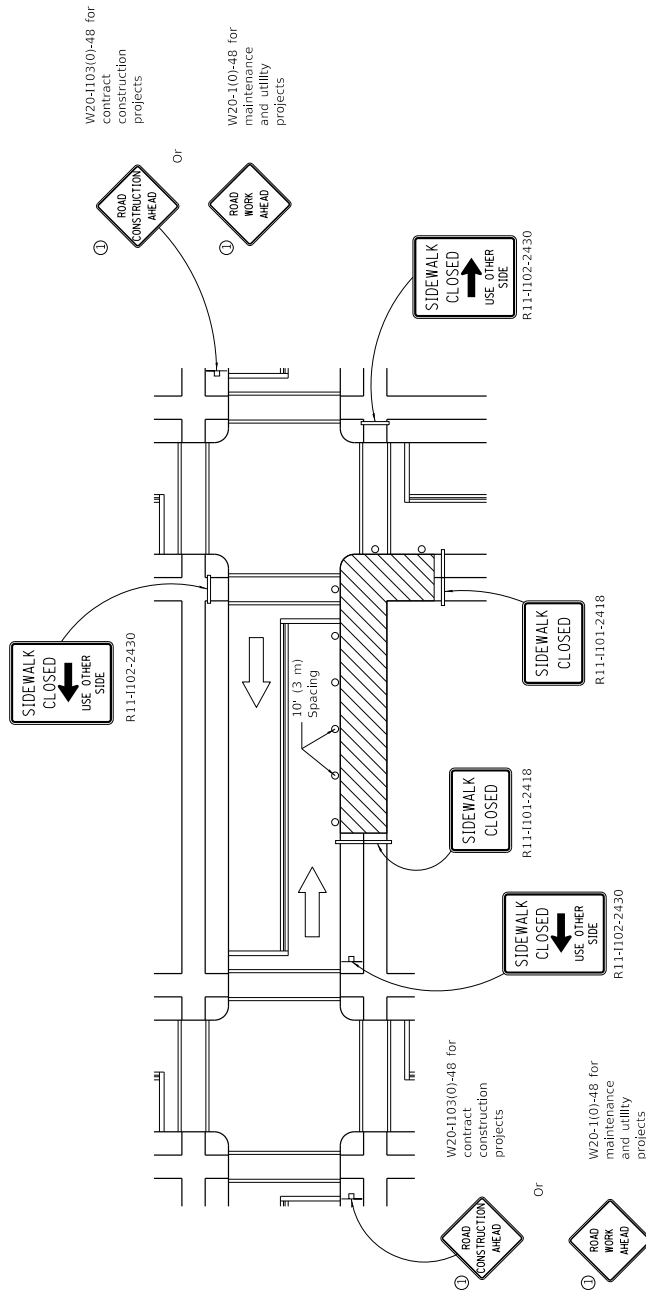
DATE	REVISIONS
4-1-16	Omitted orange safety fence from standard as this is covered in the std. spec.
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of plan views. Renamed Std.

SIDEWALK, CORNER OR CROSSWALK CLOSURE

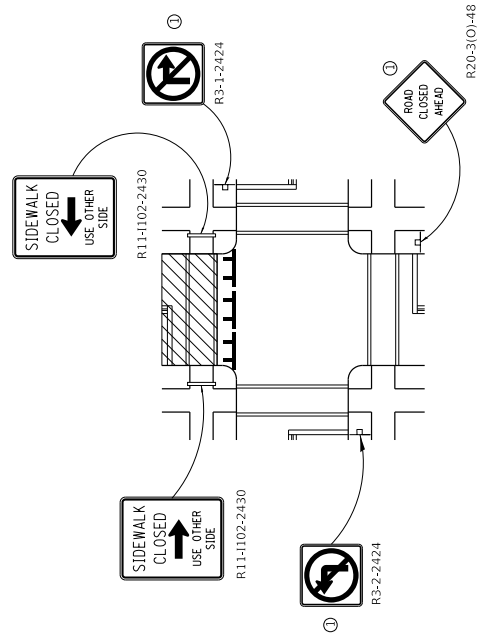
STANDARD 701801-06

(Sheet 1 of 2)

PASSED APRIL 1, 2016 ENGINEER OF SAFETY ENGINEERING APPROVED APRIL 1, 2016 ENGINEER OF DESIGN AND ENVIRONMENT	ISSUED 1-1-07 ILLINOIS Department of Transportation APRIL 1, 2016 ENGINEER OF SAFETY ENGINEERING APPROVED APRIL 1, 2016 ENGINEER OF DESIGN AND ENVIRONMENT
--	--



CORNER CLOSURE



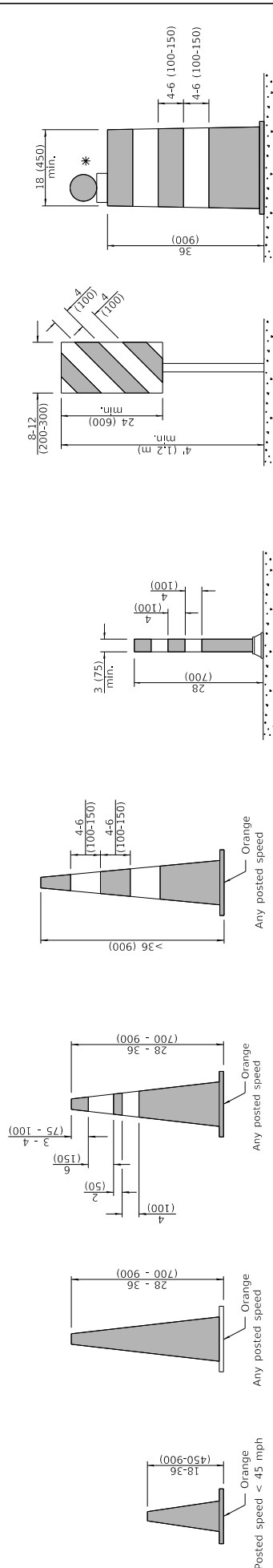
CROSSWALK CLOSURE

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

STANDARD 701801-06

	Illinois Department of Transportation April 1, 2016	
	PASSED 	2016 ENGINEER OF SAFETY
	APPROVED 	2016 ENGINEER OF DESIGN AND ENVIRONMENT
	ISSUED 1-1-07	



CONES

DAYTIME USE

Orange

Any posted speed

Orange

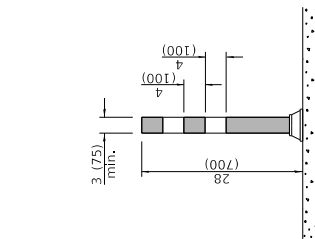
Any posted speed

DAY OR NIGHTTIME USE

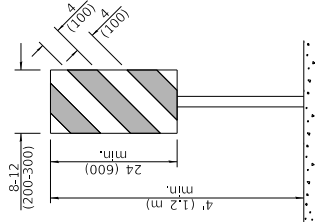
Orange

Any posted speed

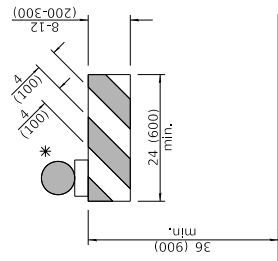
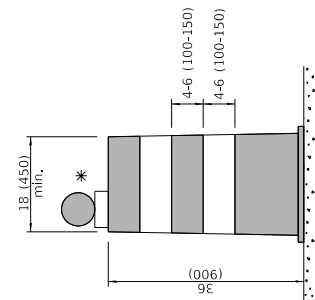
TUBULAR MARKER



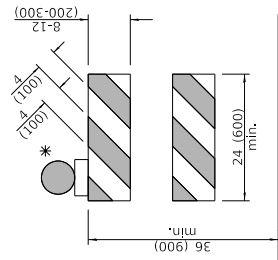
VERTICAL PANEL POST MOUNTED



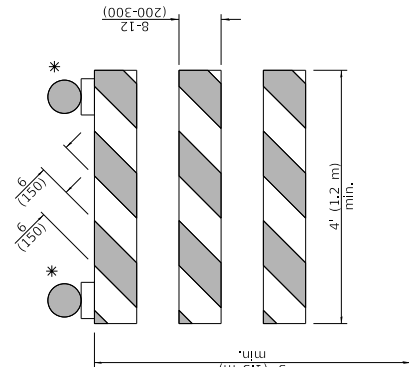
DRUM



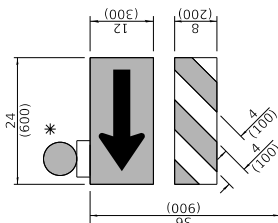
TYPE I BARRICADE



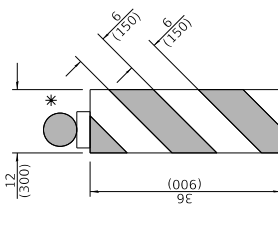
TYPE II BARRICADE



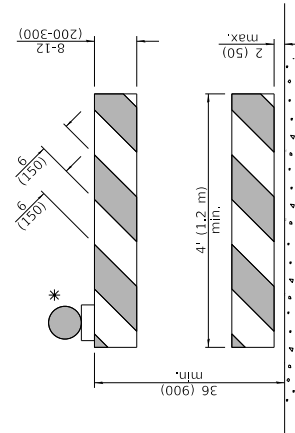
TYPE III BARRICADE



DIRECTION INDICATOR BARRICADE



VERTICAL BARRICADE



DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

* Warning lights (if required)

GENERAL NOTES

All heights shown shall be measured above the pavement surface.
All dimensions are in inches (millimeters) unless otherwise shown.

APPROVED	January 1, 2019
ENGINEER OF SAFETY PROC. AND ENGINEERING	January 1, 2019
APPROVED	January 1, 2019
ENGINEER OF DESIGN AND ENVIRONMENT	January 1, 2019

Illinois Department of Transportation

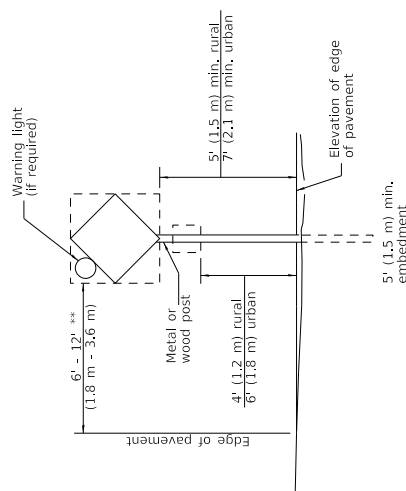
ISSUED 1-1-13

DATE	REVISIONS
1-1-19	Revised cone usage and added cones >36" (900 m) height.
1-1-18	Revised END WORK ZONE SPEED LIMIT sign from orange to white background.

TRAFFIC CONTROL DEVICES

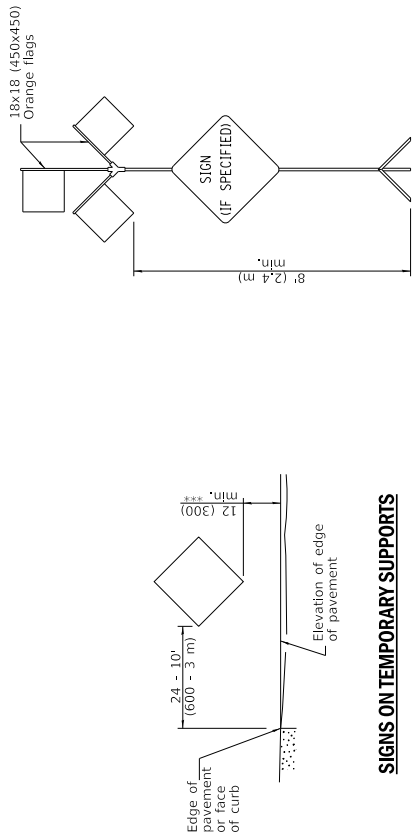
(Sheet 1 of 3)

STANDARD 701901-08



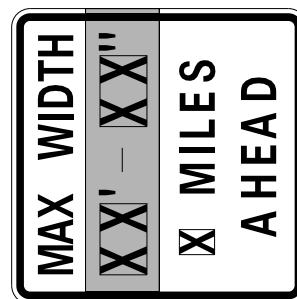
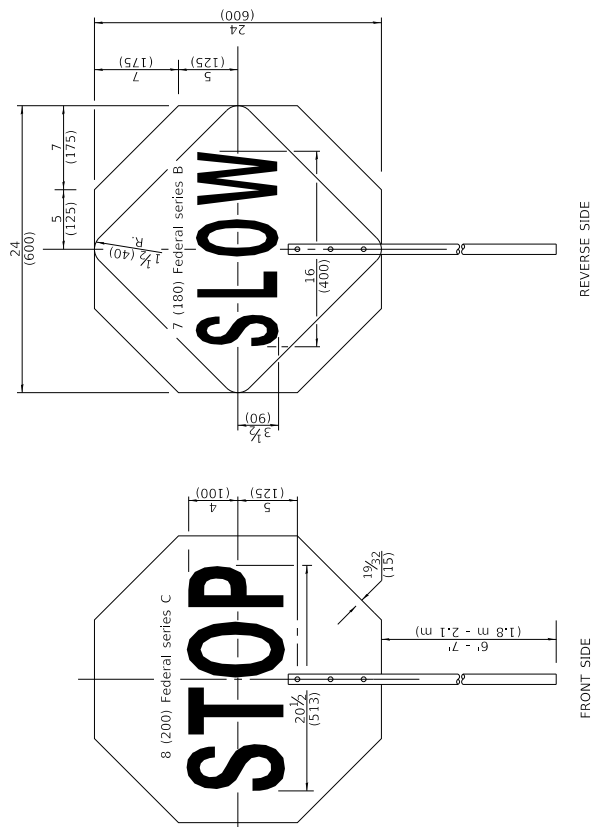
POST MOUNTED SIGNS

*** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1.8 m) to the outside edge of the paved shoulder.



HIGH LEVEL WARNING DEVICE

*** When work operations exceed four days, this dimension shall be 5' (1.5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



W12-I103-4848

WIDTH RESTRICTION SIGN

XX'-XX" width and X miles are variable.

ROAD
CONSTRUCTION
NEXT X MILES

END
CONSTRUCTION
G20-I105(0)-6024

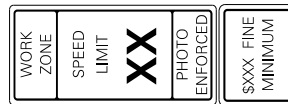
This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



W21-III5(0)-3618

R2-1-3648

R10-I108b-3618 *****

R2-I106p-3618

Sign assembly as shown on Standards or as allowed by District Operations.



G20-I103-6036

This sign shall be used when the above sign assembly is used.

HIGHWAY CONSTRUCTION
SPEED ZONE SIGNS

**** R10-I108p shall only be used along roadways under the jurisdiction of the State.

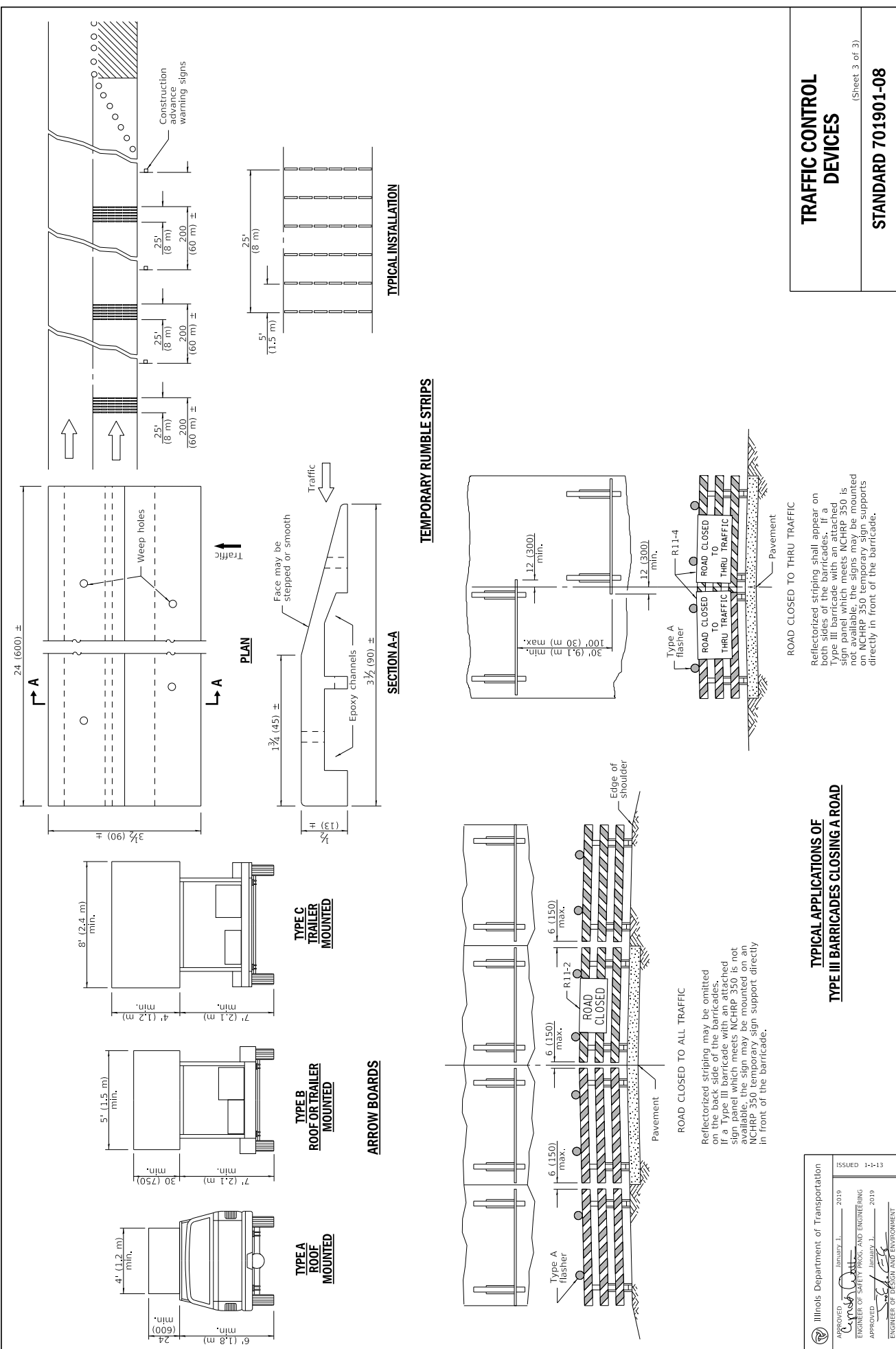
FLAGGER TRAFFIC CONTROL SIGN

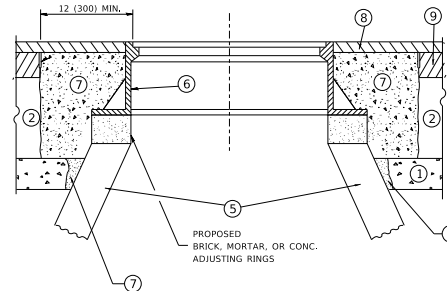
TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-08

 Illinois Department of Transportation	APPROVED _____ January 1, 2019 <i>Cynthia Tate</i> ENGINEER OF SAFETY PROG. AND ENGINEERING	ISSUED 1-1-13
	APPROVED _____ January 1, 2019 <i>Timothy Egan</i> ENGINEER OF DESIGN AND ENVIRONMENT	





NOTES

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION, THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-1 ■ CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT, UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY
STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE
RECONSTRUCTION.
NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL
BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

PLOT NAME: 05-14-04	USER NAME → feashen	DESIGNED → R. SHAH	REVISED → R. WEDEMAN 05-14-04	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN →	REVISED →	REVISED → R. BORO 01-01-07										
	CHECKED →	REVISED →	REVISED → R. BORO 03-09-11										
	DATE → 10-25-94	REVISED →	REVISED → R. BORO 12-06-11										
	SCALE: NONE				SHEET 1 OF 1 SHEETS			STA.	TO STA.		BD60-03 (BD-8)		
								CONTRACT NO.					



Diagram illustrating the saw cut and butt joint for HMA surface removal and milling. The diagram shows a cross-section of the existing pavement (EXIST. PAVEMENT) and the existing HMA surface (EXIST. HMA SURFACE). A saw cut is shown, with a 4'-6" (1.35 m) pay limit for the butt joint. The diagram includes labels for the proposed HMA surface removal, the proposed pay limit of HMA surface removal, the full thickness of milling, the temporary ramp (NOTE "C"), the temporary ramp (NOTE "E"), the saw cut (INCLUDED IN THE COST OF HMA SURFACE REMOVAL - BUTT JOINT), the 1 1/2 (45) for E and F mix, the 1 1/2 (40) for C and D mix, and the temporary HMA ramp.

HMA CONSTRUCTED TEMPORARY RAMP
(BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL - BUTT JOINT".
*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

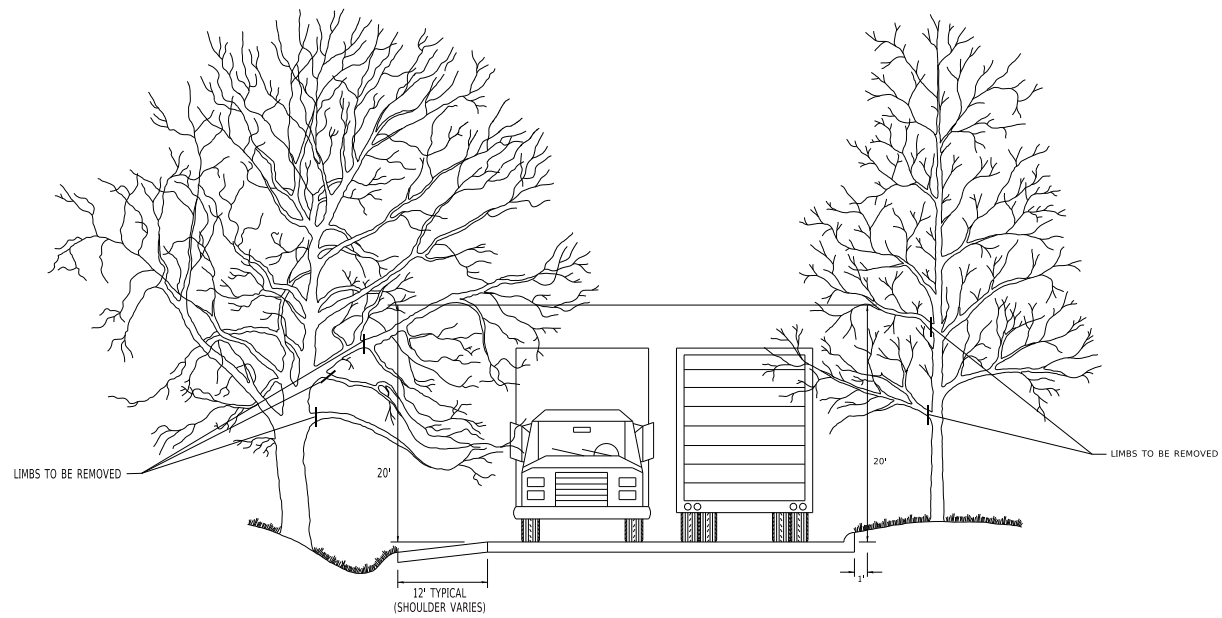
THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE
PER SQUARE YARD (SQUARE METER)
FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR
FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS					F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					BD400-05 BD32		CONTRACT NO.		
SCALE: NONE	SHEET 1	OF 1	SHEETS	STA. _____ TO STA. _____	UNIQUE ID AND PROJECT				

Model: Default
File Name: prunedotdocuments\DOT Office\Buck + B\Projects\B45022-B4CAD\Drawings\Drawings\B45022-11.dwg
3/11/2019 2:15:32 PM User: daniel



USER NAME	rootenq	DESIGNED	-	REVISED	-	R. BORO 10-31-06
DRAWN	-	REVISOR	-	REVISOR	-	
PLOT SCALE	1"=50.0000' ± / 1"=50'	CHECKED	-	REVISOR	-	
PLOT DATE	3/11/2019	DATE	-	REVISOR	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRUNING FOR SAFETY AND
EQUIPMENT CLEARANCE

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BM-20		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

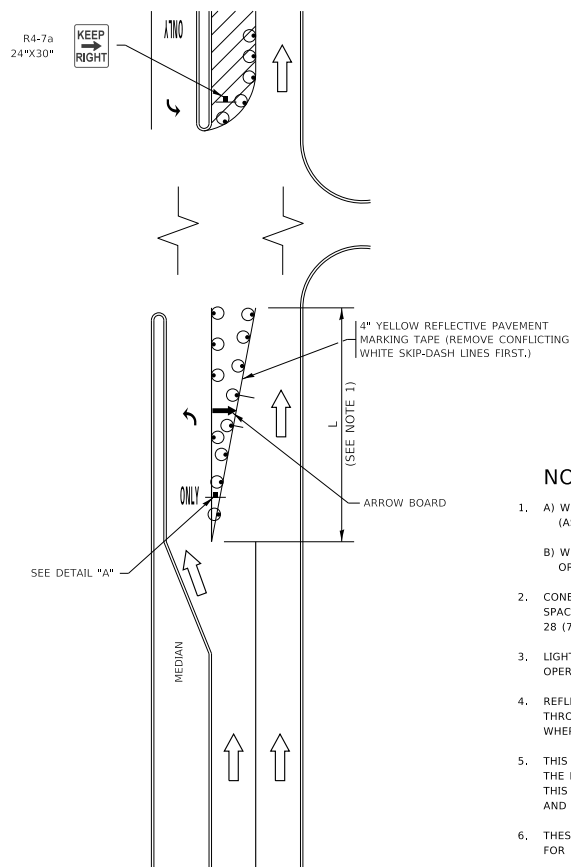
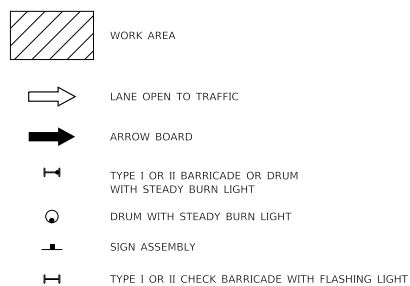


FIGURE 1

LEGEND



NOTES:

1. A) WHEN "L" IS $\leq$ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN, UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

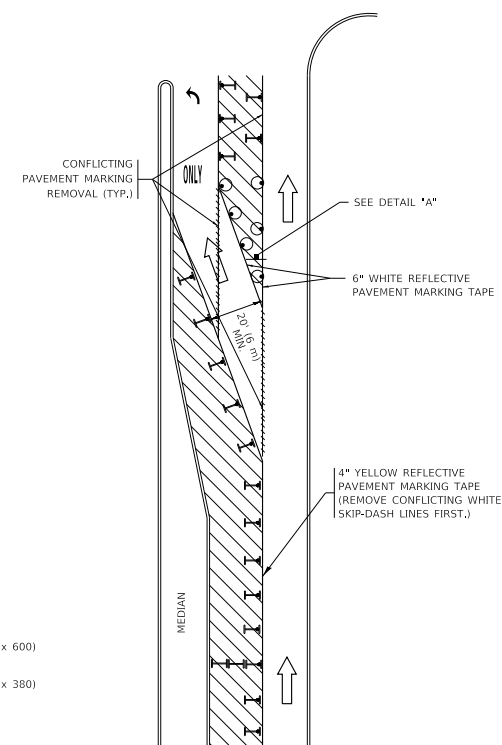
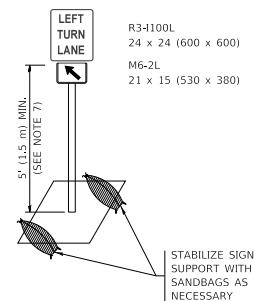


FIGURE 2



DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME	-rooting	DESIGNED	-T. RAMMACHER 09-08-94	REVISED	- R. BORO 09-14-09
DRAWN	- A. HOUSEH 11-07-95	REVISOR	- A. SCHUETZE 07-01-13		
CHECKED	- A. HOUSEH 10-12-96	REVISOR	- A. SCHUETZE 09-15-16		
DATE	-T. RAMMACHER 01-06-00	REVISOR			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-14			

STATE OF ILLINOIS
ILLINOIS WORKS JOBS PROGRAM ACT APPRENTICESHIP INITIATIVE BUDGET SUPPLEMENT
FOR PUBLIC WORKS PROJECTS FUNDED BY STATE APPROPRIATED CAPITAL FUNDS

Grantee Instructions: Please complete this form as soon as: (1) the estimated total project costs (Part I) are known; **and** (2) the prevailing wage classifications and estimated hours are known (**only required if the estimated total project costs are over \$500,000**). See Part III.C. This supplement form should only be completed once and must be submitted to the grant-funding State Agency no later than at the time the first periodic reports are due.*

Part I. Organization and Project Information

Organization Name		NOFO Number (if known)	
Grant/Contract/Loan Number		Grant/Contract/Loan Term	
Project Description			
Estimated Total Project Cost		Estimated Project Term	

1. Do the State Funding and Non-State Funding on Sections A and B of the Uniform Capital Grant Budget Template **total \$500,000 or more**:

☐ Yes ☐ No

If Yes, please complete the remainder of this supplement form.

If No, please only complete Part I and Part IV of this form. The State Agency funding the grant opportunity must maintain this form in its grant file.

*For grants with an estimated total project cost of \$500,000 or more, the grantee will be required to comply with the Illinois Works Apprenticeship Initiative (30 ILCS 559/20-20 to 20-25) and the applicable administrative rules at 14 Ill. Admin. Code Part 680. The “estimated total project cost” is a good faith approximation of the costs of an entire project being paid for in whole or in part by appropriated capital funds to construct a public work. Operational costs are not included in the calculation of estimated total project costs. The goal of the Illinois Apprenticeship Initiative is that apprentices will perform either 10% of the total labor hours actually worked in each prevailing wage classification or 10% of the estimated labor hours in each prevailing wage classification, whichever is less. (Rev. 10/15/23)

Part II. Applicable Apprenticeship Goal

Please respond to question number 1 OR 2 as applicable:

1. For projects estimated to receive \$500,000 or more in appropriated capital funds:

Is the percentage of State contribution of appropriated capital funds to the overall project 50% or more of the estimated total project cost:

☐ Yes ☐ No

If Yes, the 10% apprenticeship goal applies to all prevailing wage eligible work performed on the entire project.

If No, the 10% apprenticeship goal applies only to prevailing wage eligible work being funded by State appropriated capital funds.

2. For projects estimated to receive less than \$500,000 in appropriated capital funds:

Is the percentage of State contribution of appropriated capital funds to the overall project 50% or more of the estimated total project cost:

☐ Yes ☐ No

If Yes, the 10% apprenticeship goal applies to all prevailing wage eligible work performed on the entire project.

If No, the 10% apprenticeship goal does not apply.

Part III. Apprenticeship Goal Compliance (Please answer Parts A, B and C as noted.)

A. Based on the answer provided above in number 1 or 2 in Part II:

- ☐ the 10% apprenticeship goal applies to all prevailing wage eligible work performed on the entire project. (Complete Parts B and C, below. Provide detailed information on prevailing wage classifications for **both** the State appropriated capital funds and the remainder of the project in Part C.)
- ☐ the 10% apprenticeship goal applies only to prevailing wage eligible work being funded by State appropriated capital funds. (Complete Parts B and C, below. Provide detailed information on prevailing wage classifications for **only** the State appropriated capital funds in Part C.)
- ☐ the 10% apprenticeship goal does not apply at all. (If this box is checked, please skip Parts B and C.)

B. The Organization:

- ☐ Will fully comply with the 10% apprenticeship goal.
- ☐ Will seek a partial or complete reduction of the 10% apprenticeship goal. (Submit a reduction/waiver request form to the grant-funding Agency.)
- ☐ Will seek a complete waiver of the 10% apprenticeship goal. (Submit a reduction/waiver request form to the grant-funding Agency.)
- ☐ Will seek a partial waiver of the 10% apprenticeship goal. (Submit a reduction/waiver request form to the grant-funding Agency.)

- C. Complete this chart, below to provide the total hours estimated for work on the project for each prevailing wage classification as directed in Part III.A, above.

Prevailing wage classifications and rates can be found from the Illinois Department of Labor. Please visit <https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx> for rate and classification information.

County

Prevailing Wage Classification	Estimated Total Hours

Part IV. Organization Certification and State Agency Acknowledgement

1. Organization Certification:

By signing this form, I certify to the best of my knowledge and belief that the form is true, complete and accurate and that any false, fictitious or fraudulent information or the omission of any material fact could result in the immediate termination of my grant award(s).

Institution/Organization Name:

Printed Name (Executive Director or equivalent):

Title (Executive Director or equivalent):

Signature (Executive Director or equivalent):

Date/Time Field

2. State Agency Acknowledgement:

State Agency

Printed Name

Title

Signature:

Date/Time Field

State Agency Instructions: If, after completion of this supplement form, the State Agency reviewing the form determines that an apprenticeship goal does apply to this grant, please forward this form to the Department of Commerce and Economic Opportunity at CEO.ILWorks@illinois.gov. If the State Agency determines that no apprenticeship goal applies to this grant, the State Agency should maintain a copy of this form in its grant file.



**Illinois
Department of Commerce
& Economic Opportunity**

JB Pritzker, Governor

**Illinois Works Jobs Program Act
Request for Waiver or Reduction of Public Works Project
Apprenticeship Goals**

(30 ILCS 559/20-20(b); 14 Ill. Admin. Code 680.40)

*Submit the completed form and all supporting documents to your State Agency issuing the Contract/
Grant/Loan for review and make their recommendation to Illinois Works for final evaluation.*

Requestor Information

Requesting Entity Name

Requesting Entity's Roll in
Project (e.g., grantee,
contractor, subcontractor)

Requestor Name

Requestor Phone #

Requestor Email

Date Submitted

Project Information

(Please submit the State contract or grant agreement if it has been executed, or all application materials if the contract or grant agreement has not yet been issued.)

Is the requestor seeking or
receiving a State contract
for this project? (Y/N)

Is the requestor seeking or
receiving a State grant for
this project? (Y/N)

State Agency issuing
Contract/Grant/Loan

Contract/Grant/Loan
Number(s) (if known)

Project Name (optional)

Project Description (include
a description of both the
contract or grant and the
larger project, if applicable)

Project Location
(city and county)

Total Estimated Project Cost*
(Cost of the overall project including amounts awarded through the contract or grant. Please submit all documentation supporting the total estimated project cost.)

Total Contract or Grant Amount Awarded, or Requested from State Agency, if Award decision not yet made.

Percentage of State appropriated capital funds contribution through contract or grant of the total estimated cost of the overall project.

Apprenticeship Goal Waiver or Reduction Information

What is the apprenticeship goal based on the total estimated project cost and the State's contribution? Please check one box only. (See Budget Supplement Form Part III.A.)

- ☐ the 10% apprenticeship goal applies to all prevailing wage eligible work performed on the entire project.
- ☐ the 10% apprenticeship goal applies only to prevailing wage eligible work being funded by State appropriated capital funds.

Is a goal waiver and/or goal reduction being requested? (Please check all boxes that are applicable.)

- ☐ waiver
- ☐ reduction

Specify the Basis for the Request (Please check all boxes that are applicable.)

- ☐ Insufficient apprentices are available.
- ☐ The reasonable and necessary requirements of the contract or grant do not allow the goal to be met.
- ☐ There is a disproportionately high ratio of material costs to labor hours that makes meeting the goal infeasible.
- ☐ Apprentice labor hour goals conflict with existing requirements, including federal requirements, in connection with the public work.

Explanation of the basis for this request. (Please provide details explaining the need for the request, including a description of the specific waiver and/or reduction being requested, plus submit all documents that support the request.)

*The "estimated total project cost" is a good faith approximation of the costs of an entire project being paid for in whole or in part by appropriated capital funds to construct a public work. Operational costs are not included in the calculation of estimated total project costs.

Statute(s) or rule(s) that support the request. (if applicable)

--

Has the requesting entity received a reduction or waiver on other projects? If yes, please list the applicable contracts or grants and the waivers or reductions received and the dates they were received.

--

Apprenticeship Goal Waiver or Reduction Requested

Directions: Complete the applicable chart, below to demonstrate the apprenticeship goals the requesting entity is seeking for each prevailing wage classification.

- a. For projects for which the 10% apprenticeship goal applies to all prevailing wage eligible work performed on the entire project, complete chart “A” and provide detailed information on prevailing wage classifications for **both** the State appropriated capital funds and the remainder of the project.
- b. For projects for which the 10% apprenticeship goal applies only to prevailing wage eligible work being funded by State appropriated capital funds, complete chart “B” and provide detailed information on prevailing wage classifications for **only** the State appropriated capital funds.

Prevailing wage classifications and rates can be found from the Illinois Department of Labor. Please visit <https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx> for rate and classification information.

A. Apprenticeship Goals for Entire Project (complete if goal applies to entire project)

County

A. Prevailing Wage Classification	B. Estimated Total Hours	C. % Goal for Apprenticeship Hours for Classification	D. Estimated Apprenticeship Hours (multiply columns B & C)	E. Source of Funds

B. State-Funded Grant Apprenticeship Goals (complete if goal applies only to State appropriated capital funds)

County

A. Prevailing Wage Classification	B. Estimated Total Hours	C. % Goal for Apprenticeship Hours for Classification	D. Estimated Apprenticeship Hours (multiply columns B & C)

Entity Certification:

By signing this form, I certify to the best of my knowledge and belief that the form is true, complete and accurate and that any false, fictitious or fraudulent information or the omission of any material fact could result in the immediate termination of my grant award(s) or contract(s).

Institution/Organization Name:

Title (Executive Director or equivalent):

Printed Name (Executive Director or equivalent):

Signature (Executive Director or equivalent):

Date

For State Agency Use:

The State Agency has reviewed the request for a reduction and/or waiver of the apprenticeship goal and any supporting documentation submitted and recommends as follows:

- ☐ Approve request.
- ☐ Deny request.
- ☐ Approve request in part and deny in part.
- ☐ Additional information requested.
- ☐ Public hearing is recommended prior to a determination (30 ILCS 559/20-20(b); 14 Ill. Admin Code 680.40(b)).

State Agency Explanation for Recommendation (Must be completed by State Agency. Please note if the State Agency has applied for or received a goal deviation for a federal construction program (14 Ill. Admin Code 680.70) and the deviation number, if one was granted):

State Agency

Title

Printed Name

E-mail address

Signature

Date

The State Agency should submit the completed form and documents to the Department of Commerce and Economic Opportunity at CEO.ILWorks@illinois.gov.

For Department of Commerce and Economic Opportunity Use:

Determination:

- ☐ Request Approved.
- ☐ Request Denied.
- ☐ Request approved in part and denied in part (See explanation and modified goals chart(s) below).
- ☐ Additional Information Requested. See comments below.
- ☐ Public hearing is required prior to a determination (30 ILCS 559/20-20(b); 14 Ill. Admin Code 680.40(b)). The Department of Commerce and Economic Opportunity will provide additional information on the public hearing.

Additional comments:

Kristine A. Richards, Director
Department of Commerce and Economic Opportunity

Date

Apprenticeship goal waiver or reduction approved as modified, below (completed by the Department of Commerce and Economic Opportunity)

A. Apprenticeship Goals for Entire Project (complete if goal applies to entire project)

County

A. Prevailing Wage Classification	B. Estimated Total Hours	C. % Goal for Apprenticeship Hours for Classification	D. Estimated Apprenticeship Hours (multiply columns B & C)	E. Source of Funds

B. State-Funded Grant Apprenticeship Goals (complete if goal applies only to State appropriated capital funds)

County

A. Prevailing Wage Classification	B. Estimated Total Hours	C. % Goal for Apprenticeship Hours for Classification	D. Estimated Apprenticeship Hours (multiply columns B & C)

Entity acceptance of modified goals approved by the Department of Commerce and Economic Opportunity

By signing below, I agree to the modified apprenticeship goals as indicated in the chart above for the contract or grant award(s) listed herein.

Institution/Organization Name:

Title (Executive Director or equivalent):

Printed Name (Executive Director or equivalent):

Signature (Executive Director or equivalent):

Date

ABC Construction

123 Main St., Chicago, IL 60001

1/1/2017

Pay Estimate #1 – Clarifying Statement

~~Kyle Johnson~~ Adam Dow
Civil Engineer II
Village of Buffalo Grove
~~51 Raupp Blvd.~~ 1650 Leider Lane
Buffalo Grove, IL 60089

Insert Sentence: All certified payroll reports have been submitted through the Illinois Department of Labor Certified Payroll portal at illinois.gov.portal.

ABC Construction has submitted all necessary certified payroll documentation for Pay Estimate #1 through January 1st, 2017. Payrolls included in this period are:

ABC Construction Week Ending 12/24/16 #1

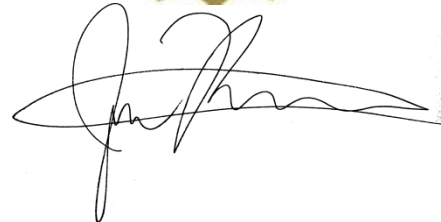
Week Ending 1/1/17 #2

Subcontractor 1 Week Ending 1/1/17 #1

Sincerely,



Joe Smith, Vice President



ABC Construction

123 Main St., Chicago, IL 60001

1/1/2017

Week of January 1st, 2017 – Weekly Update

~~Kyle Johnson~~ Adam Dow
Civil Engineer II
Village of Buffalo Grove
~~51 Raupp Blvd.~~ 1650 Leider Lane
Buffalo Grove, IL 60089

Here is the weekly update for the week of January 1 (weather permitting)
Monday, January 1 – Curb and concrete driveway removal on West side of Lauren and North side of Mohawk. Access made temporary after removal but before pour.

Tuesday, January 2 – Curb and concrete driveway removal continues on North side Mohawk and East side of Gregg. Access made temporary after removal but before pour.

Wednesday, January 3 – Curb poured on West side of Lauren, North Side of Mohawk and East side of Gregg.

Thursday, January 4 – Concrete driveways and sidewalks poured Lauren, Mohawk, and Gregg.

Friday, January 5 – Structure adjustments and any remaining concrete poured.

ABC Construction will pass out notices the day before notifying residents of this closing and will also knock on door the day of removal to avoid trapping any vehicles in. Concrete curb and aprons are scheduled to be poured starting Wednesday January 3 and there will be no access to driveways for seven days. ABC Construction will distribute a notification of this closure and explain your overnight parking options. Thank you for your patience throughout the ongoing project.

All streets in construction zone will be open but you will encounter delays as we load and unload materials. All driveways will be open during construction except for when we are installing water services directly adjacent to a driveway there will be a time where access will be limited. ABC will notify residents and make arrangements to ensure you have use of your vehicles during this time. Thank you again for your patience and understanding during construction.

Sincerely,



Joe Smith, Vice President

ABC Construction

123 Main St., Chicago, IL 60001
123-123-1234

1/1/2017

Driveway Closure Notice

Resident
Buffalo Grove, IL 60089

As part of the road rehabilitation process a portion of curb, and possibly a portion of your driveway apron, will be replaced. Please have all vehicles out of your driveway by 7 AM on;

_____, 2017
(day) (date)

During the rehabilitation process you will lose access to your driveway for a maximum of 7 working days from this date regardless of weather. If access is prior to the 7 days it will be recognizable by the removal of the barricades.

Parking: You may park on either side of the street as long as you are not inhibiting curb/driveway removal, consequential replacement of either or as otherwise noted by law. The Police Department has been notified and overnight parking restrictions have been lifted for all roadways under construction and the adjacent streets. For everyone's safety please do not park on the roadways under construction during working hours (7 AM to 6 PM, Monday thru Friday).

Notice: You have received this notice at least 1 day in advance of construction. As a courtesy, we will knock on your door one time the morning of the removal process. It is still up to you to have your car out by 7AM on the noted day. Thank you in advance for your cooperation.

This notice has been hand-delivered to you by the construction contractor, ABC Construction.

Any questions regarding this notice can be directed to the Project Manager Joe Smith at 321-765-4321.

Sincerely,



Joe Smith, Project Manager

3/31/2014
#100302
7/14/2016
#669681

SAMPLE LETTER OF CREDIT

ABC Bank
123 Main Street
Anywhere, Illinois

Irrevocable Standby Letter of Credit No. 1

Beneficiary:
Village of Buffalo Grove
Fifty Raupp Road
Buffalo Grove, IL 60089-219

Applicant:
Developer Company
Lake Cook Road
Buffalo Grove, IL 60089

Issue Date: October 18, 2012
Expiration Date: October 18, 2012

Gentlemen:

We hereby issue in your favor our Irrevocable Standby Letter of Credit No. 1 ("Letter of Credit") in favor of the Village of Buffalo Grove ("Beneficiary") on behalf of Developer Company ("Applicant"), up to the aggregate amount of \$171,026.94 (One Hundred Seventy One Thousand Two Hundred Fifty Nine and 94/100 United States Dollars) to be available by draft(s) at sight. This credit is issued presentable and payable at the offices of our ABC Bank 123 Main Street, Anywhere, Illinois Attn: Letter of Credit Department and expires at 5:00 PM Chicago time on October 18, 2013 (subject to extension of such expiry date, as provided below).

This Credit is available against presentation of draft(s) drawn at sight on ABC Bank, Anywhere, Illinois. All draft(s) drawn under this Letter of Credit must bear the clause "Drawn under ABC Bank Irrevocable Letter of Credit No. 1 dated October 18, 2012", and be accompanied by this original Letter of Credit (and amendments, if any) and a dated certificate of an authorized official agent of the Village of Buffalo Grove (signed as such), certifying that either:

- 1) Said Letter of Credit is about to expire and has not been extended; or
- 2) Work has not been completed and formally accepted by the President and Board of Trustees of the Village of Buffalo Grove, in accordance with the plans specification, and agreements (including amendments thereof) for the project commonly known as Residential Development on Main Street.

This Letter of Credit shall be automatically extended for an additional period of one year from the present and each future expiration date unless we have notified the Beneficiary in writing, no more than one hundred twenty (120) calendar days nor less than sixty (60) calendar days before such expiration date, that we elect not to extend this Letter of Credit. Our notice of such election shall be sent by certified mail overnight courier service to the above Beneficiary address Attention: Village Clerk. Drafts must be

presented to drawee bank no later than 5:00 PM Central Time on or before the expiry day. Upon receipt by you of our notice of election not to extend this Letter of Credit, you may draw hereunder prior to the then current expiration date of this Letter of Credit.

We hereby agree with you that drafts drawn under and in compliance with the terms of this Letter of Credit shall be honored no later than the close of the third banking day following the presentment. If we fail to honor same, we agree to pay all attorneys fees, court costs and other expenses incurred by the Village of Buffalo Grove in enforcing the terms of this Letter of Credit.

Cancellation of Letter of Credit prior to expiration: This Letter of Credit (and amendments, if any) must be returned to us for cancellation with a statement signed by the Beneficiary stating that the Letter of Credit is no longer required and is being returned to the issuing bank for cancellation.

Jurisdiction of this letter of Credit shall be in the State of Illinois and venue shall be Cook County.

Please address all correspondence regarding this Letter of Credit to the attention of our Letter of Credit Department mentioning our Letter of Credit as it appears above.

Very Truly Yours,

ABC Bank

By:

Its: Vice President

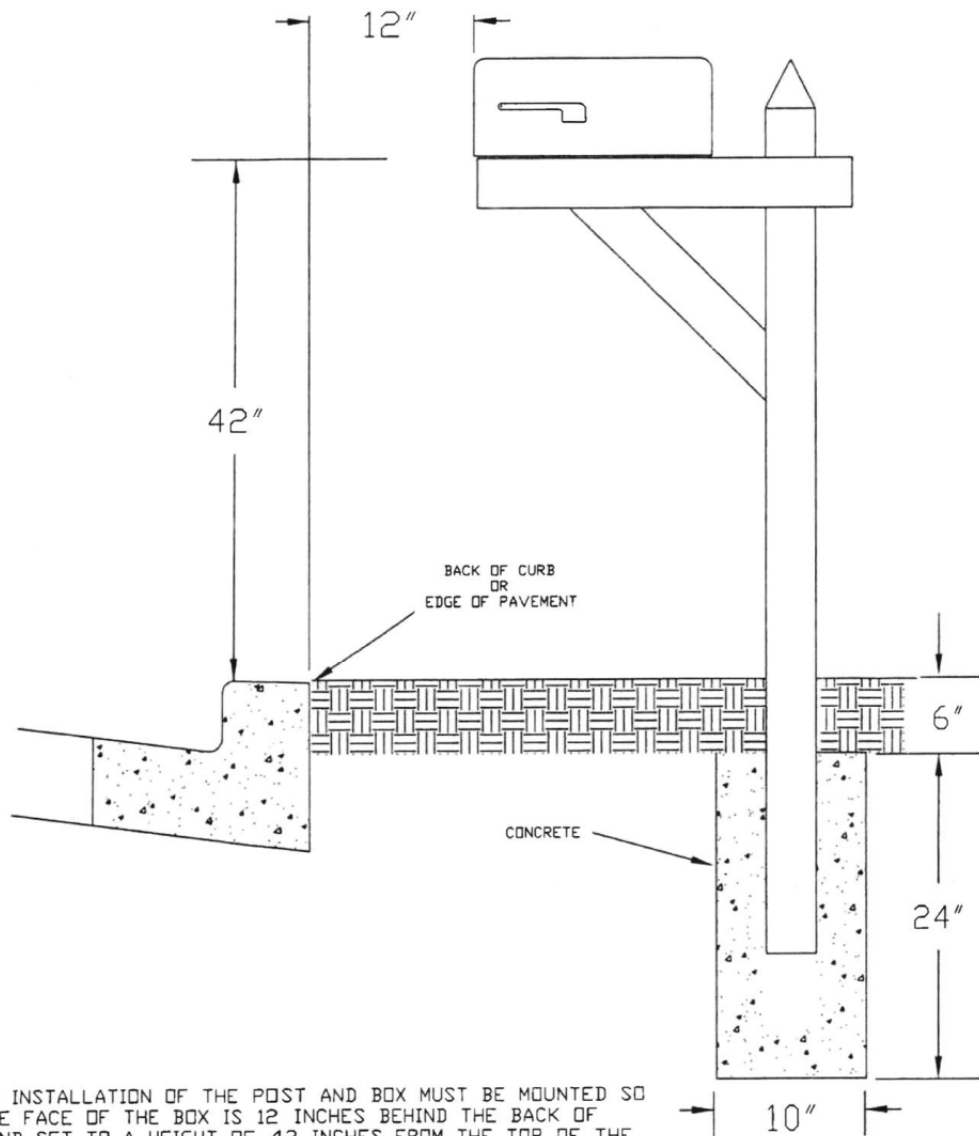
TEMPORARY NO PARKING

TIME:

DATE:

CONSTRUCTION ZONE

Note – Hand written information must be dark, legible and large. Sign shall be printed on more than paper, unless laminated. Must withstand winds and stay on stake/lath.



THE INSTALLATION OF THE POST AND BOX MUST BE MOUNTED SO THE THE FACE OF THE BOX IS 12 INCHES BEHIND THE BACK OF CURB AND SET TO A HEIGHT OF 42 INCHES FROM THE TOP OF THE CURB TO THE BOTTOM OF THE BOX. THE POST SHOULD BE SET IN A HOLE 10 INCHES IN DIAMETER AND 30 INCHES DEEP.

CONCRETE SHOULD BE PLACED AROUND THE POST AND UP TO 6 INCHES FROM THE FINISHED SURFACE.

THE MATERIAL USED FOR THE POST SHALL BE A 4' X 4' PRESSURE TREATED POST OR 1 1/2" I.D. MINIMUM TO A 2" I.D. MAXIMUM STEEL OR ALUMINUM POST, MAXIMUM WALL THICKNESS 0.154".

MAILBOX
INSTALLATION

G:\ENGINEERING\FORMS\MAILBOXINSTALLATION.DWG

EXHIBIT NO.109 MATERIALS LIST

Date of revision: 1/1/16

Water Distribution Material Specifications:

Water main pipe.	Ductile Iron Pipe. Pipe class thickness—AWWA C150, minimum thickness, Class 52. Pipe—AWWA C151. Pipe lining—AWWA C104. Fittings—AWWA C153. Joints—mechanical and push-on, AWWA C111. Wrap—4 mil. X-Lam conforming to AWWA C105.A21.5 and AWWA C600. No 90 degree bends allowed. All stainless steel trim.
Valves.	American Flow Control, Series 2500 resilient wedge gate valve, All sizes two inch to fourteen inch, counter clockwise to open, AWWA C500., AWWA C504. Clow AWWA C-504 Butterfly Valve for sixteen inch and above. Joint end—mechanical, AWWA C111. All stainless steel trim.
Valve Vault.	All structures shall be monolithically precast with designed openings or mechanically cored in the field and shall have rubber boots conforming to ASTM C-923. Dog house vaults are excluded from these requirements when permitted by Village Engineer. Size: For six and eight inch diameter valves, valve vaults shall have a forty-eight inch inside diameter; for pressure connections and valves ten inches and larger in diameter, valve vaults shall have a sixty inch inside diameter. All valve vault cones must be eccentric centers with valve properly aligned.
Castings.	East Jordan Iron Works 1022 Frame and Lid or Neenah R-1713, embossed per Exhibit No. 401 of Buffalo Grove Numerical Code Title 16.
Fire Hydrant.	Waterous Pacer Model WB67-250, AWWA C502, painted fire engine red above ground, with resilient wedge auxiliary gate valve. Nozzles, two at two and one half inch, one at four and one half inch, with threads conforming to National Standard Specifications. Frangible section (breakaway type) with the break line flange located one inch above finished grade. Joint end, six inch, mechanical or push-on. All stainless steel trim. Auxiliary boxes and hydrants shall be a direct flange-to-flange connection.
Fire hydrant extension	Fire hydrant extensions and parts to be manufactured by Waterous only. All stainless steel trim.
Hydrant Valve Box \ Valve boxes	Hydrant Valve Box Tyler 664-S. Lid embossed "WATER." Rubber valve box stabilizer required.
Service Pipe.	Copper tube, two inches and smaller, ASTM B88, Type K (1" minimum). Ductile iron, larger than two inches. Conform to Water main section above. Service upgrade for existing water main requires a stainless steel tap repair clamp. Ford model FS1-CC, minimum length 15" long.
Corporation Stop.	Mueller H15000, 1" minimum, AWWA C800. 1" Direct tap or 1 1/4" and larger shall use Ford FC202 stainless steel band, epoxy coated saddle.
Curb Stop.	Copper service, Mueller H-15154. Ductile iron service, Resilient wedge counter clockwise to open, AWWA C500. Joint end—mechanical, AWWA C111.
Curb box	Copper service, Mueller H-10302. Ductile iron service, conform to Hydrant Valve Box section above. Ductile iron service, 6" and larger, conform to Valve Vault section above.
Copper to Copper Fittings	Mueller Company Model #H-15400. An all flared coupling is required, no sweat joint or compression allowed.
Pressure Connections	Ford FTSS style tapping sleeve. American Flow Control Series 2500 tapping valve four inch minimum. All stainless steel trim.

Sanitary Sewer Material Specifications:

Sewer and Service Connection Pipe	Reinforced concrete pipe—circular reinforcement, minimum Class 3, ASTM C76, with epoxy lining. PVC solid wall (SDR-26H) pipe—ASTM D-3034 for six to fifteen inches in diameter.
Sewer and Service Connection Pipe Joints.	Reinforced concrete pipe—ASTM C443. PVC solid wall (SDR-26H) pipe—ASTM D-3212 for six to eighteen inches in diameter.
Sewer and Service Connection Pipe Fittings	PVC solid wall (SDR-26H) pipe—ASTM D3034 for six to fifteen inches in diameter.
Casing Pipes.	Steel pipe—ASTM A120, three-eighths inch minimum thickness.
Manholes	Size: For sewer eighteen inch diameter or less, manhole shall have a forty-eight inch inside diameter. For sewer twenty-one inch to thirty-six inch diameter, manhole shall have a sixty inch inside diameter. For sewer greater than thirty-six inch diameter, manhole shall have an offset riser pipe of forty-eight inch inside diameter. All structures shall be monolithically precast including bases and invert flow lines.
Castings.	East Jordan Iron Works Frame 1022 or Neenah R-1713, with self-sealing lid and recessed pick hole, embossed per Exhibit No. 301 of Buffalo Grove Numerical Code Title 16.

Storm Sewer System Material Specifications:

Structures.	All structures shall be precast with designed openings or mechanically cored in the field.
Castings.	Closed Lid, East Jordan Iron Works 1022 or Neenah R-1713, embossed per Exhibit No. 201., Open Lid, East Jordan Iron Works 1022 or Neenah R-1713, Standard B4.12 or any other barrier curb, Type 11— East Jordan Iron Works 7210 or Neenah 3281-A or Neenah 3170 on existing structures where required. Box height must be 6" minimum with 5' tapers to match curb height., Depressed barrier curb, Type M3 Grate, Yard inlet, Type 8— East Jordan Iron Works 6517 or Neenah R-4340-B
Sewer Pipe Joints.	Reinforced concrete pipe—ASTM C443 or C361. PVC solid wall (SDR-26H) pipe—ASTM D-3212 for six to eighteen inches in diameter.
Sump pump service connection pipe/sub surface drain pipe.	4" PVC solid wall sewer pipe SDR-35. Blind connections must be cored in storm sewer and pipe connection shall be made with a rubber boot and stainless steel band. Sump pump per Exhibit No. 202 of Buffalo Grove Numerical Code Title 16 and underdrain per Exhibit No. 203.

Material Specifications For All Utilities:

Bedding	CA-11, Class B or better. All stone shall be crushed; rounded aggregate will not be permitted. The stone shall be compacted to 90% modified proctor density as required by ASTM D1557 or AASHTO T-180. Recycled materials permitted from IDOT approved sources meeting the correct gradations.
Trench Backfill	CA-11, Class B or better. This item shall meet the requirements of Class B CA-11, per the IDOT Standard Specifications for Road and Bridge Construction. All stone shall be crushed; rounded aggregate will not be permitted. The stone shall be compacted to 95% modified proctor density as required by ASTM D1557 or AASHTO T-180. Jetting of trenches is not permitted. Recycled materials permitted from IDOT approved sources meeting the correct gradations.
Adjustments	No more than two precast concrete adjusting rings with six inch maximum height adjustment shall be allowed, minimum one 2" ring installed on new structures. All adjustment rings less than 2" shall be HDPE rings. Only one HDPE may be used within the precast tolerances. Only precast concrete or

	HDPE adjustment rings permitted. ½" x 3.5" mastic to be used between all frames, rings and structures. Mortar around rings, but none between. Bed of mortar can be used on cone or flat top of structure.
--	---

Miscellaneous Material Specifications:

Detectable Warnings	East Jordan Iron Works or Neenah cast iron detectable warnings. Color shall be brick red.
Concrete	In accordance with IDOT Standard Specifications for Road and Bridge Construction
Asphalt	In accordance with IDOT Standard Specifications for Road and Bridge Construction and Section 16.50.070 of the Village of Buffalo Grove Municipal Code

* The Village Engineer shall have the authority to approve the use of alternative materials than those specifically required by Exhibit 109 in the manner provided for in Title 16 of the Village of Buffalo Grove Numerical Code. The Village Engineer may approve alternative materials that are not specifically required by this title when:

1. The materials or their components required by this title are no longer manufactured and available for purchase; and
2. The alternative materials are generally consistent with requirements of this title, including but not limited to those standards relating to production, composition, safety and aesthetics.

Testing Specifications:

(In addition to the requirements of IDOT's Standard Specifications for Road and Bridge Construction or the Standard Specifications for Water and Sewer Construction in Illinois)

Storm Sewer	Cleaning and televising, with reporting, as directed by the Village Engineer
Sanitary Sewer	Cleaning and televising, with reporting, as directed by the Village Engineer

*When conflicting information exists between the plans specifications and this exhibit number 109 the information listed in exhibit number 109 shall govern. All castings on a project or development shall come from a single manufacturer.



Office: 847-870-0544
Fax: 847-870-0661
us@soilandmaterialconsultants.com
www.soilandmaterialconsultants.com

June 3, 2020
File No. 25206

Mr. Kyle E. Johnson, P.E., CFM
Village of Buffalo Grove
51 Raupp Boulevard
Buffalo Grove, Illinois 60089

Re: Pavement Investigation
Candlewood Creek
Buffalo Grove, Illinois

Dear Mr. Johnson:

We are submitting the results of our pavement investigation for the various streets included in the above referenced project. The investigation was requested to determine existing pavement sections.

The field investigation included pavement coring at 11 locations to determine material types and thicknesses. Additionally, soil borings were performed at 3 of the core locations. We auger drilled the borings to depths of 7.5 feet below existing surface elevations. Soil samples were obtained using a split barrel sampler advanced utilizing an automatic SPT hammer. Soil profiles were determined in the field and soil samples returned to our laboratory for additional testing including determination of moisture content. Cohesive soils obtained by split barrel sampling were tested further to determine dry unit weight and unconfined compressive strength.

RESULTS OF THE INVESTIGATION

Enclosed are core and boring logs indicating the pavement and soil conditions encountered at each location. The summary table below indicates pavement materials and thicknesses encountered at each location. Please refer to the individual core logs and pictures for more detailed information.

<u>Core</u>	<u>HMA Surface (in.)</u>	<u>HMA Binder (in.)</u>	<u>Total HMA (in.)</u>	<u>Granular Base (in.)</u>	<u>Total Pavement (in.)</u>
1	2.0	4.75	6.75	8.25	15.0
2	1.5	6.0	7.5	4.5	12.0
3	1.75*	8.5	10.25	4.75	15.0
4	3.25*	1.25	4.5	18.5+	23.0+
5	3.5*	2.25	5.75	14.25^	20.0
6	3.25*	2.0	5.25	8.75^	14.0
7	1.0	2.5	3.5	8.5	12.0
8	1.75	1.75	3.5	16.5	20.0
9	1.5	2.25	3.75	12.25	16.0
10	1.25	1.75	3.0	20.0+	23.0+
11	1.75	2.0	3.75	15.25	19.0

Note: Failures noted in the pavement sections have the thicknesses shown in **bold**.

The presence of reflective crack control fabric is indicated by (*).

The presence of pozzolanic aggregate mixture is indicated by (^).

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Soil borings were performed at locations C/B-3, C/B-8 and C/B-11. Fill soil conditions were encountered at borings C/B-3 and C/B-11. Composition of the fill includes the presence of clay/silt and silt/clay/sand/gravel mixtures extending to depths of 2.5 feet to 4.0 feet at these boring locations. The limits of fill placement were not determined within the scope of this investigation. Larger debris may also be present within the fill but was not encountered during the investigation.

Underlying natural soil conditions include the presence of cohesive soils. These are classified as very tough to hard clay/silt mixtures with lesser portions of sand and gravel.

Non-cohesive soils were also encountered as indicated at each borings C/B-3 and C/B-8. These include loose silt/clay mixtures. Cobbles and boulders may be present within the site soils at any elevation, although none were encountered while drilling.

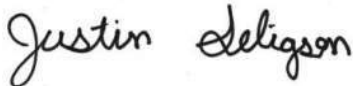
CONCLUSION

This report has been prepared to assist in initial determination of existing pavement sections and supporting soil conditions. Locally varying conditions may be present between test locations.

If you have any questions concerning the findings or recommendations presented in this report, please let me know.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.

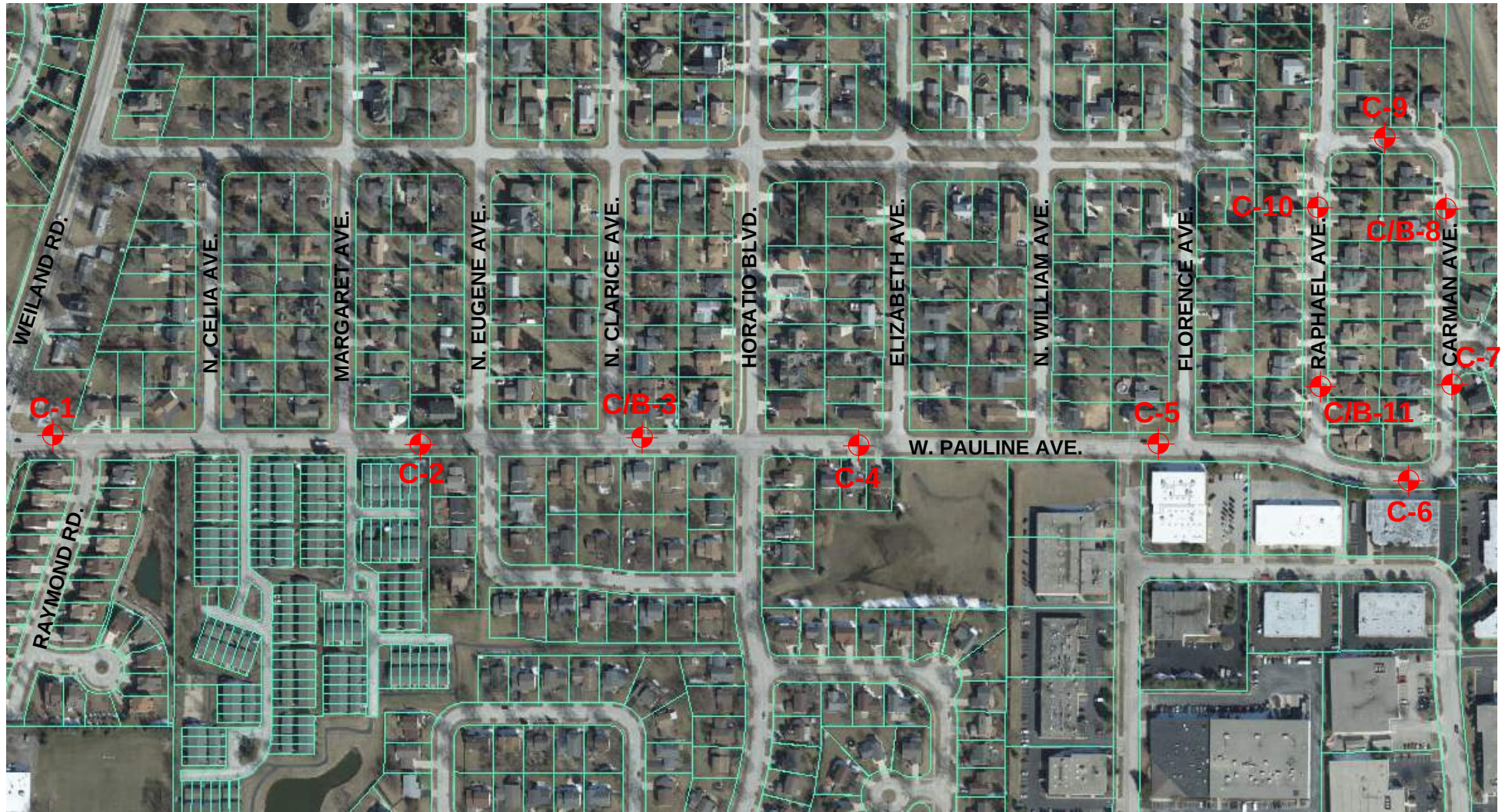


Justin Seligson, E.I.T.
Project Engineer



Thomas P. Johnson, P.E.
President

JMS:TPJ
Enc.



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE		
Project:	CANDLEWOOD CREEK		
Location:	BUFFALO GROVE, ILLINOIS		
File No.	25206	Date: 5-28-20	Scale: NONE



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Date: 5/20/20

File No: 25206

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek

Core No: C-1 Work Done By: AC - CS - AQ

Location of Core: 8' N of CL

Comments: 16284 W. Pauline Avenue

(Depth, In.)		Type of Material	Recovery
0 ---		2-0" Bituminous concrete - Surface	Full
1 ---			
2 ---			
3 ---		4-3/4" Bituminous concrete - Binder	Full
4 ---			
5 ---			
6 ---			
7 ---		8-1/4" Crushed gravel with fines	Partial
8 ---			
9 ---			
10 ---			
11 ---			
12 ---			
13 ---			
14 ---			
15 ---	E.O.C.	Total: 15-0"	
16 ---			
17 ---			
18 ---			
19 ---			
20 ---			

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25206

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek

Core No: C-2 Work Done By: AC - CS - AQ

Location of Core: 11' S of CL

Comments: W. Pauline Avenue, 150' W of Eugene Avenue CL

(Depth, In.)		Type of Material	Recovery
0 ---		1-1/2" Bituminous concrete - Surface	Full
1 ---			
2 ---			
3 ---		6-0" Bituminous concrete - Binder	Full
4 ---			
5 ---			
6 ---			
7 ---		4-1/2" Crushed gravel with fines	Partial
8 ---			
9 ---			
10 ---			
11 ---		Total: 12-0"	
12 ---			
13 ---	E.O.C.		
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---			
20 ---			

G-333



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8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25206

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek

Core No: C/B-3 Work Done By: AC - CS - AQ

Location of Core: 2' S of CL

Comments: Across from 518 W. Pauline Avenue

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - Surface	Full
2 ---	Petromat	
3 ---		
4 ---	3-1/4" Bituminous concrete - Binder	Full
5 ---		No bond
6 ---		
7 ---		
8 ---	5-1/4" Bituminous concrete - Binder	Full
9 ---		
10 ---		
11 ---		
12 ---		
13 ---	4-3/4" Crushed gravel with fines	Partial
14 ---		
15 ---	Total: 15-0"	
16 ---	E.O.C.	
17 ---		
18 ---		
19 ---		
20 ---		

G-333



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Date: 5/20/20

File No: 25206

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek

Core No: C-4 Work Done By: AC - CS - AQ

Location of Core: 6' S of CL

Comments: 605 W. Pauline Avenue

(Depth, In.)

Type of Material

Recovery

0 ---		1-1/4" Bituminous concrete - Surface	Full
1 ---		Petromat	No bond
2 ---		2-0" Bituminous concrete - Surface	Full
3 ---			
4 ---		1-1/4" Bituminous concrete - Binder	Full
5 ---			
6 ---			
7 ---			
8 ---			
9 ---			
10 ---			
11 ---			
12 ---			
13 ---		18-1/2"+ Crushed gravel with fines	Partial
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---			
20 ---			
	E.O.C.	Total: 23-0"+	

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25206

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek

Core No: C-5 Work Done By: AC - CS - AQ

Location of Core: 10' N of CL

Comments: W. Pauline Avenue, 50' W of Florence Avenue CL

(Depth, In.)	<u>Type of Material</u>		<u>Recovery</u>
0 ---	1-0"	Bituminous concrete - Surface Petromat	Full
1 ---			
2 ---	2-1/2"	Bituminous concrete - Surface	Full
3 ---			
4 ---	2-1/4"	Bituminous concrete - Binder	Full
5 ---			
6 ---	6-0"	PAM	Partial
7 ---			
8 ---			
9 ---			
10 ---			
11 ---			
12 ---	8-1/4"	PAM (failed)	Partial
13 ---			
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---			
20 ---			
E.O.C.			

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25206

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek

Core No: C-6 Work Done By: AC - CS - AQ

Location of Core: 10' S of CL

Comments: W. Pauline Avenue, 100' W of Carman Avenue CL

(Depth, In.)	Type of Material	Recovery
0 ---	1-1/2" Bituminous concrete - Surface	Full
1 ---	Petromat	No bond
2 ---	1-3/4" Bituminous concrete - Surface	Full
3 ---		No bond
4 ---	2-0" Bituminous concrete - Binder	Full
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	8-3/4" PAM (failed)	Partial
11 ---		
12 ---		
13 ---		
14 ---	Total: 14-0"	
15 ---	E.O.C.	
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25206

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek

Core No: C-7 Work Done By: AC - CS - AQ

Location of Core: 8' E of CL

Comments: 456 Carmen Avenue

(Depth, In.)		Type of Material	Recovery
0 ---		1-0" Bituminous concrete - Surface	Full
1 ---			
2 ---		2-1/2" Bituminous concrete - Binder	Full
3 ---			
4 ---		8-1/2" Crushed gravel with fines	Partial
5 ---			
6 ---			
7 ---			
8 ---			
9 ---			
10 ---			
11 ---			
12 ---	E.O.C.	Total: 12-0"	
13 ---			
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---			
20 ---			

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25206

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek

Core No: C-8 Work Done By: AC - CS - AQ

Location of Core: 8' W of CL

Comments: 470 Carmen Avenue

(Depth, In.)		Type of Material	Recovery
0 ---			
1 ---		1-3/4" Bituminous concrete - Surface	Full
2 ---			
3 ---		1-3/4" Bituminous concrete - Binder	Full
4 ---			
5 ---			
6 ---			
7 ---			
8 ---			
9 ---			
10 ---			
11 ---			
12 ---		16-1/2" Crushed gravel with fines	Partial
13 ---			
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---			
20 ---	E.O.C.	Total: 20-0"	

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25206

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek

Core No: C-9 Work Done By: AC - CS - AQ

Location of Core: 6' N of CL

Comments: Carmen Avenue, 140' E of Raphael Avenue CL

(Depth, In.)		Type of Material	Recovery
0 ---			
1 ---		1-1/2" Bituminous concrete - Surface	Full
2 ---			
3 ---		2-1/4" Bituminous concrete - Binder	Full
4 ---			
5 ---			
6 ---			
7 ---			
8 ---		12-1/4" Crushed gravel with fines	Partial
9 ---			
10 ---			
11 ---			
12 ---			
13 ---	E.O.C.	Total: 16-0"	
14 ---			
15 ---			
16 ---			
17 ---			
18 ---			
19 ---			
20 ---			

G-333



8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25206

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek

Core No: C-10 Work Done By: AC - CS - AQ

Location of Core: 6' W of CL

Comments: 468 Raphael Avenue

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/4" Bituminous concrete - Surface	Full
2 ---	1-3/4" Bituminous concrete - Binder	Full
3 ---		
4 ---		
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---		
11 ---		
12 ---	20-0"+ Crushed gravel with fines, some asphalt	Partial
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		
Total: 23-0"+		
E.O.C.		

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8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

Date: 5/20/20

File No: 25206

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek

Core No: C-11 Work Done By: AC - CS - AQ

Location of Core: 8' E of CL

Comments: 455 Raphael Avenue

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - Surface	Full
2 ---		No bond
3 ---	2-0" Bituminous concrete - Binder	Full
4 ---		
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---		
11 ---		
12 ---	15-1/4" Crushed gravel with fines, trace asphalt	Partial
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---	Total: 19-0"	
20 ---	E.O.C.	

G-333

SOIL BORING LOG C/B-3

Logged By: CS

Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25206

Date Drilled: 5/28/20

Reference: Candlewood Creek
Buffalo Grove, IL

Comments: Across from 518 W. Pauline Avenue

depth, ft.	Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other	standard penetration ×	moisture content △	dry unit weight lbs./cu.ft. γ	unconfined compressive strength ○	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					× standard penetration "N", blows/ft. △ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	See Core Log								
2	Dark brown clay, some silt, trace sand & gravel, damp, hard - Fill								
3	Brown to brown/gray clay, some silt, trace sand & gravel, damp, hard	7	13.9	115.5	4.2	×	△	●	○
			21.1	106.0	4.8		△	●	○ 4.8
4	Brown/gray silt, some clay, trace fine sand, very damp, loose		19.1				△		
5	Brown/gray clay & silt, trace sand & gravel, damp, very tough	11	15.8	117.9	3.7	×	△	○	
6									
7									
8	End of Boring	6	16.6	116.6	2.4	×	△	○●	
9									
10									

Water encountered at
Water recorded at
Water recorded at

Dry feet during drilling operations (W.D.)
Dry feet on completion of drilling operations (A.D.)
feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG C/B-8

Logged By: CS

Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25206

Date Drilled: 5/28/20

Reference: Candlewood Creek
Buffalo Grove, IL

Comments: 470 Carmen Avenue

depth, ft.	Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, % 10 20 30 40			
	Elevation Existing Surface								
1	See Core Log	6	16.1						
2	Brown/gray silt, some clay, trace fine sand, damp to very damp, loose	6	16.1			X	Δ		
3	Brown/gray silt, some clay, trace fine sand, damp to very damp, loose	6	16.1						
4	Brown/gray silt, some clay, trace fine sand, damp to very damp, loose	6	16.1						
5	Brown/gray silt, some clay, trace fine sand, damp to very damp, loose	6	16.1			X	Δ		
6	Brown/gray clay, some silt, trace sand & gravel, damp, hard	10	16.7	118.2	4.0				
7	Brown/gray clay, some silt, trace sand & gravel, damp, hard	10	16.7	118.2	4.0				
8	End of Boring	10	16.7	118.2	4.0	X	Δ		○
9	End of Boring	10	16.7	118.2	4.0				
10	End of Boring	10	16.7	118.2	4.0				

Water encountered at Dry feet during drilling operations (W.D.)
 Water recorded at Dry feet on completion of drilling operations (A.D.)
 Water recorded at feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG C/B-11

Logged By: CS

Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25206

Date Drilled: 5/28/20

Reference: Candlewood Creek
Buffalo Grove, IL

Comments: 455 Raphael Avenue

depth, ft.	Equipment: ☒ CME 45B ☐ CME 55 ☐ Hand Auger ☐ Other				standard penetration X	moisture content Δ	dry unit w lbs./cu.ft. γ	unconfine compress O	1.0 2.0 3.0 4.0			
	CLASSIFICATION		X standard penetration "N", blows/ft. Δ moisture content, %									
	Elevation	Existing Surface	10	20					30	40		
	See Core Log				10	14.4						
1												
2	Dark brown silt, some clay, sand & gravel, damp, medium dense - Fill				10	14.4						
3	Brown/gray clay, some silt, trace sand & gravel, damp, very tough				10	18.6	111.1	2.6	X	Δ		
4												
5	Gray clay, some silt, trace sand & gravel, damp, very tough				9	16.3	113.9	3.9				
6	End of Boring				9	16.3	113.9	3.9	X	Δ	●	O
7												
8												
9												
10												

Water encountered at
Water recorded at
Water recorded at

Dry feet during drilling operations (W.D.)
Dry feet on completion of drilling operations (A.D.)
feet hours after completion of drilling operations (A.D.)

GENERAL NOTES

SAMPLE CLASSIFICATION

Soil sample classification is based on the Unified Soil Classification System, the Standard Practice for Description and Identification Soils (Visual-Manual Procedure), ASTM D-2488, the Standard Test Method for Classification of Soils for Engineering Purposes, ASTM D-2487 (when applicable), and the modifiers noted below.

CONSISTENCY OF COHESIVE SOILS

Term	Qu-tons/sq.ft.	N (unreliable)
Very soft	0.00 – 0.25	0 – 2
Soft	0.26 – 0.49	3 – 4
Stiff	0.50 – 0.99	5 – 8
Tough	1.00 – 1.99	9 – 15
Very Tough	2.00 – 3.99	16 – 30
Hard	4.00 – 7.99	30 +
Very Hard	8.00 +	

RELATIVE DENSITY OF GRANULAR SOILS

Term	N – blows/foot
Very Loose	0 – 4
Loose	5 – 9
Medium Dense	10 – 29
Dense	30 – 49
Very Dense	50 +

IDENTIFICATION AND TERMINOLOGY

Term	Size Range
Boulder	over 8 in.
Cobble	3 in. to 8 in.
Gravel - coarse	1 in. to 3 in.
- medium	3/8 in. to 1 in.
- fine	#4 sieve to 3/8 in.
Sand - coarse	#10 sieve to #4 sieve
- medium	#40 sieve to #10 sieve
- fine	#200 sieve to #40 sieve
Silt	0.002 mm to #200 sieve
Clay	smaller than 0.002mm
Modifying Term	Percent by Weight
Trace	1 – 10
Little	11 – 20
Some	21 – 35
And	36 – 50

Moisture Content

Dry
Damp
Very Damp
Saturated

DRILLING, SAMPLING & SOIL PROPERTY SYMBOLS

CF	- Continuous Flight Auger
HS	- Hollow Stem Auger
HA	- Hand Auger
RD	- Rotary Drilling
AX	- Rock Core, 1-3/16 in. diameter
BX	- Rock Core, 1-5/8 in. diameter
NX	- Rock Core, 2-1/8 in. diameter
S	- Sample Number
T	- Type of Sample
J	- Jar
AS	- Auger Sample
SS	- Split Spoon (2 in. O.D. with 1-3/8 in. I.D.)
ST	- Shelby Tube (2 in. O.D. with 1-7/8 in. I. D.)
R	- Recovery Length, in.
B	- Blows/6 in. interval, Standard Penetration Test (SPT)
N	- Blows/foot to drive 2 in. O.D. split-spoon sampler with 140 lb. hammer falling 30 in., (STP)
Pen.	- Pocket Penetrometer readings, tons/sq.ft.
W	- Water Content, % dry weight
Uw	- Dry Unit Weight of soil, lbs./cu.ft.
Qu	- Unconfined Compressive Strength, tons/sq.ft.
Str	- % Strain at Qu.
WL	- Water Level
WD	- While Drilling
AD	- After Drilling
DCI	- Dry Cave-in.
WCI	- Wet Cave-in.
LL	- Liquid Limit, %
PL	- Plastic Limit, %
PI	- Plasticity Index (LL-PL)
LI	- Liquidity Index [(W-PL)/PI]



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September 9, 2024
File No. 25206

Mr. Kyle E. Johnson, P.E., CFM
Village of Buffalo Grove
51 Raupp Boulevard
Buffalo Grove, Illinois 60089

Re: Geotechnical Investigation
Candlewood Creek
Buffalo Grove, Illinois

Dear Mr. Johnson:

We are submitting the results of our geotechnical investigation for the above referenced project in the Village of Buffalo Grove, Illinois.

The investigation was requested to determine current pavement and subsurface conditions at select locations. The findings of the field investigation and the results of laboratory testing are intended to assist in the planning, design, and construction of proposed site improvements.

PROPOSED IMPROVEMENTS

We understand that, in general, on all the north/south streets it is proposed to make minor storm sewer improvements and resurface the roadway. On Lilac Lane, it is proposed to also have minor storm sewer upgrades and reconstruct the roadway with new curbs. Pauline Avenue will have a large diameter storm sewer installed as well as the asphalt removed, aggregate base regraded, and new asphalt placed. It is also proposed to expand and possibly deepen the two existing basins for additional stormwater storage.

SCOPE OF THE INVESTIGATION

The field investigation included pavement coring at 20 locations to determine material types and thicknesses. Additionally, soil borings were performed at 7 locations. The boring locations were established using field taping methods and accuracy. Surface elevations at the basin boring locations were estimated to the nearest 0.5 ft. using data presented on the Lake County GIS topographic survey.

We auger drilled the borings to depths of 7.5 feet to 10.0 feet below existing surface elevations. Soil samples were obtained using a split barrel sampler advanced utilizing an automatic SPT hammer. Soil profiles were determined in the field and soil samples returned to our laboratory for additional testing including determination of moisture content. Cohesive soils obtained by split barrel sampling were tested further to determine dry unit weight and unconfined compressive strength.

RESULTS OF THE INVESTIGATION

Enclosed are core and boring logs indicating the pavement and soil conditions encountered at each location. The summary table below indicates pavement materials and thicknesses

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

SOIL BORINGS • SITE INVESTIGATIONS • PAVEMENT INVESTIGATIONS • GEOTECHNICAL ENGINEERING
TESTING OF • SOIL • ASPHALT • CONCRETE • MORTAR • STEEL

encountered at each location. Please refer to the individual core logs and pictures for more detailed information.

<u>Core</u>	<u>HMA Surface (in.)</u>	<u>HMA Binder (in.)</u>	<u>Total HMA (in.)</u>	<u>Granular Base (in.)</u>	<u>Total Pavement (in.)</u>
<u>North Celia Avenue</u>					
101	5.0	---	5.0	13.5	18.5
102	3.25	1.25	4.5	6.0	10.5
<u>Margaret Avenue</u>					
103	2.75	2.25	5.0	7.5	12.5
104	2.5	1.5	4.0	8.5	12.0
<u>North Eugene Avenue</u>					
105	3.75	---	3.75	8.0	11.75
106	5.0	---	5.0	7.75	12.75
<u>Clarice Avenue</u>					
107	2.75	3.0	5.75	3.5	9.25
108	2.75	5.25	8.0	3.75//	11.75
<u>Horatio Boulevard</u>					
109	2.25	2.0	4.25	7.5	11.75
110	6.0	---	6.0	3.75//	9.75
<u>Elizabeth Avenue</u>					
111	4.5	---	4.5	6.25	10.75
112	3.0	2.0	5.0	8.75	13.75
<u>North William Avenue</u>					
113	2.5	1.0	3.5	8.0	11.5
114	5.5	---	5.5	6.0	11.5
<u>Florence Avenue</u>					
115	2.5	1.5	4.0	7.0	11.0
116	2.25	3.0	5.25	6.25	11.5
<u>Pauline Avenue</u>					
117	3.5*	1.75	5.25	16.75	22.0
118	1.75*	3.5	5.25	10.75	16.0
119	2.5*	7.0	9.5	11.0	20.5
120	3.0*	1.25	4.25	11.25^^	15.5

BOLD indicates a failure in the material layer

* indicates the presence of a reflective crack control fabric

// indicates the granular base was contaminated with soil

^^ indicates the presence of pozzolanic aggregate mixture

It should be noted that 100% deteriorated pozzolanic aggregate mixture (PAM) was present underlying the HMA at location C-120 on Pauline Avenue. The PAM should be removed and replaced with crushed granular material if the PAM is exposed during rehabilitation of the roadway. Previously performed pavement cores taken along Pauline Avenue east of C-120 showed PAM underlying the asphalt at 15840 Pauline Avenue as well as at the eastern end of the road just south of 452 Carman Avenue.

Soil borings were performed at locations B-102, B-108, B-116, and B-201 to B-204. Fill soil conditions were encountered at each of these locations with the exception of borings B-108 and B-204. Composition of the fill includes the presence of topsoil, sand/gravel, silt/clay and clay/silt mixtures extending to depths of 2.5 feet to 5.0 feet at these boring locations. The limits of fill placement were not determined within the scope of this investigation. Larger debris may also be present within the fill but was not encountered during the investigation. The fill soil conditions are found to overlie the apparent natural topsoil at boring B-116.

Underlying natural soil conditions include the presence of cohesive soils. These are classified as tough to very hard clay/silt mixtures with lesser portions of sand and gravel. Non-cohesive soils were also encountered underlying the cohesive soils as indicated at boring B-204. These include very loose sand/gravel mixtures. Cobbles and boulders may be present within the site soils at any elevation, although none were encountered while drilling.

SUBSURFACE WATER

The boring logs indicate the depth at which subsurface water was encountered in the bore holes at the time of the drilling operations and during the period of these readings. It is expected that fluctuations from the water levels recorded will occur over a period of time due to variations in rainfall, temperature, subsurface soil conditions, soil permeability and other factors not evident at the time of the water level measurements.

The levels recorded at boring B-102 indicate a perched water condition. Perched water is primarily surface precipitation falling on this site or adjacent properties and which becomes trapped in pervious soil that is underlain by relatively impervious soil. This water often flows laterally along a path of least resistance such as fill soils, non-cohesive soil strata, or other permeable medium. This water will also drain from the embankments of open excavations.

We understand stormwater detention is proposed in the area of borings B-201, B-202 and B-203. The estimated seasonal high ground water (SHGW) elevations at these boring locations are based on the change in soil color from brown to gray and are shown in the table below.

<u>Boring</u>	<u>Surface EL (ft.)</u>	<u>Estimated EL of SHGW (ft.)</u>
201	662.0	656.0
202	662.5	660.0
203	675.0	670.0

CONCLUSION

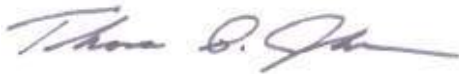
This report has been prepared to assist in initial determination of existing pavement sections and select subgrade soil conditions. Variations in subsurface conditions are expected to be present between boring locations due to naturally changing and filled soil conditions.

Our understanding of the proposed improvements is based on limited information available to us at the writing of this report. The findings of the investigation and the recommendations presented are not considered applicable to significant changes in the scope of the improvements or applicable to alternate site uses.

If you have any questions concerning the findings or recommendations presented in this report, please let me know.

Very truly yours,

SOIL AND MATERIAL CONSULTANTS, INC.

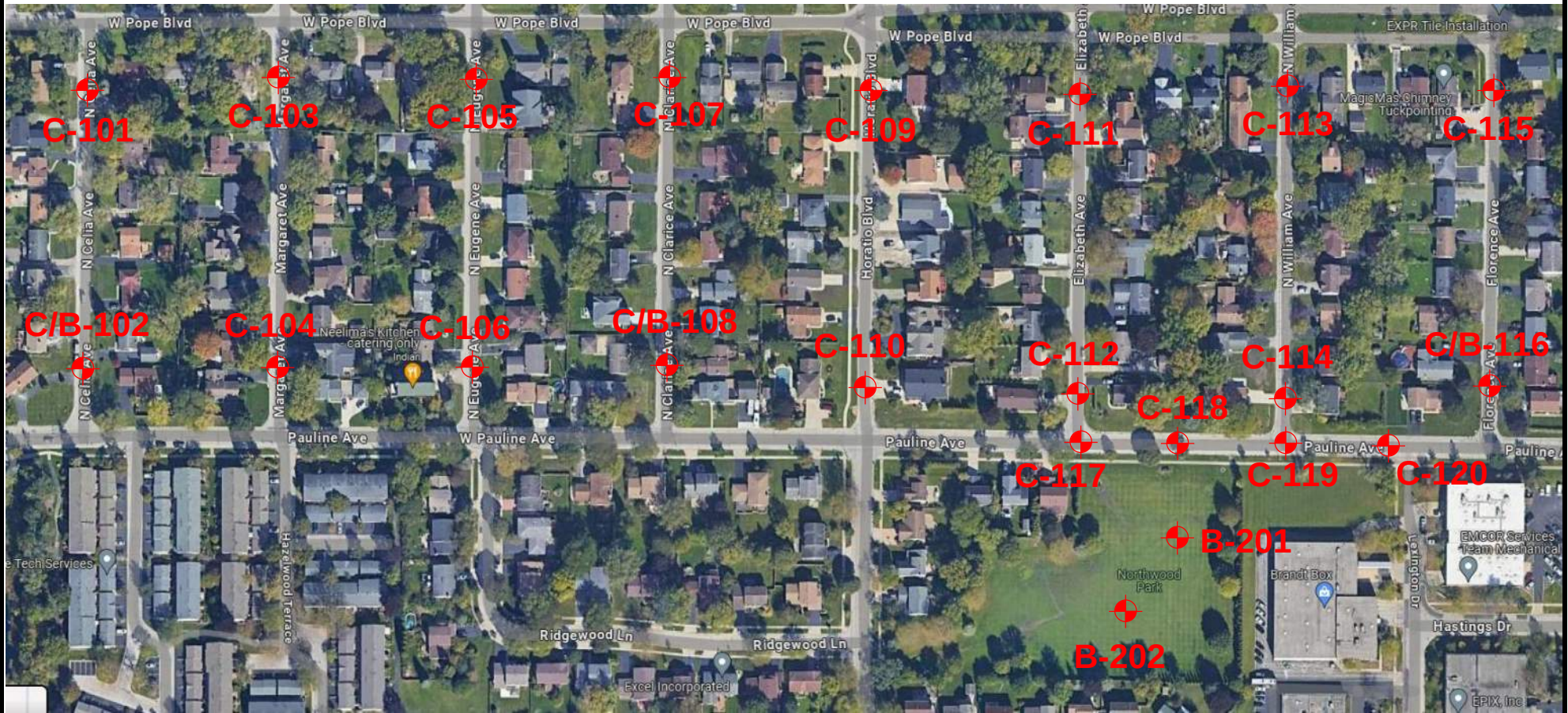


Thomas P. Johnson, P.E.
President



David Rak, E.I.T.
Project Engineer

TPJ:ek:dr
Enc.



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE		
Project:	CANDLEWOOD CREEK		
Location:	BUFFALO GROVE, ILLINOIS		
File No.	25206	Date: 8-29-24	Scale: NONE



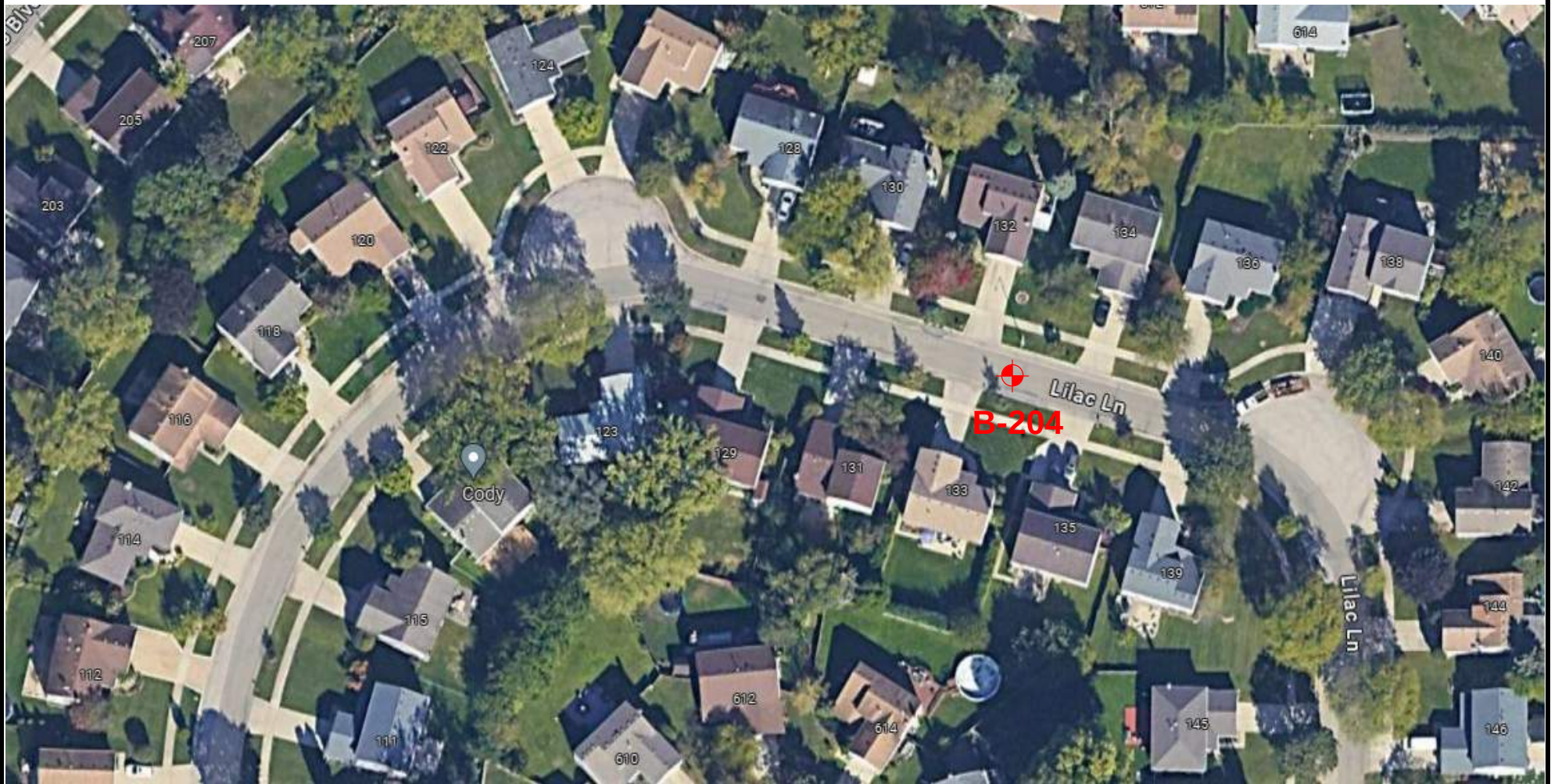
Lake County, Illinois GIS/Mapping Division | Lake County, Illinois GIS Division



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE		
Project:	CANDLEWOOD CREEK		
Location:	BUFFALO GROVE, ILLINOIS		
File No.	25206	Date: 8-29-24	Scale: NONE



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE		
Project:	CANDLEWOOD CREEK		
Location:	BUFFALO GROVE, ILLINOIS		
File No.	25206	Date: 8-29-24	Scale: NONE



SMC		SOIL AND MATERIAL CONSULTANTS, INC.	LOCATION SKETCH
Client:	VILLAGE OF BUFFALO GROVE		
Project:	CANDLEWOOD CREEK		
Location:	BUFFALO GROVE, ILLINOIS		
File No.	25206	Date: 8-29-24	Scale: NONE



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/22/24

File No.: 25206

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 101 Work Done By: DB & AD

Location of Core: 20608 N. Celia Ave., 4' E. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 --		
1 --	1-1/4" Bituminous concrete - surface (failed)	Partial
2 --		
3 --	1-3/4" Bituminous concrete - surface	Full
4 --		
5 --	2-0" Built-up surface treatments	Full
6 --		
7 --		
8 --		
9 --		
10 --		
11 --	13-1/2" Crushed & uncrushed gravel with fines	Partial
12 --		
13 --		
14 --		
15 --		
16 --		
17 --		
18 --	Total 18-1/2"	
19 --	E.O.C.	
20 --		



Date: 8/22/24

File No.: 25206

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 102 Work Done By: DB & AD

Location of Core: 20530 N. Celia Ave., 6' W. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 --	1-1/2" Bituminous concrete - surface	Full
1 --		
2 --		
3 --	1-3/4" Bituminous concrete - surface	Full
4 --		
5 --	1-1/4" Bituminous concrete - binder	Full
6 --		
7 --		
8 --	6-0" Crushed & uncrushed gravel with fines	Partial
9 --		
10 --		
11 --	Total 10-1/2" E.O.C.	
12 --		
13 --		
14 --		
15 --		
16 --		
17 --		
18 --		
19 --		
20 --		

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 103 Work Done By: DB & AD

Location of Core: 100' S. of Pope Blvd. on Margaret Ave., 6' E. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - surface	Full
2 ---	1-1/4" Bituminous concrete - surface	Full
3 ---		
4 ---	2-1/4" Bituminous concrete - binder	Full
5 ---		
6 ---		
7 ---		
8 ---		
9 ---	7-1/2" Crushed & uncrushed with fines	Partial
10 ---		
11 ---		
12 ---	Total 12-1/2"	
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/22/24

File No.: 25206

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 104 Work Done By: DB & AD

Location of Core: 20526 Margaret Ave., 5' W. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - surface	Full
2 ---	1-0" Bituminous concrete - surface	Full
3 ---		
4 ---	1-1/2" Bituminous concrete - binder	Full
5 ---		
6 ---		
7 ---		
8 ---		
9 ---	8-1/2" Crushed & uncrushed gravel with fines	Partial
10 ---		
11 ---		
12 ---		
13 ---	Total 12-1/2"	
14 ---	E.O.C.	
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/22/24

File No.: 25206

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

105

DB & AD

Core No: Work Done By:

Location of Core: 20595 N. Eugene Ave., 6' W. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - surface	Full
2 ---	1-0" Bituminous concrete - surface	Full
3 ---	1-1/4" Built-up surface treatments	Full
4 ---		
5 ---		
6 ---		
7 ---		
8 ---	8-0" Crushed gravel with fines	Partial
9 ---		
10 ---		
11 ---		
12 ---	Total 11-3/4"	
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		

Date: 8/22/24

File No.: 25206

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 106 Work Done By: DB & AD

Location of Core: 16140 N. Eugene Ave., 7' E. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - surfaee	Full
2 ---		
3 ---	1-1/4" Bituminous concrete - surface	Full
4 ---		
5 ---	2-1/4" Built-up surface treatments	Full
6 ---		
7 ---		
8 ---		
9 ---	7-3/4" Crushed gravel with fines	Partial
10 ---		
11 ---		
12 ---		
13 ---	E.O.C. Total 12-3/4"	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/22/24

File No.: 25206

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 107 Work Done By: DB & AD

Location of Core: 20604 Clarice Ave., 6' E. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 --		
1 --	1-1/2" Bituminous concrete - surface	Full
2 --	1-1/4" Bituminous concrete - surface	Full
3 --	no bond	
4 --		
5 --	3-0" Bituminous concrete - binder	Full
6 --		
7 --		
8 --	3-1/2" Crushed & uncrushed gravel with fines	Partial
9 --		
10 --	Total 9-1/4"	
11 --	E.O.C.	
12 --		
13 --		
14 --		
15 --		
16 --		
17 --		
18 --		
19 --		
20 --		

Date: 8/22/24

File No.: 25206

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 108 Work Done By: DB & AD

Location of Core: 20524 Clarice Ave., 7' W. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - surface	Full
2 ---	1-1/4" Bituminous concrete - surface	Full
3 ---	no bond	
4 ---		
5 ---	5-1/4" Bituminous concrete - binder	Full
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	3-3/4" Crushed gravel with fines, contaminated with soil	Partial
11 ---		
12 ---	Total 11-3/4"	
13 ---	E.O.C.	
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/22/24

File No.: 25206

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 109 Work Done By: DB & AD

Location of Core: 20589 Horatio Blvd., 6' E. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 --		
1 --	1-1/2" Bituminous concrete - surface	Full
2 --	0-3/4" Bituminous concrete - surface	Full
3 --	2-0" Bituminous concrete - binder	Full
4 --		
5 --	2-0" Large crushed concrete	Partial
6 --		
7 --		
8 --		
9 --	5-1/2" Crushed & uncrushed gravel with fines	Partial
10 --		
11 --		
12 --	Total 11-3/4"	
13 --	E.O.C.	
14 --		
15 --		
16 --		
17 --		
18 --		
19 --		
20 --		

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference: Candlewood Creek, Buffalo Grove, IL

Core No.: 110 Work Done By: DB & AD

Location of Core: 20522 Horatio Blvd., 8' W. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - surface	Full
2 ---		no bond
3 ---	2-0" Bituminous concrete - surface	Full
4 ---		
5 ---	2-1/2" Built-up surface treatments (failed)	Partial
6 ---		
7 ---		
8 ---	3-3/4" Crushed & uncrushed gravel with fines, contaminated with soil	Partial
9 ---		
10 ---	Total 9-3/4"	
11 ---	E.O.C.	
12 ---		
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 111 Work Done By: DB & AD

Location of Core: 20583 Elizabeth Ave., 6' E. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - surface	Full
2 ---	1-1/4" Bituminous concrete - surface	Full
3 ---	0-3/4" Bituminous concrete - surface	Full
4 ---	1-0" Bituminous concrete - surface	Full
5 ---		
6 ---		
7 ---		
8 ---	6-1/4" Crushed & uncrushed gravel with fines	Partial
9 ---		
10 ---		
11 ---	E.O.C. Total 10-3/4"	
12 ---		
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/26/24

File No.: 25206

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference: Candlewood Creek, Buffalo Grove, IL

Core No: 112 Work Done By: DB & AD

Location of Core: 20508 Elizabeth Ave., 7' W. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - surface	Full
2 ---	no bond	
3 ---	1-1/4" Bituminous concrete - surface (failed)	Partial
4 ---		
5 ---	2-0" Bituminous concrete - binder	Full
6 ---		
7 ---		
8 ---		
9 ---	8-3/4" Crushed & uncrushed gravel with fines	Partial
10 ---		
11 ---		
12 ---		
13 ---		
14 ---	Total 13-3/4"	
15 ---	E.O.C.	
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference: Candlewood Creek, Buffalo Grove, IL

Core No: 113 Work Done By: DB & AD

Location of Core: 20599 N. William Ave., 6' E. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/2" Bituminous concrete - surface	Full
2 ---	1-0" Bituminous concrete - surface	Full
3 ---	1-0" Bituminous concrete - binder	Full
4 ---		
5 ---		
6 ---		
7 ---	8-0" Crushed & uncrushed gravel with fines	Partial
8 ---		
9 ---		
10 ---		
11 ---		
12 ---	E.O.C. Total 11-1/2"	
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		



SOIL AND MATERIAL CONSULTANTS, INC.

Date: 8/26/24

File No.: 25206

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 114 Work Done By: DB & AD

Location of Core: 20507 N. William Ave., 8' W. of CL

Comments:

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - surface	Full
2 ---		
3 ---	1-1/2" Bituminous concrete - surface (failed)	Partial
4 ---		
5 ---	2-1/4" Bituminous concrete - surface (failed)	Partial
6 ---		
7 ---		
8 ---		
9 ---	6-0" Crushed & uncrushed gravel with fines	Partial
10 ---		
11 ---		
12 ---	E.O.C. Total 11-1/2"	
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 115 Work Done By: DB & AD

Location of Core: 20606 Florence Ave., 5' E. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---	1-1/2" Bituminous concrete - surface	Full
1 ---		
2 ---	1-0" Bituminous concrete - surface	Full
3 ---	1-1/2" Bituminous concrete - binder	Full
4 ---	7-0" Crushed & uncrushed gravel with fines	Partial
5 ---		
6 ---		
7 ---		
8 ---	Total 11-0"	
9 ---		
10 ---	E.O.C.	
11 ---		
12 ---		
13 ---		
14 ---		
15 ---		
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		

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CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 116 Work Done By: DB & AD

Location of Core: 20518 Florence Ave., 5' W. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 --		
1 --	2-1/4" Bituminous concrete - surface	Full
2 --		
3 --	2-0" Bituminous concrete - binder	Full
4 --		
5 --	1-0" Built-up surface treatments	Full
6 --		
7 --		
8 --	6-1/4" Crushed & uncrushed gravel with fines	Partial
9 --		
10 --		
11 --		
12 --	E.O.C. Total 11-1/2"	
13 --		
14 --		
15 --		
16 --		
17 --		
18 --		
19 --		
20 --		

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 117 Work Done By: DB & AE

Location of Core: 607 Pauline Ave., 9' S. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 --		
1 --	1-1/4" Bituminous concrete - surface	Full
2 --	Petromat	
3 --	1-0" Bituminous concrete - surface	Full
4 --	1-1/4" Bituminous concrete - surface	Full
5 --	1-3/4" Bituminous concrete - binder	Full
6 --		
7 --		
8 --		
9 --		
10 --		
11 --		
12 --		
13 --	16-3/4" Crushed gravel with fines	Partial
14 --		
15 --		
16 --		
17 --		
18 --		
19 --		
20 --		
22 --		
E.O.C. Total 22-0"		

G-333

CORE LOG

Client: Village of Buffalo Grove Reference: Candlewood Creek, Buffalo Grove, IL

Core No.: 118 Work Done By: DB & AD

Location of Core: 615 Pauline Ave., 11' N. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-3/4" Bituminous concrete - surface	Full
2 ---	Petromat	
3 ---		
4 ---	2-1/4" Bituminous concrete - binder	Full
5 ---	1-1/4" Bituminous concrete - binder	Full
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	10-3/4" Crushed gravel with fines	Partial
11 ---		
12 ---		
13 ---		
14 ---		
15 ---		
16 ---	Total 16-0"	
17 ---	E.O.C.	
18 ---		
19 ---		
20 ---		

8 W. COLLEGE DR. • SUITE C • ARLINGTON HEIGHTS, IL 60004

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 119 Work Done By: DB & AD

Location of Core: N. William Ave. & Pauline Ave., 9' S. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---		
1 ---	1-1/4" Bituminous concrete - surface Petromat	Full
2 ---	1-1/4" Bituminous concrete - surface	Full
3 ---		
4 ---		
5 ---		
6 ---	5-0" Bituminous concrete - binder	Full
7 ---	no bond	
8 ---	2-0" Bituminous concrete - binder	Full
9 ---		
10 ---		
11 ---		
12 ---		
13 ---		
14 ---		
15 ---	11-0" Crushed gravel with fines	Partial
16 ---		
17 ---		
18 ---		
19 ---		
20 ---		
20.5	Total 20-1/2"	
E.O.C.		

G-333

CORE LOG

Client: Village of Buffalo Grove Reference Candlewood Creek, Buffalo Grove, IL

Core No: 120 Work Done By: DB & AD

Location of Core: 15840 Pauline AVE., 10' N. of CL

Comments: _____

(Depth, In.)	Type of Material	Recovery
0 ---	1-1/4" Bituminous concrete - surface	Full
1 ---	Petromat	
2 ---	0-1/2" Bituminous concrete - surface	Full
3 ---	1-1/4" Bituminous concrete - surface (failed) no bond	Partial
4 ---	1-1/4" Bituminous concrete - binder (failed)	Partial
5 ---		
6 ---		
7 ---		
8 ---		
9 ---		
10 ---	11-1/4" PAM - 100% deteriorated	Partial
11 ---		
12 ---		
13 ---		
14 ---		
15 ---		
16 ---	E.O.C. Total 15-1/2"	
17 ---		
18 ---		
19 ---		
20 ---		

SOIL BORING LOG 102

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25206 Date Drilled: 8/29/24

Reference: Candlewood Creek
Buffalo Grove, IL

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, % 10 20 30 40			
	Elevation Existing Surface								
	(See Core Log)								
1	Brown fine sand & gravel, some medium-coarse sand, very damp, dense - Fill								
2									
3		35	3.7			Δ		X	
4									
5	Brown clay, some silt, trace sand & gravel, damp, very tough to hard	8	13.8			X Δ		●	
6									
7									
8	End of Boring	14	16.9	125.7	4.2	X Δ		● O	
9									
10									

Water encountered at 3.5 feet during drilling operations (W.D.)
 Water recorded at 4.0 feet on completion of drilling operations (A.D.)
 Water recorded at feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG 108

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25206 Date Drilled: 8/29/24

Reference: Candlewood Creek
Buffalo Grove, IL

Comments:

Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other

CLASSIFICATION

Elevation Existing Surface

depth, ft.	standard penetration	moisture content	dry unit weight lbs./cu.ft.	unconfined compressive strength	☐ unconfined compressive strength, tons/sq. ft. ☒ penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0				☒ standard penetration "N", blows/ft. ☐ moisture content, % 10 20 30 40			
	X	Δ	γ	O								
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												

(See Core Log)

Brown clay, some silt, trace sand & gravel, damp, very tough to hard

7 24.0

12 22.3 119.0 6.2

17 15.1 120.5 6.9

End of Boring

Water encountered at dry feet during drilling operations (W.D.)
Water recorded at dry feet on completion of drilling operations (A.D.)
Water recorded at dry feet hours after completion of drilling operations (A.D.)

Client: Village of Buffalo Grove

File No. 25206 Date Drilled: 8/29/24

Reference: Candlewood Creek
Buffalo Grove, IL

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	☐ unconfined compressive strength, tons/sq. ft. ☒ penetrometer reading, tons/sq. ft.			
	CLASSIFICATION					1.0	2.0	3.0	4.0
Elevation	Existing Surface					X standard penetration "N", blows/ft. Δ moisture content, %			
						10	20	30	40
	(See Core Log)								
1	Black-dark brown silt & clay, trace sand & gravel, damp, medium dense - Fill								
2									
3	Black silt, some clay, trace sand & roots, damp (topsoil)	10	18.0			X	Δ		
			32.4					Δ	
4	Brown-gray clay, some silt, trace sand & gravel, damp, tough								
5		7	23.1	102.6	1.8	X	●	○	Δ
6									
7									
8	End of Boring	4	28.8	95.5	1.8	X	●	○	Δ
9									
10									

Water encountered at feet during drilling operations (W.D.)
 Water recorded at dry feet on completion of drilling operations (A.D.)
 Water recorded at dry feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG 201

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25206 Date Drilled: 8/29/24

Reference: Candlewood Creek
Buffalo Grove, IL

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	☐ unconfined compressive strength, tons/sq. ft. ☒ penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	Black silt, some clay, trace sand, gravel & roots, damp, loose (topsoil) - Fill								
2									
3	Brown clay, some silt, trace sand & gravel, damp, hard	6	22.1			X	Δ		
4									
5		10	13.1	121.6	5.5	X	Δ		5.5
6									
7	Gray clay, some silt, trace sand & gravel, damp, hard								
8	End of Boring	9	14.8	121.2	4.0	X	Δ	●	○
9									
10									

Water encountered at dry feet during drilling operations (W.D.)
Water recorded at dry feet on completion of drilling operations (A.D.)
Water recorded at dry feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG 202

Logged By: CS

Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25206 Date Drilled: 8/29/24

Reference: Candlewood Creek
Buffalo Grove, IL

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	☐ unconfined compressive strength, tons/sq. ft. ☒ penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, %			
	Elevation Existing Surface					10	20	30	40
1	Black silt, some clay, trace sand, gravel & roots, damp, loose (topsoil) - Fill								
2									
3	Gray clay, some silt, trace sand & gravel, damp, hard	8	30.2			X		Δ	
4									
5		12	12.2	125.7	6.5	X			W.L.
6									
7	Gray clay, some silt, trace sand & gravel, damp, tough								
8	End of Boring	6	17.7	112.5	1.4	X	●	○	Δ
9									
10									

Water encountered at dry feet during drilling operations (W.D.)
 Water recorded at dry feet on completion of drilling operations (A.D.)
 Water recorded at hours after completion of drilling operations (A.D.)

SOIL BORING LOG 203

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25206 Date Drilled: 8/29/24

Reference: Candlewood Creek
Buffalo Grove, IL

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	☐ unconfined compressive strength, tons/sq. ft. ☒ penetrometer reading, tons/sq. ft.			
	CLASSIFICATION					1.0	2.0	3.0	4.0
Elevation	Existing Surface					X standard penetration "N", blows/ft. Δ moisture content, %			
						10	20	30	40
	Topsoil - Fill - 3.0"								
1	Brown-dark brown clay, some silt, trace sand & gravel, dry, hard - Fill								
2									
3		16	16.7	106.3	4.3	X			O
4	Brown-gray clay, some silt, trace sand & gravel, damp, very tough - Fill								
5		7	21.5	104.0	2.4	X	●	Δ	
6	Gray clay, some silt, trace sand & gravel, damp, very tough								
7									
8		8	17.1	112.9	3.6	X	Δ	●	O
9									
10	End of Boring	7	15.3	119.0	2.9	X	Δ	●	O

Water encountered at feet during drilling operations (W.D.)
 Water recorded at dry feet on completion of drilling operations (A.D.)
 Water recorded at dry feet hours after completion of drilling operations (A.D.)

SOIL BORING LOG 204

Logged By: CS Page: 1 of 1

Client: Village of Buffalo Grove

File No. 25206 Date Drilled: 8/29/24

Reference: Candlewood Creek
Buffalo Grove, IL

Comments:

depth, ft.	Equipment: ☒ D - 25 ☐ D - 50 ☐ Hand Auger ☐ Other	standard penetration X	moisture content Δ	dry unit weight lbs./cu.ft. γ	unconfined compressive strength O	○ unconfined compressive strength, tons/sq. ft. ● penetrometer reading, tons/sq. ft. 1.0 2.0 3.0 4.0			
	CLASSIFICATION					X standard penetration "N", blows/ft. Δ moisture content, % 10 20 30 40			
	Elevation Existing Surface								
	Bituminous concrete - 3.0"								
1	Sand & gravel								
2	Brown clay, some silt, trace sand & gravel, damp, very hard								
3		10	16.2	114.1	8.7	X	Δ		8.7
4	Brown clay, some silt, trace sand & gravel, damp, hard								
5		8	18.5	112.7	5.0	X	Δ	●	5.0
6									
7	Brown fine sand, some gravel & medium-coarse sand, trace silt, very damp, very loose								
8	End of Boring	4	22.7			X	Δ		
9									
10									

Water encountered at dry feet during drilling operations (W.D.)
 Water recorded at dry feet on completion of drilling operations (A.D.)
 Water recorded at dry feet hours after completion of drilling operations (A.D.)

GENERAL NOTES

SAMPLE CLASSIFICATION

Soil sample classification is based on the Unified Soil Classification System, the Standard Practice for Description and Identification Soils (Visual-Manual Procedure), ASTM D-2488, the Standard Test Method for Classification of Soils for Engineering Purposes, ASTM D-2487 (when applicable), and the modifiers noted below.

CONSISTENCY OF COHESIVE SOILS

<u>Term</u>	<u>Qu-tons.sq.ft.</u>	<u>N (unreliable)</u>
Very soft	0.00 – 0.25	0 – 2
Soft	0.26 – 0.49	3 – 4
Stiff	0.50 – 0.99	5 – 8
Tough	1.00 – 1.99	9 – 15
Very Tough	2.00 – 3.99	16 – 30
Hard	4.00 – 7.99	30 +
Very Hard	8.00 +	

RELATIVE DENSITY OF GRANULAR SOILS

<u>Term</u>	<u>N – blows/foot</u>
Very Loose	0 – 4
Loose	5 – 9
Medium Dense	10 – 29
Dense	30 – 49
Very Dense	50 +

IDENTIFICATION AND TERMINOLOGY

<u>Term</u>	<u>Size Range</u>
Boulder	over 8 in.
Cobble	3 in. to 8 in.
Gravel - coarse	1 in. to 3 in.
- medium	3/8 in. to 1 in.
- fine	#4 sieve to 3/8 in.
Sand - coarse	#10 sieve to #4 sieve
- medium	#40 sieve to #10 sieve
- fine	#200 sieve to #40 sieve
Silt	0.002 mm to #200 sieve
Clay	smaller than 0.002mm

Modifying Term Percent by Weight

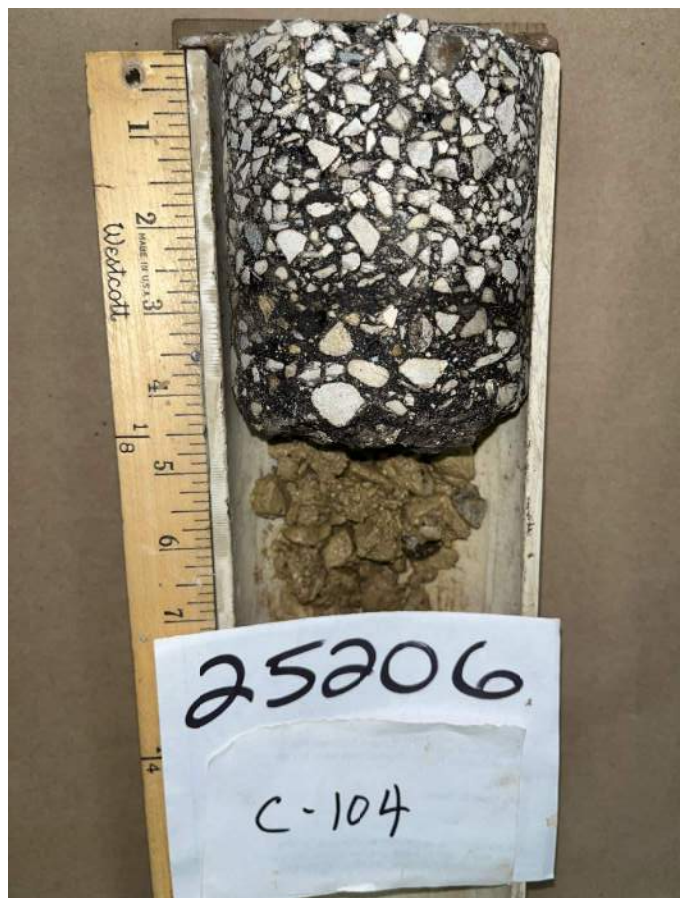
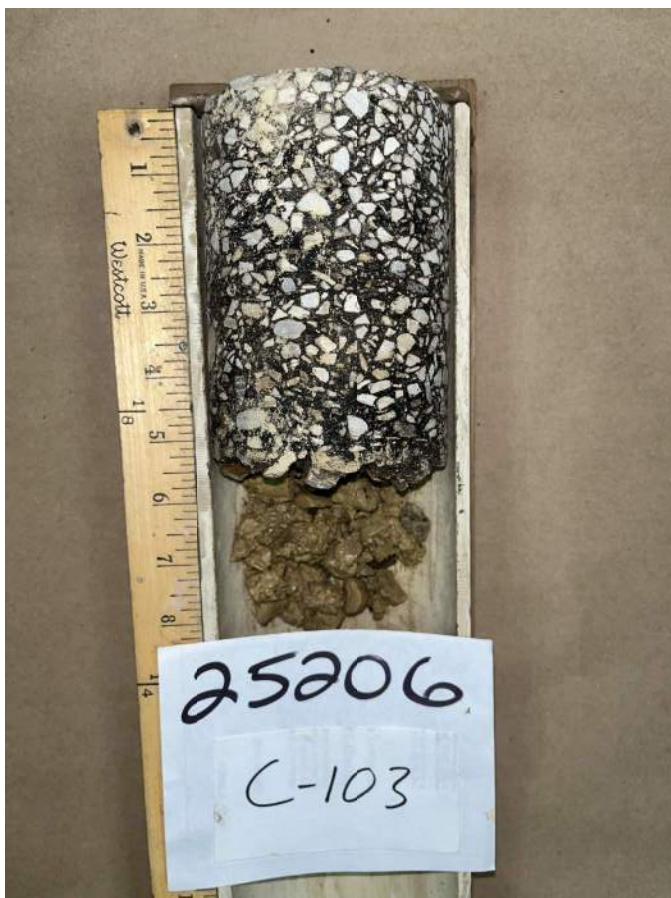
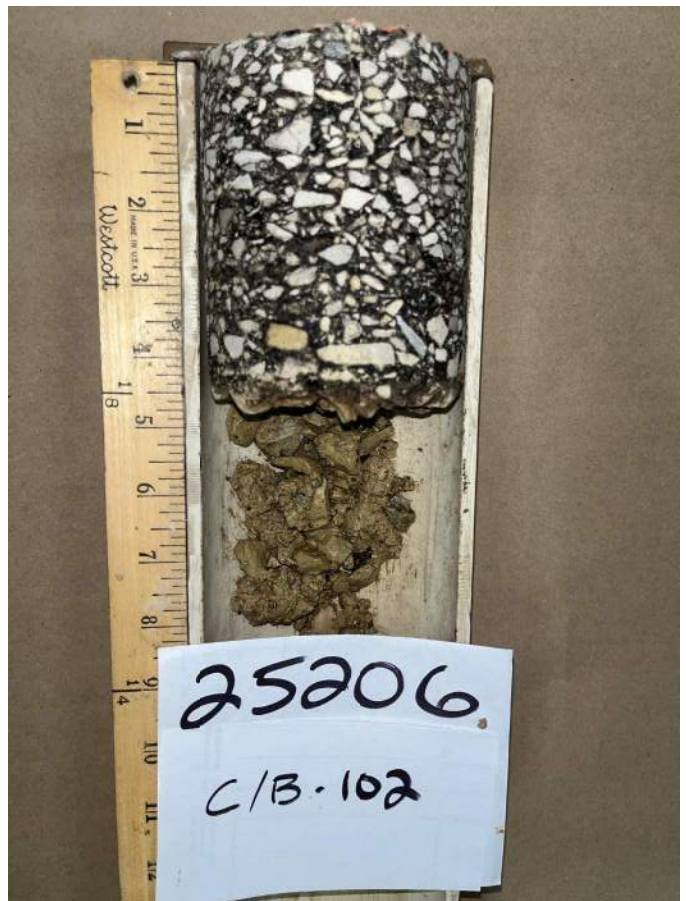
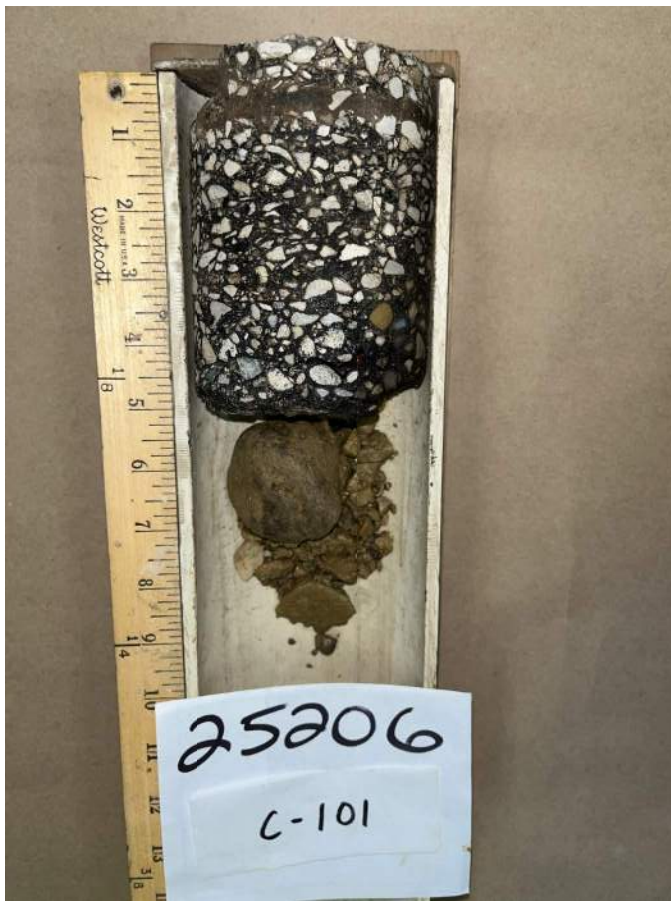
Trace	1 – 10
Little	11 – 20
Some	21 – 35
And	36 – 50

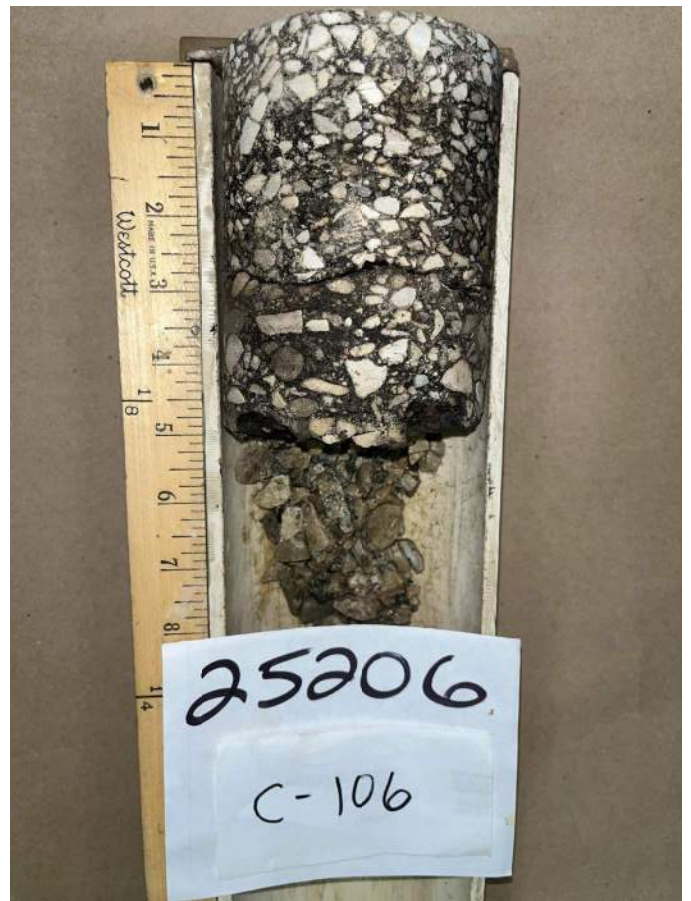
Moisture Content

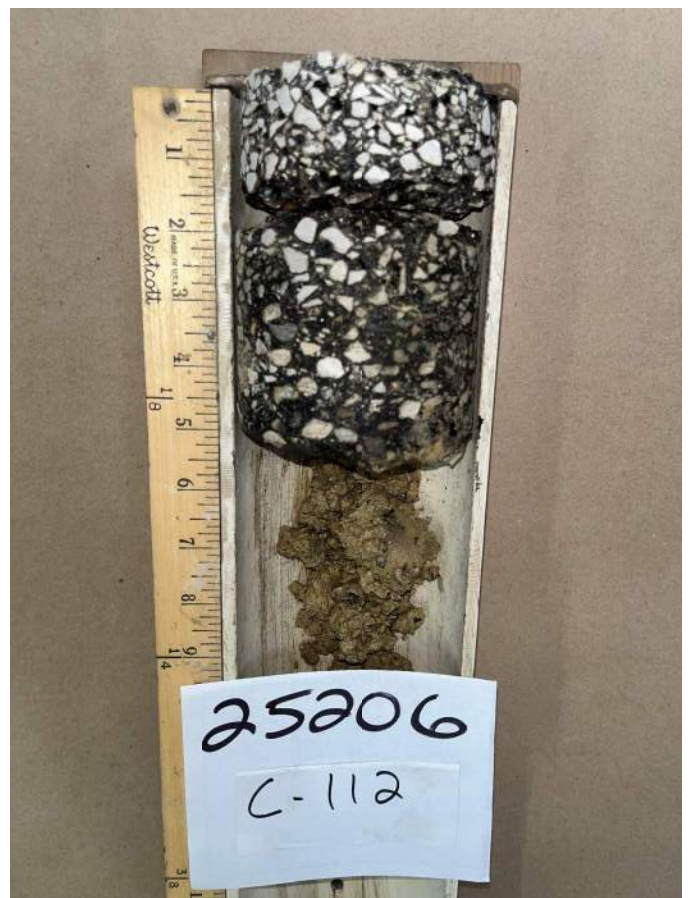
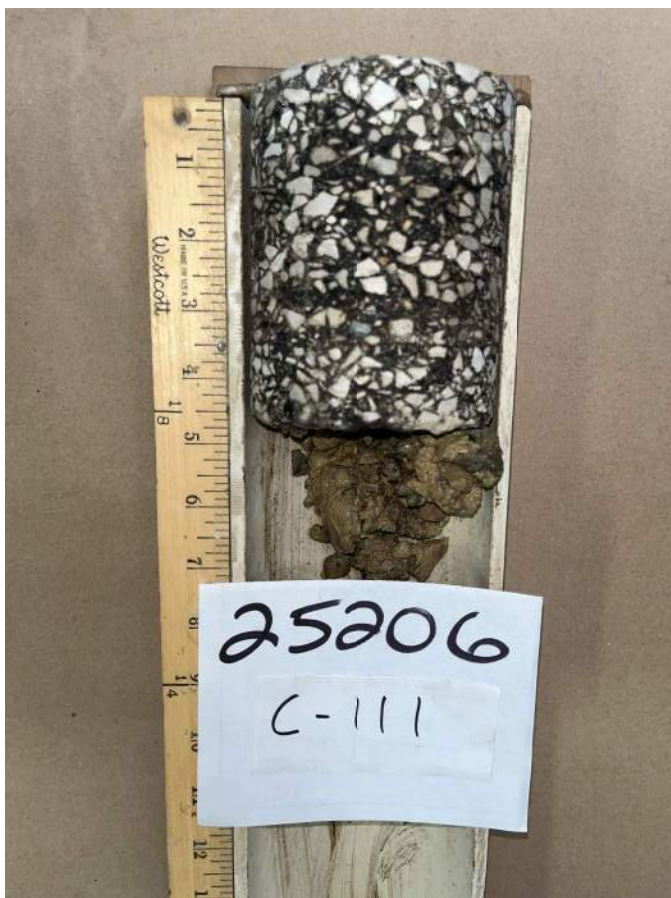
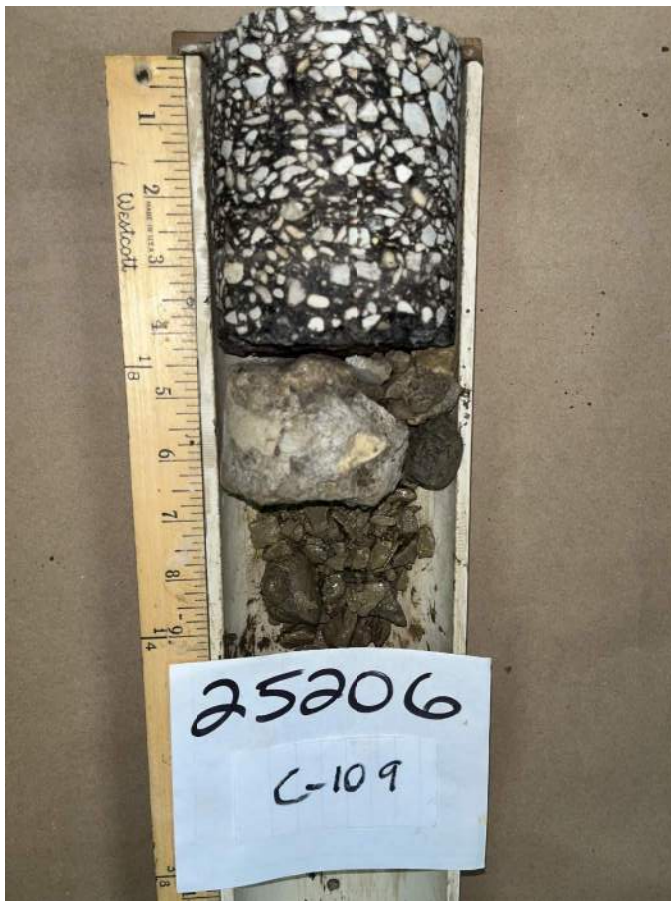
Dry
Damp
Very Damp
Saturated

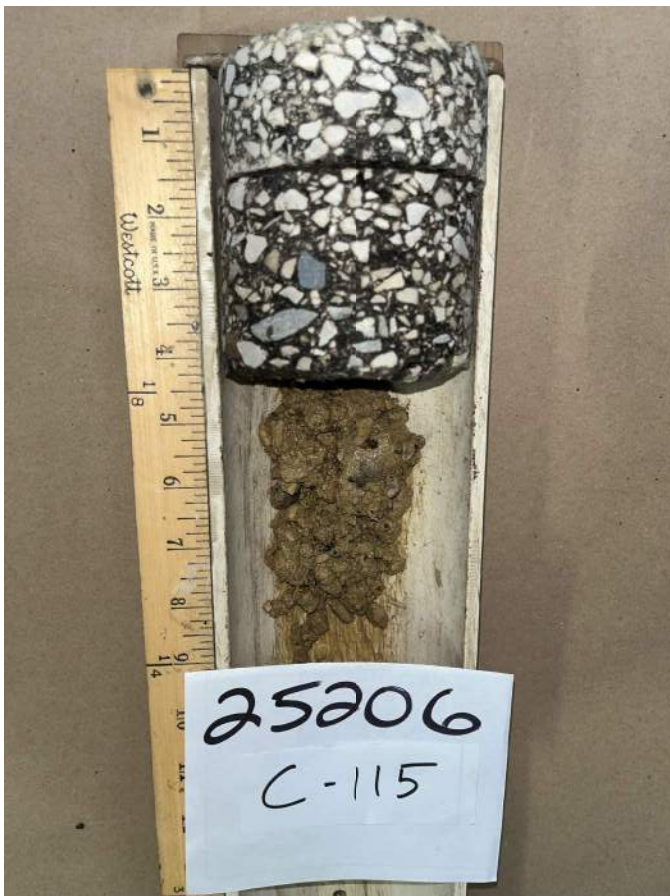
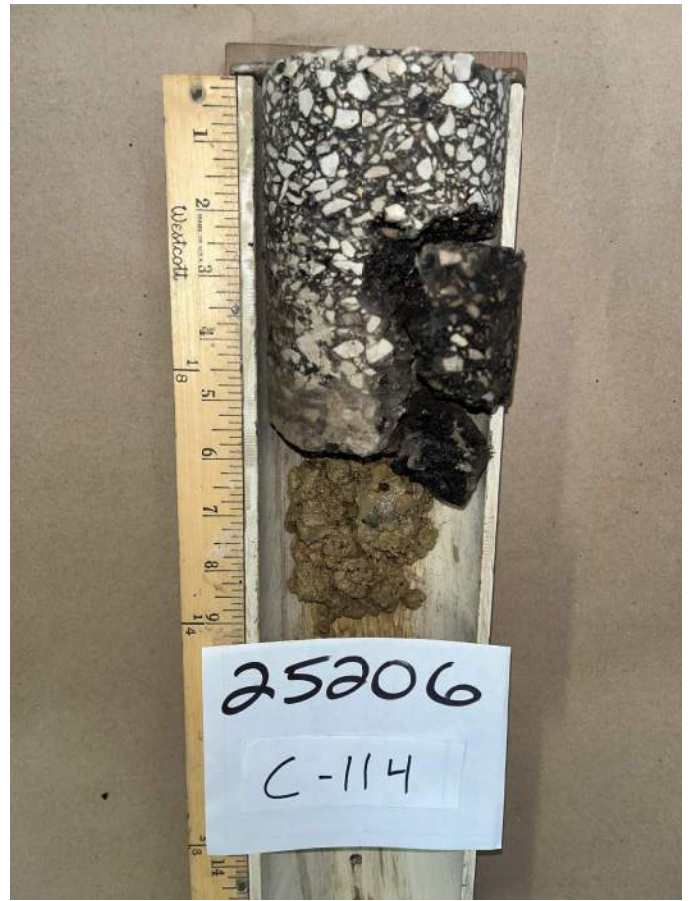
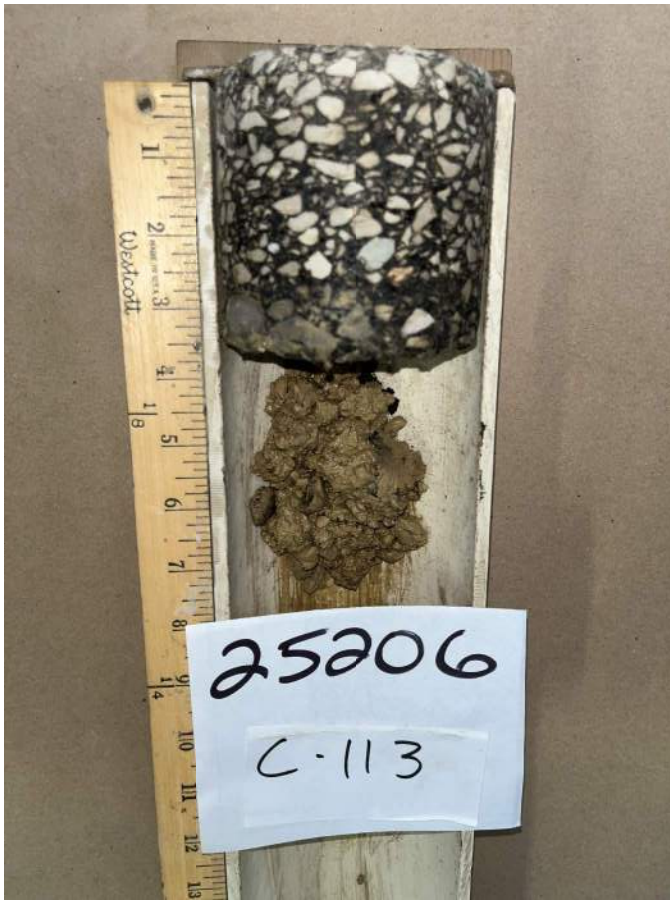
DRILLING, SAMPLING & SOIL PROPERTY SYMBOLS

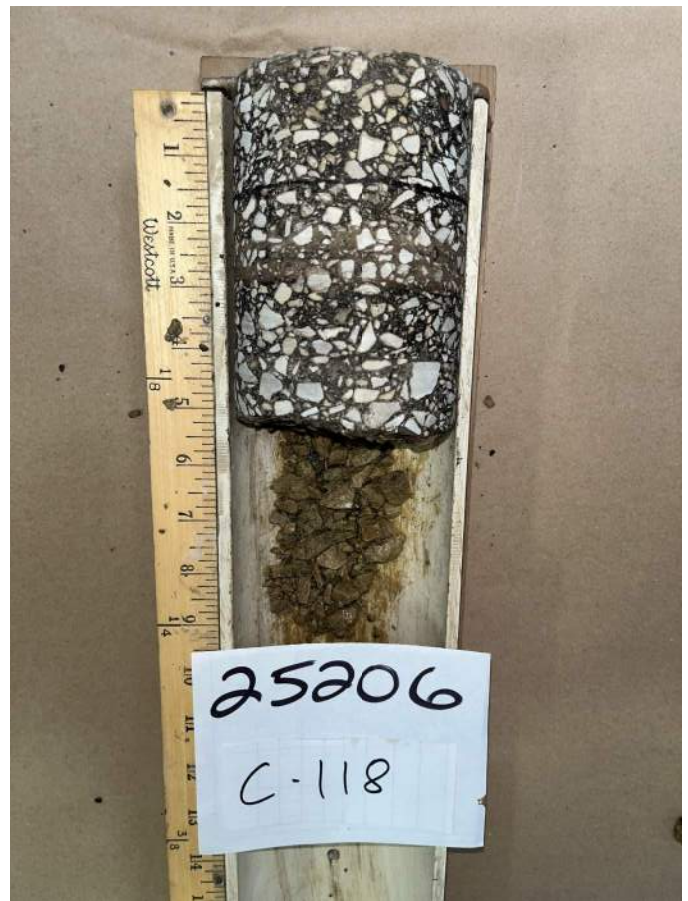
CF	- Continuous Flight Auger
HS	- Hollow Stem Auger
HA	- Hand Auger
RD	- Rotary Drilling
AX	- Rock Core, 1-3/16 in. diameter
BX	- Rock Core, 1-5/8 in. diameter
NX	- Rock Core, 2-1/8 in. diameter
S	- Sample Number
T	- Type of Sample
J	- Jar
AS	- Auger Sample
SS	- Split Spoon (2 in. O.D. with 1-3/8 in. I.D.)
ST	- Shelby Tube (2 in. O.D. w/ith 1-7/8 in. I. D.)
R	- Recovery Length, in.
B	- Blows/6 in. interval, Standard Penetration Test (SPT)
N	- Blows/foot to drive 2 in. O.D. split-spoon sampler with 140 lb. hammer falling 30 in., (STP)
Pen.	- Pocket Penetrometer readings, tons/sq.ft.
W	- Water Content, % dry weight
Uw	- Dry Unit Weight of soil, lbs./cu.ft.
Qu	- Unconfined Compressive Strength, tons/sq.ft.
Str	- % Strain at Qu.
WL	- Water Level
WD	- While Drilling
AD	- After Drilling
DCI	- Dry Cave-in.
WCI	- Wet Cave-in.
LL	- Liquid Limit, %
PL	- Plastic Limit, %
PI	- Plasticity Index (LL-PL)
LI	- Liquidity Index [(W-PL)/PI]













AGENDA ITEM SUMMARY

BUFFALO GROVE VILLAGE BOARD

Regular Meeting: January 21, 2025

AGENDA ITEM 9.d. O-2025-20

Ordinance Approving a Post-Award Intergovernmental Agreement with the Lake County Stormwater Management Commission Relating to a \$5,500,000.00 Grant for Capital Improvements to Northwood Subdivision and Horatio Gardens

Contacts

Liaison: Trustee Stein

Staff: Kyle Johnson

Staff Recommendation

Staff recommends approval.

Recommended Motion

I move to approve an ordinance approving a post-award intergovernmental agreement with the Lake County Stormwater Management Commission Relating to a \$5,500,000.00 Grant for Capital Improvements to Northwood Subdivision and Horatio Gardens, pending approval of the Village Attorney and Village Engineer.

Summary

Recommendation

Staff recommends that the Village Board authorize the Village President to execute an Ordinance approving a Post-Award Intergovernmental Agreement (IGA) with the Lake County Stormwater Management Commission relating to a \$5,500,000.00 grant for Capital Improvements to Northwood Subdivision and Horatio Gardens, pending final review and approval by the Village Attorney and Village Engineer.

Background

Last year staff applied for a Grant through the Lake County Stormwater Management Commission (SMC) for their second phase of Department of Commerce & Economic Opportunity (DCEO) funding toward stormwater management. The Grant application was on behalf of both the Village of Buffalo Grove and Vernon Township for improvements in the Northwoods Subdivision and Horatio Garden areas. After careful consideration by SMC for many competitive projects, this regional stormwater improvement was selected for two full awards, \$2.75 million for each agency.

As part of the bid documents and project award up for consideration tonight, both agencies aim to complete other necessary improvements to associated infrastructure in the area while

also accomplishing the objectives of the grant funding. The Village will serve as the lead agency of one project that covers both areas.

On June 17th, 2024 the Village Board approved a Pre-Award IGA that allowed SMC to continue its grant processing with DCEO so the funding could be available for the project in 2025. The SMC Board also approved that IGA in June, which allowed both units to work toward securing the funding for these two projects (which are collectively being constructed under the 2025 Northwood Street & Utility Project).

This Post-Award IGA now facilitates the specific assignment of DCEO grant funds through SMC to the Village and Township through this specific project. The obligations and grant funding remain the same as the Pre-Award IGA, however details about reimbursement logistics, timeline for construction, Business Enterprise Program (BEP) goals and other items are now specifically called out.

Staff intends to request reimbursement periodically throughout the project to ensure all the funding mechanisms are continually met through the trickle down from DCEO to SMC and ultimately to the Village.

As was a condition of the Pre-Award IGA, the Village will be responsible for a Project Expense Match (PEM) of \$364,031.25 to SMC for their administrative efforts in securing and facilitating the grant on the behalf of the Village and Township. This PEM is calculated by the low/moderate income percentage in the census block of the project expressed as a decimal (0.1175) subtracted from one (1), the difference of which is multiplied by the maximum 15% Project Expense Match rate allowed per program policy, expressed as a decimal (0.15), multiplied by the amount of grant funding requested for the Northwood Subdivision Stormwater Improvements Project-Phase 1 (\$2,750,000).

The PEM will be authorized for payment as a part of this agreement approval, however staff will not facilitate the payment until later in the project. Staff will process that payment, which is included in the Capital Improvement Program budget and overall project costs, after the Village has received at least 50% of the grant funding from SMC.

Strategic Alignment

Guiding Principle

Principle 7: Builds Our Community

Goal

Goal 2: Enhanced, beautiful, safe and sustainable neighborhoods

File Attachments

1. Draft Ordinance - SMC Post-Award IGA
2. Draft - SMC Post-Award IGA



ORDINANCE 2025-xxx

AN ORDINANCE AUTHORIZING A POST-AWARD INTERGOVERNMENTAL AGREEMENT WITH THE LAKE COUNTY STORMWATER MANAGEMENT COMMISSION RELATING TO A \$5,500,500 GRANT FOR CAPITAL IMPROVEMENTS TO NORTHWOOD SUBDIVISION AND HORATIO GARDENS

WHEREAS the Village of Buffalo Grove is a home rule unit pursuant to the Illinois Constitution of 1970; and

WHEREAS the Village seeks to enter into a Post-Award Intergovernmental Agreement with the Lake County Stormwater Management Commission relating to a \$5,500,000.00 grant for Capital Improvements to Northwood Subdivision and Horatio Gardens.

NOW THEREFORE BE IT ORDAINED by the President and Board of Trustees of the Village of Buffalo Grove, Cook and Lake Counties, Illinois, as follows:

SECTION 1. The foregoing recitals are hereby adopted and incorporated and made a part of this Ordinance as if fully set forth herein.

SECTION 2. The Village President is authorized to enter into a a Post-Award Intergovernmental Agreement with the Lake County Stormwater Management Commission relating to a \$5,500,000.00 grant for Capital Improvements to Northwood Subdivision and Horatio Gardens, pending Village Attorney and Village Engineer review.

SECTION 3. If any section, paragraph, clause or provision of this Ordinance shall be held invalid, the invalidity thereof shall not affect any other provision of this Ordinance.

SECTION 4. This Ordinance shall be in full force and effect from and after its passage and approval and shall not be codified.

AYES: _____
NAYES: _____
ABSENT: _____
PASSED: _____, 2025
APPROVED: _____, 2025
PUBLISHED: _____, 2025

ATTEST:

APPROVED:

Janet M. Sirabian, Village Clerk

Eric N. Smith, Village President

**ILLINOIS DEPARTMENT OF COMMERCE AND ECONOMIC OPPORTUNITY
STORMWATER CAPITAL IMPROVEMENT PROGRAM (DCEO-STOCIP)
INTERGOVERNMENTAL AGREEMENT
between the
LAKE COUNTY STORMWATER MANAGEMENT COMMISSION
AND THE
VILLAGE OF BUFFALO GROVE
FOR THE
NORTHWOOD SUBDIVISION STORMWATER IMPROVEMENTS PHASE 1 AND HORATIO GARDENS
DRAINAGE IMPROVEMENTS PROJECTS**

This is an agreement by and between the LAKE COUNTY STORMWATER MANAGEMENT COMMISSION (herein referred to as “SMC”), 500 West Winchester Road, Libertyville, Illinois 60048 and the VILLAGE OF BUFFALO GROVE, (herein referred to as “Local Sponsor”), 50 Raupp Boulevard, Buffalo Grove, Illinois 60089.

**ARTICLE I
AWARD AND SMC/LOCAL SPONSOR – SPECIFIC PROJECT INFORMATION**

1.1 Purpose. The DCEO-STOCIP Program’s primary role is to assist in implementing regional stormwater infrastructure projects to resolve multi-jurisdictional drainage and flooding-related problems discovered through interactions of SMC personnel with the public, local governments, and other project partners. Projects will be consistent with the program requirements set forth by DCEO and the SMC DCEO-STOCIP Policies and Procedures and this document. The intent of DCEO-STOCIP is to resolve major flooding problems through the allocation of capital infrastructure funding across Lake County’s four major watersheds: the Fox River, Des Plaines River, North Branch Chicago River, and Lake Michigan. Over the life of the program the funding distribution will take into account the equalized assessed valuation (EAV) of the property within each major watershed; while utilizing the CMAP Principles of Inclusive Growth, Resilience, and Prioritized Investment with regard to distribution to local government and political jurisdictions; and give consideration of the SMC Enhanced Environmental Justice areas.

1.2 Project Description. The Northwood Subdivision Stormwater Improvements Project-Phase 1 and Horatio Gardens Drainage Improvement Projects (“PROJECT”/“PROJECTS”) are located north of Armstrong Avenue, south of Pope Boulevard, east of Weiland Road and west of Wisconsin Central/Canadian National Railroad in the Village of Buffalo Grove and unincorporated Vernon Township, Illinois and consist of storm sewer removal and installation, earth excavation, and road reconstruction/rehabilitation (“PROJECT SCOPE”), which is more fully described in Exhibit 3.

1.3 Amount of Grant Contribution. Through this Agreement, SMC agrees to contribute, by means of reimbursement, eligible project expenses in an amount not to exceed \$2,750,000 for implementation of the Northwoods Subdivision Stormwater Improvements Phase 1 Project; and by means of reimbursement, eligible project expenses in an amount not to exceed \$2,750,000 for implementation of the Horatio Gardens Drainage Improvements Project. SMC Reimbursement is contingent upon funding from DCEO, Local Sponsor’s compliance with the terms of the DCEO-SMC Grant Agreement (Exhibit 6), compliance with terms and conditions of DCEO-STOCIP program, and compliance with all applicable federal and state laws and regulations.

1.4 Required Project Expense Match. A Project Expense Match (“PEM”) of \$364,031.25 will be paid by the Local Sponsor to SMC to support administrative and engineering services. The PEM shall be paid to SMC no later than 120 days following the execution date of this Agreement. If this Agreement is terminated, PEM costs shall be determined as set forth in Section 6.6.c. The PEM is based upon the following: The low/moderate income percentage in the census block of the project expressed as a decimal (0.1175) subtracted from one (1), the difference of which is multiplied by the maximum 15% Project Expense Match rate allowed per program policy, expressed as a decimal (0.15), multiplied by the amount of grant funding requested for the Northwood Subdivision Stormwater Improvements Project-Phase 1 (\$2,750,000), or, expressed numerically: $(1-(0.1175)) \times 0.15 \times \$2,750,000 = \$364,031.25$.

1.5 Project Management and Responsibilities for Projects. Program management and assigned responsibilities for all PROJECT phases is detailed in the Scope of Work Tasks set forth on Exhibit 3 and incorporated herein. The LOCAL SPONSOR is the Project Manager for the PROJECTS.

1.6 Project Budget and Expense Responsibilities. PROJECT expense responsibilities for all Scope of Work Tasks (Exhibit 3) are specified in the Project Budget in accordance with DCEO Capital Budget Line Item Categories as set forth in Exhibit 4 and incorporated herein.

1.7 Project Schedule. The Project Schedule associated with all Scope of Work Tasks (Exhibit 3) is specified on Exhibit 5 and incorporated herein.

ARTICLE II PURPOSE FOR GRANT

2.0 Purpose for Grant. The purpose of the PROJECTS is to reduce flood damages and impacts within the Village of Buffalo Grove and unincorporated Vernon Township while also improving associated infrastructure.

ARTICLE III SMC TERMS AND CONDITIONS

3.1 Regulatory Compliance. The PROJECTS shall comply with any and all terms and obligations imposed by any grant that may be awarded pursuant to the DCEO-STOCIP program, as well as the Lake County Watershed Development Ordinance (WDO) or local standards if more restrictive, and all regulations, laws, and statutes. It is the responsibility of the Local Sponsor to ensure that all necessary permits are secured prior to the implementation of the PROJECTS. Work within public road rights-of-way shall not be performed without appropriate permits or authorization from the jurisdictional Road Authority. Additional compliance requirements and guidance are included in Exhibit 7.

3.2 National Flood Insurance Program (NFIP). Local Sponsor shall be a member and in good standing with the NFIP and comply with SMC policies.

3.3 Landowner Agreements. The Local Sponsor shall enter into appropriate legally binding arrangements to ensure that any and all land rights that may be necessary for operation and maintenance procedures contemplated by these PROJECTS are possible in perpetuity during and after the PROJECTS' completion. All easements must be obtained prior to the start of construction. Documentation showing that the Local Sponsor has obtained the necessary deed or plat restrictions to construct and maintain the PROJECTS shall be provided to SMC prior to start of the PROJECTS. The cost of obtaining landowner agreements shall not be included in the PROJECT Budget (Exhibit 4), although the value of the PROJECTS land rights may be added to the overall PROJECT cost. PROJECTS must be located on real property in which the Local Sponsor has interest evidenced by valid title or easement, extending in perpetuity. Neither SMC funding nor any DCEO-STOCIP funding awarded for these PROJECTS shall be used to pay for any easements or deed or plat restrictions necessary to implement the PROJECTS on property that is benefiting from the PROJECTS, any such costs shall be the sole responsibility of the Local Sponsor.

3.4 Operation and Maintenance Plan. The Project Manager shall develop an Operation and Maintenance Plan (O & M Plan) for the PROJECTS implemented under this Agreement to ensure its long-term viability. The O & M Plan shall include annual inspections and appropriate maintenance activities and shall be provided along with the project final report as described in Section 3.8 below. The O & M Plan shall identify the financial resources necessary for the implementation of the O & M Plan. Local Sponsor shall have the responsibility for maintenance of the PROJECTS in perpetuity. O & M costs incurred that are not included in Exhibit 4, Item DCEO-10, "Other Construction Expenses," or occur after the term of this Agreement, as specified in Section 6.1, are not eligible for reimbursement.

3.5 PROJECT Implementation. Only Project Expenses specified in Exhibit 4 that are incurred during the term of this Agreement or included as prior incurred costs in the executed DCEO-SMC Grant Agreement (Exhibit 6), can be reimbursed.

3.6 PROJECT Modification. Modifications to the Scope of Work Tasks on Exhibit 3 and Project Schedule on Exhibit 5 must be approved in writing by SMC and may require approval of DCEO.

3.7 PROJECT Coordination. The Project Manager shall provide PROJECT coordination and progress briefings as requested by SMC during the course of the PROJECTS. Project Manager shall provide SMC monthly PROJECT Financial reports as PDF and Microsoft Excel files, based on DCEO reporting requirements, showing the progress of PROJECT implementation and financial summary for each Task/Phase of the PROJECTS in accordance with the Project Schedule (Exhibit 5). Reports shall be submitted via email to the SMC Contact by the 7th day of the following

month throughout the term of this Agreement. Frequency of reporting requirements may be changed by SMC as required or allowed by DCEO.

3.8 PROJECT Evaluation and Report. The Project Manager shall provide a final report consisting of the following: an introduction; PROJECT description including pre- and post-conditions, methods of PROJECT installation; a summary of the bid quantities installed; and a final expenditure report for the PROJECTS which includes a cost summary. Attachments to the final report shall include a location map; the approved as-built plan; Operations and Maintenance Plan; photographic documentation of pre-project, during construction and final conditions; copies of all required permits; and invoices and/or cost documentation for all PROJECT work including in-kind work and materials. Report requirements are subject to change based on guidance from DCEO. SMC will provide the Local Sponsor with a DCEO approved template for the final report. A final report which complies with the provisions of this Section must be provided to SMC within 30 days after completion of the PROJECTS, and no later than November 15, 2026, whichever is earlier. Final reimbursement request will not be paid until the final report is received.

3.9 PROJECT Audit. SMC may audit any PROJECT for completeness of DCEO-STOCIP funded work products or deliverables, adherence to agreed schedules or extensions, and appropriateness of DCEO-STOCIP fund expenditures. Incomplete work products or deliverables, delays or beyond agreed deadlines may result in forfeiture of grant funding pursuant to the executed PROJECT agreement and/or a determination of ineligibility for the Local Sponsor, its authorized agents, representatives, and assigns to apply for future grants.

ARTICLE IV DEPARTMENT OF COMMERCE AND ECONOMIC OPPORTUNITY (DCEO) TERMS AND CONDITIONS

This Article incorporates Terms and Conditions required by DCEO ("Grantor" for purposes of this Article) for Intergovernmental Agreements between SMC and Local Sponsors.

4.1 Lobbying Certification by Sub-awardees. Pursuant to ARTICLE XI of the DCEO Grant Agreement between SMC and Grantor, the following provisions are incorporated into this Agreement. Local Sponsor is also subject to certification and disclosure, as required by the DCEO-SMC Grant Agreement (Exhibit 6). Local Sponsor agrees that pursuant to Appendix II(I) to 2 CFR Part 200, SMC shall forward all disclosures by contractors regarding this certification to Grantor.

4.1.a. Improper Influence. Local Sponsor certifies that no Grant Funds have been paid or will be paid by or on behalf of it to any person for influencing or attempting to influence an officer or employee of any government agency, a member of Congress or Illinois General Assembly, an officer or employee of Congress or Illinois General Assembly, or an employee of a member of Congress or Illinois General Assembly in connection with the awarding of any agreement, the making of any grant, the making of any loan, the entering into of any cooperative agreement, or the extension, continuation, renewal, amendment or modification of any agreement, grant, loan or cooperative agreement. 31 USC 1352. Additionally, Local Sponsor certifies that it has filed the required certification under the Byrd Anti-Lobbying Amendment (31 USC 1352), if applicable.

4.1.b. Federal Form LLL. If any funds, other than federally-appropriated funds, were paid or will be paid to any person for influencing or attempting to influence any of the above persons in connection with this Agreement, the undersigned must also complete and submit Federal Form LLL, Disclosure of Lobbying Activities Form, in accordance with its instructions and submit a copy to the SMC.

4.1.c. Lobbying Costs. Local Sponsor certifies that it is in compliance with the restrictions on lobbying set forth in 2 CFR 200.450. For any Indirect Costs associated with this Agreement, total lobbying costs shall be separately identified in the Program Budget, and thereafter treated as other Unallowable Costs.

4.1.d. Procurement Lobbying. Local Sponsor warrants and certifies that it and, to the best of its knowledge, its sub-awardees have complied and will comply with Executive Order No. 1 (2007) (EO 1-2007). EO 1-2007 generally prohibits grantees, sub-awardees, and subcontractors from hiring the then-serving Governor's family members to lobby procurement activities of the State, or any other unit of government in Illinois including local governments, if that procurement may result in a contract valued at over \$25,000. This prohibition also applies to hiring for that same purpose any former State employee who had procurement authority at any time during the one-year period preceding the procurement lobbying activity.

4.1.e. Certification. This certification is a material representation of fact upon which reliance was placed to enter into this Agreement and is a prerequisite for this Agreement, pursuant to 31 USC 1352. Any person who fails to file the required certifications shall be subject to a civil penalty of not less than \$10,000, and not more than \$100,000, for each such failure.

4.2 Maintenance and Accessibility of Records; Monitoring.

4.2a. Records Retention. Local Sponsor shall maintain for ten (10) years from the date of submission of the final expenditure report for the PROJECTS adequate books, all financial records and, supporting documents, statistical records, and all other records pertinent to the PROJECT, the DCEO Award and this Grant Contribution, adequate to comply with 2 CFR 200.333, unless a longer retention period is specified in 2 CFR 200.333 or 44 Ill. Admin. Code §§ 7000.430(a) and (b). If any litigation, claim or audit is started before the expiration of the retention period, the records must be retained until all litigation, claims or audit exceptions involving the records have been resolved and final action taken.

4.2.b. Accessibility of Records. Local Sponsor, in compliance with 2 CFR 200.337 and 44 Ill. Admin. Code 7000.430(e), shall make books, records, related papers, supporting documentation and personnel relevant to this Agreement available to authorized Grantor representatives, the Illinois Auditor General, Illinois Attorney General, any Executive Inspector General, the Grantor's Inspector General, federal authorities, any person identified in 2 CFR 200.337, SMC, and any other person as may be authorized by Grantor (including auditors), by the state of Illinois or by federal statute. Local Sponsor shall cooperate fully in any such audit or inquiry.

4.2.c. Failure to Maintain Books and Records. Failure to maintain books, records and supporting documentation, as described in this Section 4.2, shall establish a presumption in favor of the State and SMC for the recovery of any funds paid or contributed by the State or SMC under this Agreement for which adequate books, records and supporting documentation are not available to support disbursement.

4.3 Subcontracts/Sub-Grants.

4.3.a. Local Sponsor/Delegation. Local Sponsor may not delegate any of its duties under this Agreement without Prior Approval of SMC and, if necessary, Grantor. Local Sponsor must obtain and provide to SMC a Unique Entity Identifier (UEI) prior to receiving a subaward (2 CFR 25.300).

4.3.b. Application of Terms. Local Sponsor shall advise any subcontractor or subgrantee of any requirements imposed on them by federal and state laws and regulations, and the provisions of the DCEO-SMC Grant Agreement, attached as Exhibit 6. In all agreements between Local Sponsor and subcontractors or subgrantees, SMC requires that all Local Sponsors adhere to the terms of the DCEO-SMC Grant Agreement.

4.3.c. Domestic Preference for Procurements. In accordance with the DCEO-SMC Grant Agreement and with 2 CFR 200.322, as appropriate and to the extent otherwise consistent with law, the Local Sponsor should, to the greatest extent practicable under this Award, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The requirements of this paragraph must be included in all subawards and in all contracts and purchase orders for work or products under this Agreement and the DCEO Award.

4.3.d. Anti-Discrimination. Local Sponsor certifies that its employees and subcontractors under subcontract made pursuant to this Agreement, must comply with all applicable provisions of State and federal laws and regulations pertaining to nondiscrimination, sexual harassment and equal employment opportunity including, but not limited to: Illinois Human Rights Act (775 ILCS 5/1-101 et seq.), including, without limitation, 44 Ill. Admin. Code 750- Appendix A, which is incorporated herein; Public Works Employment Discrimination Act (775 ILCS 10/1 et seq.); Civil Rights Act of 1964 (as amended) (42 USC 2000a - 2000h-6); Section 504 of the Rehabilitation Act of 1973 (29 USC 794); Americans with Disabilities Act of 1990 (as amended) (42 USC 12101 et seq.); and the Age Discrimination Act of 1975 (42 USC 6101 et seq.).

4.3.e. Formal agreements. Formal agreements with independent contractors, such as consultants, must include a description of the services to be performed, the period of performance, the fee and method of payment, an itemization of travel and other costs which are chargeable to the agreement, and the signatures of both the contractor and an appropriate official of the Local Sponsor.

4.4 Additional Monitoring Provisions

4.4.a. Access to Documentation. The Grant Contribution will be monitored for compliance in accordance with the terms and conditions of this Agreement and the DCEO-SMC Grant Agreement, together with appropriate programmatic rules, regulations, and/or guidelines that SMC or the Grantor promulgates or implements. The Local Sponsor must permit any agent authorized by the Grantor or SMC, upon presentation of credentials, in accordance with all methods available by law, full access to and the right to examine any document, papers and records either in hard copy or electronic format, of the Local Sponsor involving transactions relating to this Award.

4.4.b. Cooperation with Audits and Inquiries, Confidentiality. Pursuant to Section 4.2, above, the Local Sponsor is obligated to cooperate with SMC and the Grantor and other legal authorities in any audit or inquiry related to the Grant Contribution. The Grantor or any other governmental authority conducting an audit or inquiry may require the Local Sponsor to keep confidential any audit or inquiry and to limit internal disclosure of the audit or inquiry to those Local Sponsor personnel who are necessary to support the Local Sponsor's response to the audit or inquiry. This confidentiality requirement shall not limit Local Sponsor's right to discuss an audit or inquiry with its legal counsel. If a third party seeks to require the Local Sponsor, pursuant to any law, regulation, or legal process, to disclose an audit or inquiry that has been deemed confidential by the Grantor or other governmental authority, the Local Sponsor shall promptly notify the entity that is conducting the audit or inquiry of such effort so that the entity that is conducting the audit or inquiry may seek a protective order, take other appropriate action, or waive compliance by the Local Sponsor with the confidentiality requirement.

4.5 Applicable Statutes

4.5.a. Land Trust Beneficial Interest Disclosure Act (765 ILCS 405/2.1). No Grant Funds will be paid to any trustee of a land trust, or any beneficiary or beneficiaries of a land trust, for any purpose relating to the land, which is the subject of such trust, any interest in such land, improvements to such land or use of such land unless an affidavit is first filed with DCEO identifying each beneficiary of the land trust by name and address and defining such interest therein. This affidavit must be filed with the Illinois Office of the Comptroller as an attachment to the DCEO-SMC Grant Agreement (Exhibit 6).

4.5.b. Historic Preservation Act (20 ILCS 3420/1 et seq.). The Local Sponsor will not expend Grant Funds under this Agreement which result in the destruction, alteration, renovation, transfer or sale, or utilization of a historic property, structure or structures, or in the introduction of visual, audible or atmospheric elements to a historic property, structure or structures, which will result in the change in the character or use of any historic property, except as approved by the Illinois Department of Natural Resources, Historic Preservation Division. The Grantee must not expend Grant Funds under this Agreement for any project, activity, or program that can result in changes in the character or use of historic property, if any historic property is located in the area of potential effects without the approval of the Illinois Department of Natural Resources, Historic Preservation Division. 20 ILCS 3420/3(f).

4.5.c. Steel Products Procurement Act (30 ILCS 565/1 et seq.). The Local Sponsor, if applicable, hereby certifies that any steel products used or supplied in accordance with this Award for a public works project shall be manufactured or produced in the United States per the requirements of the Steel Products Procurement Act (30 ILCS 565/1 et seq.).

ARTICLE V

PROCUREMENT REQUIREMENTS AND CERTIFICATION

5.1 Application of Terms. The Local Sponsor agrees to comply with applicable federal and state laws and regulations and terms and conditions of the DCEO-SMC Grant Agreement and all license requirements or professional certification provisions. Local Sponsor shall also advise sub-contractors of the requirement to comply with such. By signing this Agreement, Local Sponsor acknowledges receipt of a copy of the DCEO-SMC Grant Agreement.

5.2 Additional Terms and Conditions. Local Sponsor understands and agrees that its failure to comply with the requirements of DCEO Terms and Conditions set forth in Article IV above and in the DCEO-SMC Grant Agreement (Exhibit 6) may impact reimbursement for the PROJECTS. If Local Sponsor's failure to comply with DCEO-SMC Grant Agreement Terms and Conditions decreases available funding, the Local Sponsor will not be reimbursed for ineligible PROJECT costs from SMC and may be required to reimburse ineligible costs to SMC or Grantor.

5.3 Business Enterprise Program. DCEO requires that a Business Enterprise Program Utilization Plan be completed for the PROJECTS prior to reimbursement of State (DCEO) funds. Local Sponsor shall provide the information required on the Utilization Plan template. The template form will be provided by SMC. DCEO must approve the Utilization Plan prior to any reimbursement request from Local Sponsor.

5.4 Prevailing Wage Act Compliance. The work to be performed under this Agreement is subject to the Prevailing Wage Act (820 ILCS 130/0.01 et seq.). Local Sponsor shall comply with all requirements of the Prevailing Wage Act, including but not limited to: (a) inserting into all contracts for construction a stipulation to the effect that not less than the prevailing rate of wages as applicable to the PROJECTS shall be paid to all laborers, workers, and mechanics performing work under the Award and requiring all bonds of contractors to include a provision as will guarantee the faithful performance of such prevailing wage clause as provided by contract and (b) all required reporting and documentation.

5.5 Certification of Invoices and Reports. Each invoice and report submitted by Local Sponsor must contain the following certification by an official authorized to legally bind the Local Sponsor:

By signing this report [or payment request or both], I certify to the best of my knowledge and belief that the report [or payment request] is true, complete, and accurate; that the expenditures, disbursements and cash receipts are for the purposes and objectives set forth in the terms and conditions of the State or federal pass-through award; and that supporting documentation has been submitted as required by the grant agreement. I acknowledge that approval for any other expenditure described herein shall be considered conditional subject to further review and verification in accordance with the monitoring and records retention provisions of the grant agreement. I am aware that any false, fictitious, or fraudulent information, or the omission of any material fact, may subject me to criminal, civil or administrative penalties for fraud, false statements, false claims or otherwise. (U.S. Code Title 18, Section 1001 and Title 31, Sections 3729-3730 and 3801-3812; 30 ILCS 708/120).

5.6 Certification of Agreement Terms. By signing below, Local Sponsor certifies that (1) all representations made in this Agreement are true and correct and (2) all Grant Contributions received pursuant to this Agreement shall be used only for the purpose(s) described herein and in accordance with the terms of this Agreement and the DCEO-SMC Grant Agreement. Local Sponsor acknowledges that the Grant Contribution provided is made solely upon this certification and that any false statements, misrepresentations, or material omissions shall be the basis for immediate termination of this Agreement and repayment of all Grant Contribution funds received.

ARTICLE VI TERM; COMPENSATION; TERMINATION

6.1 Term of Agreement. Pursuant to the DCEO-SMC Grant Agreement and the Terms and Conditions herein, this Agreement begins on November 1, 2024 and extends through October 31, 2026; however, extensions up to one year can be requested subject to DCEO and SMC approval. Extensions must be requested from SMC at least 90-days prior to the termination of this Agreement. Project expenses cannot be submitted for reimbursement from SMC or DCEO which are incurred after the grant agreement completion date. Notwithstanding this section, the PEM payment deadline specified in Section 1.4 is not eligible for extension.

6.2 Availability of Grant Appropriation. Funding for the PROJECTS is contingent upon execution of the funding award by DCEO and SMC. Pursuant to the DCEO-SMC Grant Agreement and the Terms and Conditions herein, DCEO funding shall reimburse eligible PROJECT Expenses incurred by either the Local Sponsor or SMC, up to a cumulative NOT TO EXCEED value of \$5,500,000.00 for the PROJECTS. PROJECT expenses that exceed a cumulative total of \$5,500,000.00 are not reimbursable and shall be paid by the Local Sponsor.

6.3 Completion of PROJECT Activities. The Parties shall conduct the PROJECT Activities or provide the services as described in the Exhibits and Attachments, including Exhibit 3 (Scope of Work Tasks) and Exhibit 4 (Project Expenses) and within the time period outlined in Exhibit 5 (Project Schedule), incorporated herein and in accordance with all terms and conditions set forth herein and all applicable administrative rules.

6.4 PROJECT Payments. PROJECT payments for the successful completion of PROJECT Activities, shall be paid for pursuant to applicable policies and statutes. The Local Sponsor shall be responsible for making payments to its contractor(s) and shall apply for reimbursement for eligible project expenses to the SMC.

6.5 PROJECT Payment Reimbursement. Reimbursement for project payments is subject to the PROJECTS', Local Sponsor's, Contractor's and Subcontractor's, and SMC's adherence to this Agreement and DCEO-SMC Grant Agreement Terms and Conditions set forth in Articles IV and V and Exhibits 6 and 7 of this Agreement. Reimbursement requests shall be submitted with the monthly Performance and Financial report by the 7th day of the following month throughout the Agreement period, or as otherwise specified by SMC as allowed by DCEO. In all circumstances, PROJECT contractual obligations shall not be executed after May 31, 2026, and the PROJECTS shall be fully paid out by November 15, 2026, or as, in its sole discretion, such dates may be extended by DCEO. Failure of Local Sponsor to timely submit a payment request will render the amounts billed unallowable cost which SMC cannot reimburse.

6.6 Termination of Agreement.

6.6.a. This Agreement may be terminated, in whole or in part, by either party for any or no reason upon thirty (30) calendar days' written notice to the other Party. If terminated by Local Sponsor, Local Sponsor must include the reasons for such termination, the effective date, and, in the case of partial termination, the portion to be terminated. If SMC determines in the case of partial termination that the reduced or modified portion of the Grant Contribution will not accomplish the purposes for which the grant was made, SMC may terminate the Agreement in its entirety.

6.6.b. This Agreement may be terminated, in whole or in part, by SMC without notice, pursuant to: (1) funding failure from DCEO; (2) Local Sponsor's failure to comply with terms and conditions of this Agreement or Local Sponsor has made a false representation in connection with receipt of compensation; (3) Local Sponsor's breach of this Agreement and failure to cure such breach, or commence cure of the breach, within 15 days of written notice thereof.

6.6.c. The termination of the Agreement in part shall not eliminate the amount of PEM costs Local Sponsor shall pay to SMC. In the event of termination of the Agreement in whole, PEM costs will be reduced to an amount sufficient to compensate SMC for any time spent administering the PROJECTS prior to termination as determined by SMC, which amount Local Sponsor acknowledges and agrees may be the entire amount of the projected PEM.

ARTICLE VII
INDEMNIFICATION

7.1 Independent Contractor. Local Sponsor is an independent contractor under this Agreement and neither Local Sponsor nor any employee or agent of Local Sponsor is an employee of DCEO or SMC and do not acquire any employment rights with DCEO or SMC or the state of Illinois by virtue of this Agreement or receipt of DCEO Grant funds. Local Sponsor will provide the agreed services and achieve the specified results free from direction or control by SMC as to the means and methods of performance. Local Sponsor and any subcontractors will be required to provide their own equipment and supplies necessary to conduct their business; provided, however, that in the event, for its convenience or otherwise, SMC makes any such equipment available to Local Sponsor, Local Sponsor's use of such equipment or supplies provided by SMC pursuant to this Agreement shall be strictly limited to official SMC or state of Illinois business and not for any other purpose, including benefit or gain.

7.2 Indemnification. To the extent permitted by law, Local Sponsor agrees to hold harmless SMC against any and all liability, loss, damage, cost or expenses, including attorney's fees, arising from intentional torts, negligence or breach of contract of Local Sponsor relating to the PROJECTS or this Agreement, with the exception of acts performed in accordance with an explicit, written directive of SMC.

ARTICLE VIII
NOTICES

All notices required or permitted hereunder shall be in writing, and delivered either personally or by certified or registered mail, return receipt requested, to the following addresses or sent by electronic mail ("e-mail") to the following contact addresses:

If to Local Sponsor contact:

Kyle Johnson, Assistant Public Works Director/Village Engineer
Village of Buffalo Grove
51 Raupp Boulevard
Buffalo Grove, IL 60089
Phone: 847-459-2545
Email: KJohnson@vbg.org

If to SMC contact:

Michael Prusila, Planning Supervisor
Lake County Stormwater Management Commission
500 W. Winchester Road
Libertyville, IL 60048
Phone: 847-377-7700
Email: mprusila@lakecountyil.gov

ARTICLE IX MISCELLANEOUS

9.1 Exhibits and Attachments. Exhibits 1 through 7 referenced herein and attached hereto are incorporated herein in their entirety.

9.2 Publicity and Notification. Funds from this Agreement shall not be used for promotions, advertising or publicity purposes. Any press releases, printed notices, publications and the like shall include the following language: "Funding provided in whole or in part by the Illinois Department of Commerce and Economic Opportunity and the Lake County Stormwater Management Commission." Local Sponsor will notify SMC at least twenty-one (21) days prior to issuing any public notice or press release concerning the PROJECTS or work performed under this Agreement.

9.3 Assignment Prohibited. Local Sponsor acknowledges that this Agreement may not be sold, assigned, or transferred in any manner by Local Sponsor, to include an assignment of Local Sponsor's rights to receive payment hereunder, and that any actual or attempted sale, assignment, or transfer by Local Sponsor without the prior approval of SMC in writing shall render this Agreement null, void and of no further effect.

9.4 Amendments. This Agreement may be modified or amended during its Term by mutual consent of the Parties, expressed in writing and signed by the Parties, provided the amendments comply with the DCEO-SMC Grant Agreement (Exhibit 6).

9.5 Severability. If any provision of the Agreement is declared invalid, its other provisions shall not be affected thereby.

9.6 Applicable Law; Claims. This Agreement and all subsequent amendments thereto, if any, shall be governed and construed in accordance with the laws of the state of Illinois. Any claim against SMC arising out of this Agreement must be filed exclusively with the Nineteenth Judicial Circuit Court of Illinois.

9.7 Headings. Article and other headings contained in this Agreement are for reference purposes only and are not intended to define or limit the scope, extent or intent of this Agreement or any provision hereof.

9.8 Entire Agreement. SMC and Local Sponsor acknowledge that this Agreement, including its Exhibits and Attachments, constitutes the entire agreement between them and that no promises, terms, or conditions not recited, incorporated or referenced herein, including prior agreements or oral discussions, shall be binding upon either SMC or Local Sponsor.

9.9 Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be considered to be one and the same agreement, binding on all Parties hereto, notwithstanding that all Parties are not signatories to the same counterpart. Duplicated signatures, signatures transmitted via facsimile, or signatures contained in a Portable Document Format (PDF) document shall be deemed original for all purposes.

IN WITNESS WHEREOF, the Stormwater Management Commission and the Village of Buffalo Grove have caused this Agreement to be executed by their duly authorized representatives.

VILLAGE OF BUFFALO GROVE:

Eric N. Smith, President
Village of Buffalo Grove

Date

STORMWATER MANAGEMENT COMMISSION:

Kurt Woolford, Executive Director
Lake County Stormwater Management Commission

Date

Exhibit 1
Site Location Map

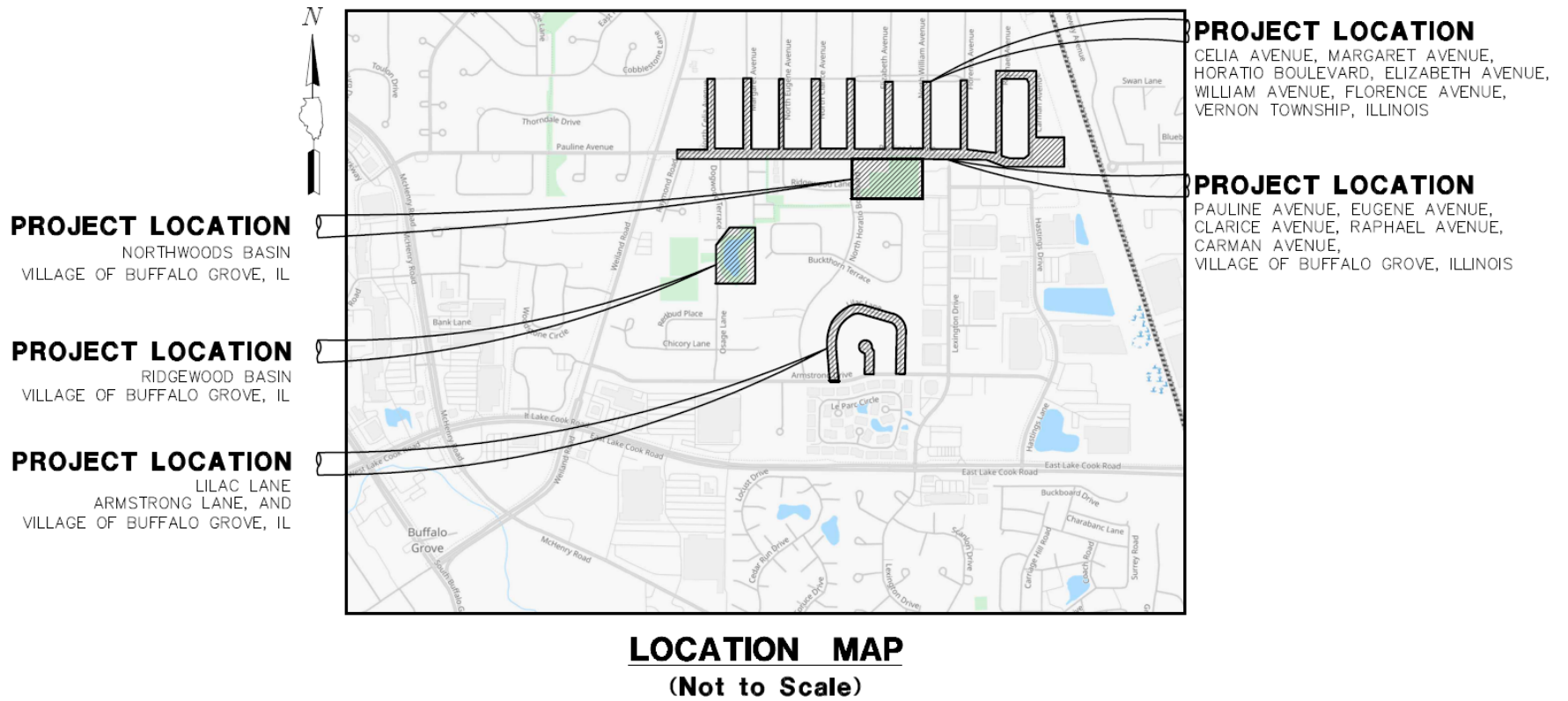
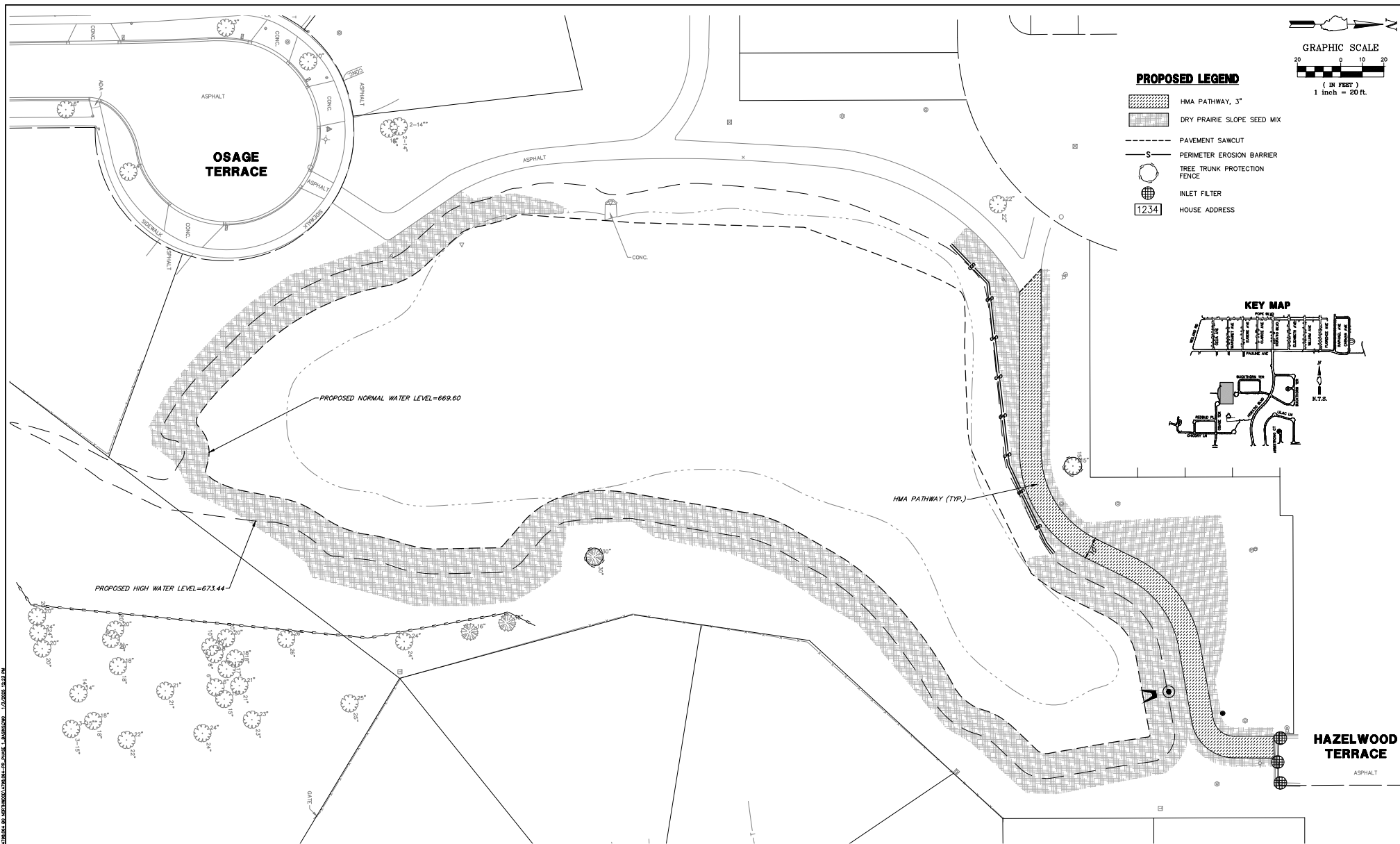


Exhibit 2
Project Plan



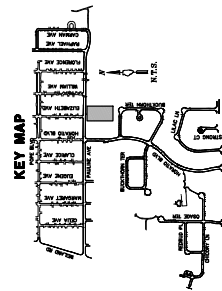
GHA GEWALT HAMILTON ASSOCIATES, INC.
 625 Forest Edge Drive ■ Vernon Hills, IL 60061
 TEL 847.478.9700 ■ FAX 847.478.9701

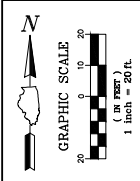
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RIDGEWOOD BASIN - PROPOSED SITE PLAN
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

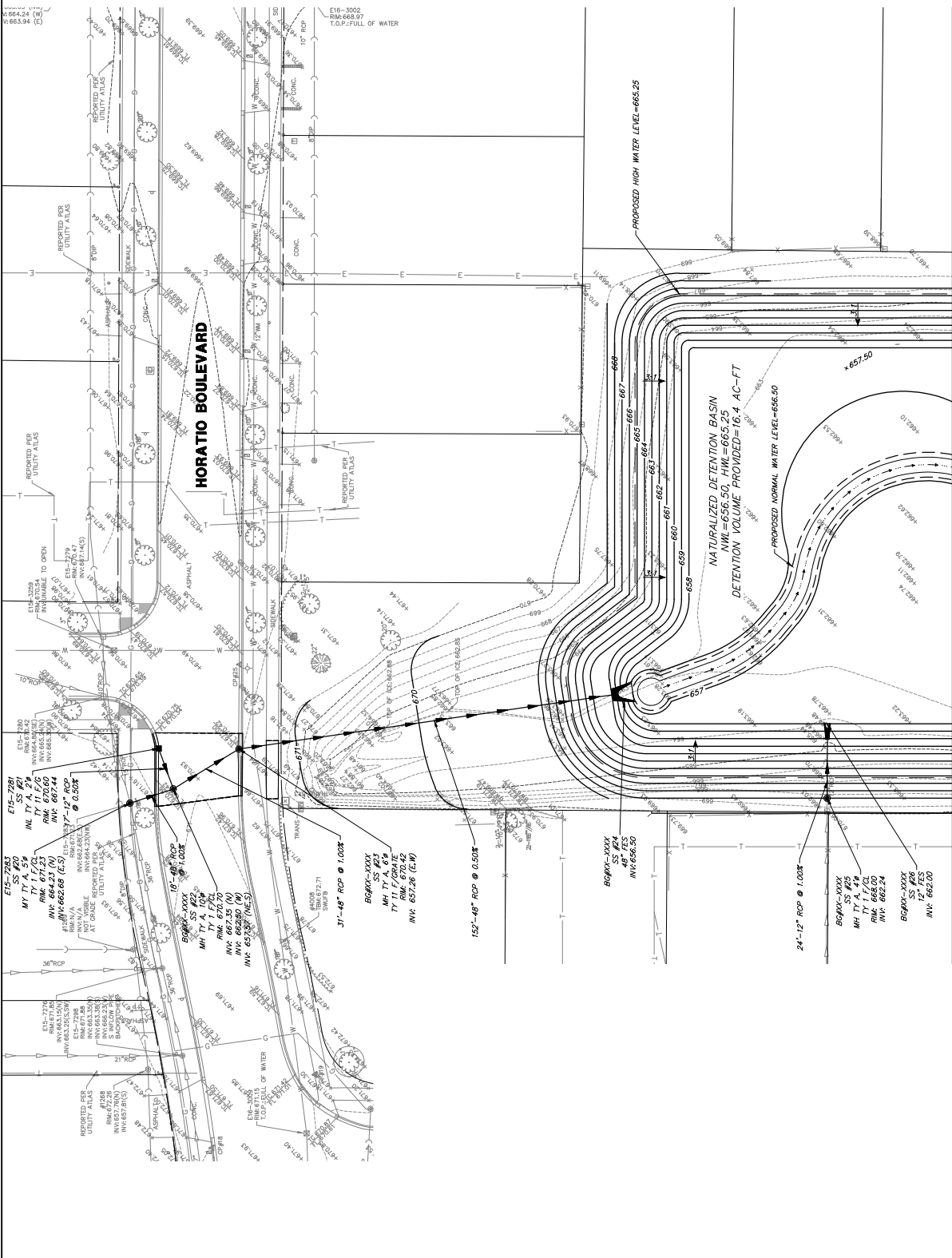
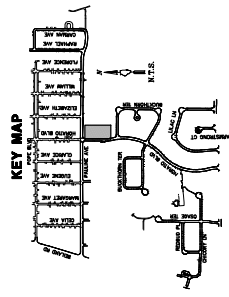
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1	DPS	01-03-25	ADDENDUM 01				

FILE: 4798.064-PR_Phase 1_Basins.dwg	SHEET NUMBER
DRAWN BY: BRS DATE: 12-19-24	CHA PROJECT # 4798.064
CHECKED BY: POL DATE: 12-19-24	SCALE 1" = 20'
	12 OF 54 SHEETS





- GRADING & UTILITY LEGEND**
- STORM SEWER
 - STORM MANHOLE
 - STORM CATCHBASIN
 - STORM INLET
 - TOP OF CURB
 - TOP OF C&G
 - PROPOSED SPOT ELEVATION
 - CONTOUR
 - SUMMIT
 - SLOPES



MATCHLINE (SEE SHEET 18)

NORTHWOOD BASIN - GRADING & UTILITY PLAN (WEST)

2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

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GEVAULT HAMILTON ASSOCIATES, INC.
625 Forest Edge Drive ■ Vernon Hills, IL 60061
Tel 847.478.9700 ■ Fax 847.478.9701

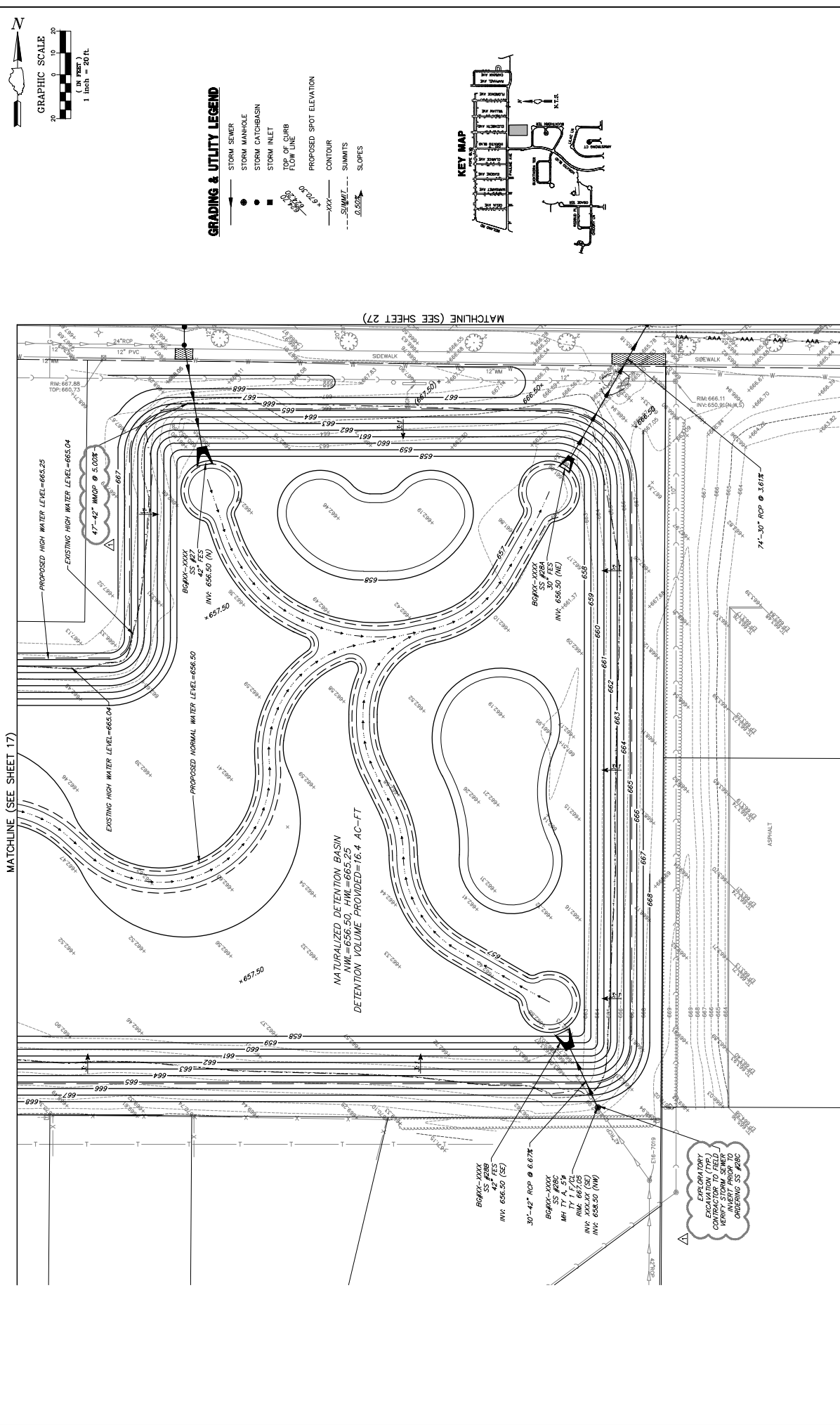
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REVISION	OF 54 SHEETS

NO.	BY	DATE	REASON
1	DP	03-03-25	ADDENDUM 01

NO.	BY	DATE	REASON
1	DP	03-03-25	ADDENDUM 01

NO.	BY	DATE	REASON
1	DP	03-03-25	ADDENDUM 01

NO.	BY	DATE	REASON
1	DP	03-03-25	ADDENDUM 01



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NORTHWOOD BASIN - GRADING & UTILITY PLAN (EAST)
 2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
 VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
 LAKE COUNTY, ILLINOIS

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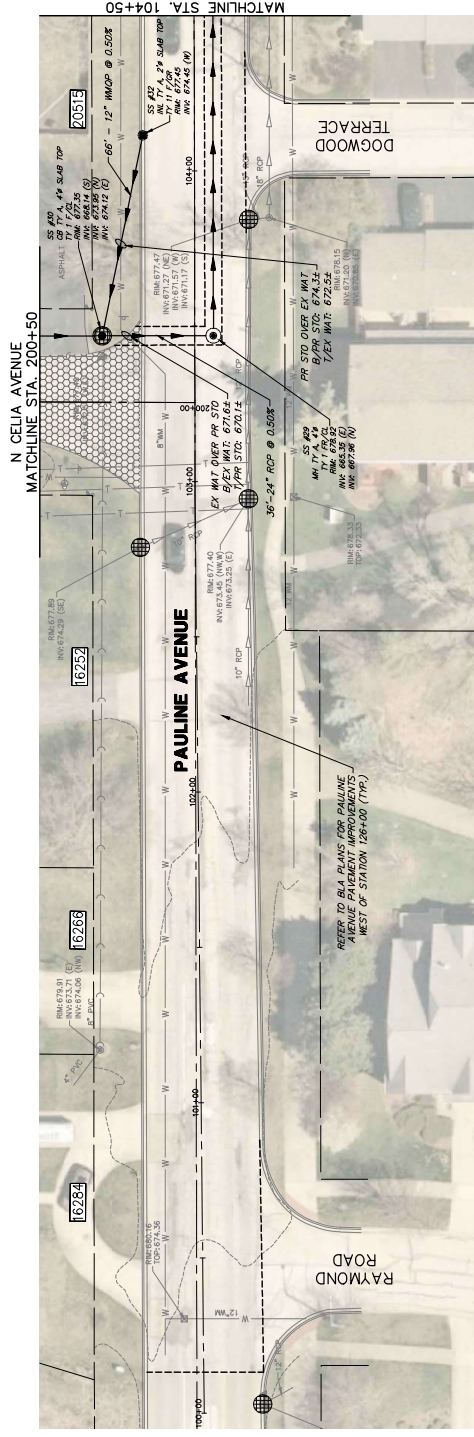
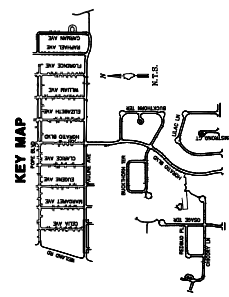
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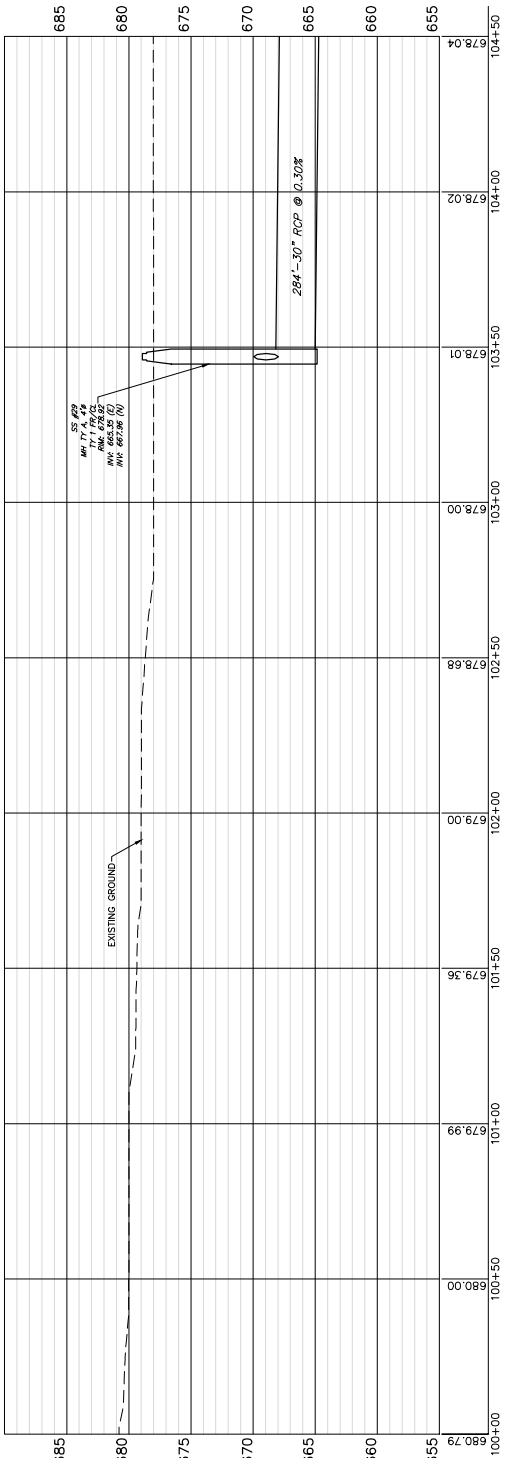


GRAPHIC SCALE
20'
10'
0'
1" = 20 ft. V. 1" = 5 ft.

- PROPOSED LEGEND**
- RECONSTRUCTION
 - HMA PATHWAY
 - PCB SIDEWALK
 - 8412 CURB & GUTTER (REGULAR)
 - 8412 CURB & GUTTER (REVERSE PITCH)
 - 8412 CURB & GUTTER (REGULAR)
 - 8412 CURB & GUTTER (DEPRESSED)
 - PAVEMENT SAWCUT
 - WATER MAIN
 - VALVE VAULT
 - STORM SEWER
 - STORM MANHOLE
 - STORM CATCHBASIN
 - STORM INLET
 - TOP OF CURB
 - FLOW LINE
 - PROPOSED SPOT ELEVATION
 - CONTOUR
 - SUMMIT
 - SLOPES
 - TREE TRUNK PROTECTION FENCE
 - INLET FILTER
 - HOUSE ADDRESS



PAULINE AVENUE



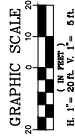
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PLAN AND PROFILE (STA. 100+00 TO 104+50)
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

NO.	BY	DATE	REASON	NO.	BY	DATE	REASON
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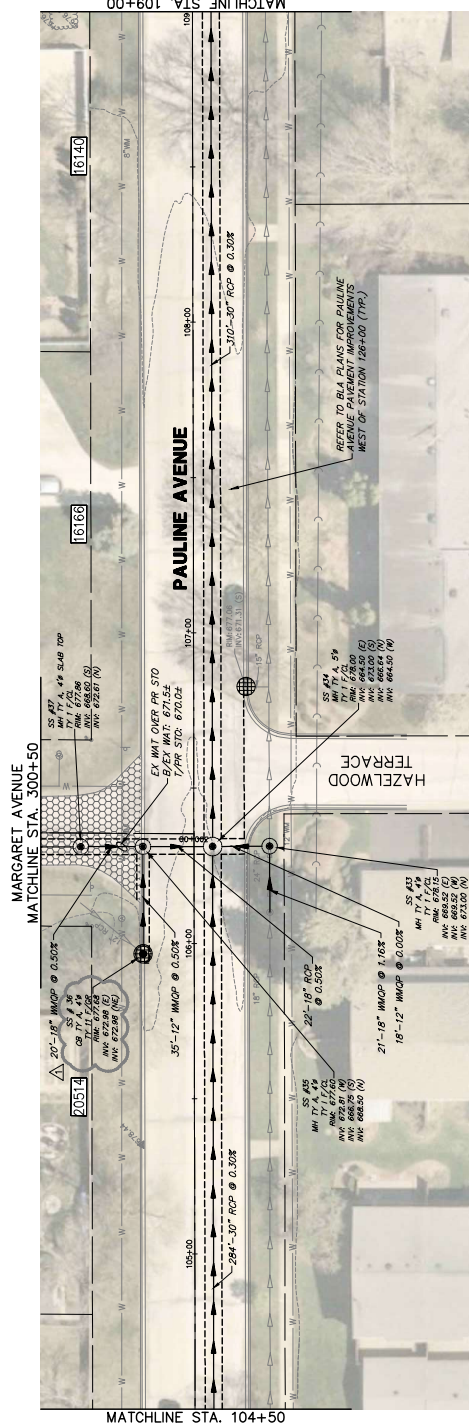
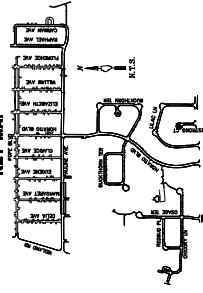
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12-19-24	7/98.054	7/98.054	1" = 20' H, 1" = 5' V	24 OF 54 SHEETS

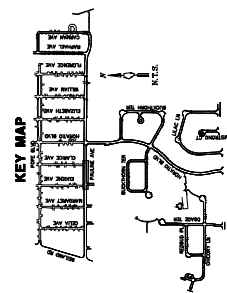
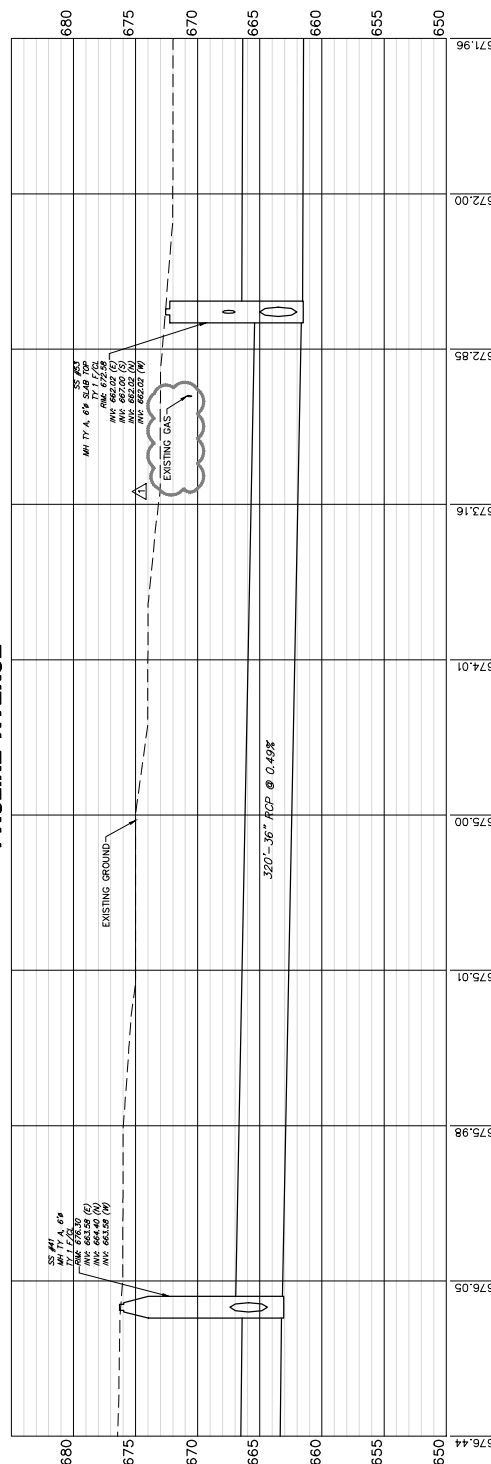
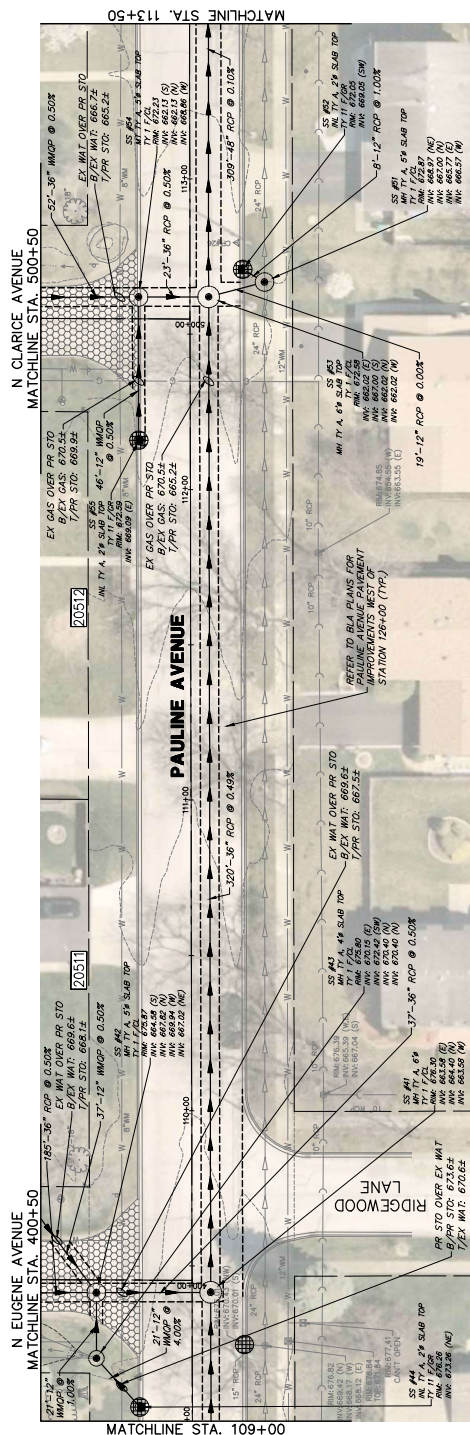
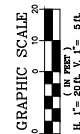


PROPOSED LEGEND

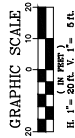
- RECONSTRUCTION
- HMA PATHWAY
- PCB SIDEWALK
- B612 CURB & GUTTER (REGULAR)
- B612 CURB & GUTTER (REVERSE PITCH)
- B412 CURB & GUTTER (REGULAR)
- B412 CURB & GUTTER (DEPRESSED)
- PAVEMENT SAWCUT
- WATER MAIN
- VALVE VAULT
- STORM SEWER
- STORM MANHOLE
- STORM CATCHBASIN
- STORM INLET
- TOP OF CURB
- FLOW LINE
- PROPOSED SPOT ELEVATION
- CONTOUR
- SUMMIT
- SLOPES
- TREE TRUNK PROTECTION FENCE
- INLET FILTER
- HOUSE ADDRESS

KEY MAP





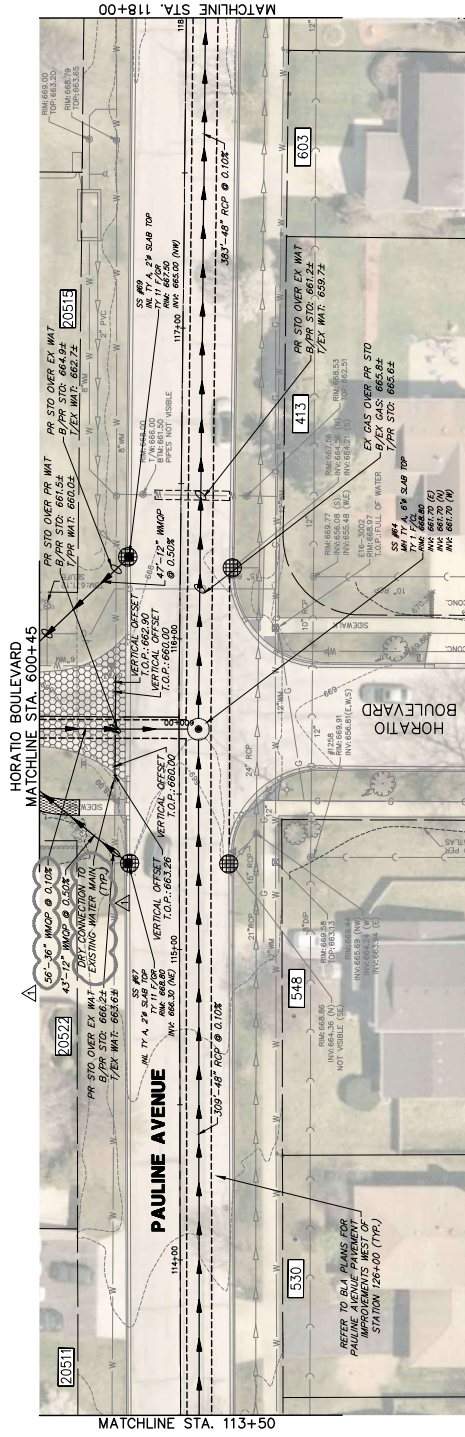
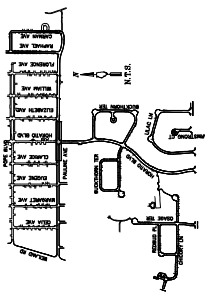
109F+00	109F+30	109F+60	109F+90	110F+00	110F+30	110F+60	110F+90	111F+00	111F+30	111F+60	111F+90	112F+00	112F+30	112F+60	112F+90	113F+00	113F+30	113F+60	113F+90	114F+00	114F+30	114F+60	114F+90	115F+00	115F+30	115F+60	115F+90	116F+00	116F+30	116F+60	116F+90	117F+00	117F+30	117F+60	117F+90	118F+00	118F+30	118F+60	118F+90	119F+00	119F+30	119F+60	119F+90	120F+00	120F+30	120F+60	120F+90	121F+00	121F+30	121F+60	121F+90	122F+00	122F+30	122F+60	122F+90	123F+00	123F+30	123F+60	123F+90	124F+00	124F+30	124F+60	124F+90	125F+00	125F+30	125F+60	125F+90	126F+00	126F+30	126F+60	126F+90	127F+00	127F+30	127F+60	127F+90	128F+00	128F+30	128F+60	128F+90	129F+00	129F+30	129F+60	129F+90	130F+00	130F+30	130F+60	130F+90	131F+00	131F+30	131F+60	131F+90	132F+00	132F+30	132F+60	132F+90	133F+00	133F+30	133F+60	133F+90	134F+00	134F+30	134F+60	134F+90	135F+00	135F+30	135F+60	135F+90	136F+00	136F+30	136F+60	136F+90	137F+00	137F+30	137F+60	137F+90	138F+00	138F+30	138F+60	138F+90	139F+00	139F+30	139F+60	139F+90	140F+00	140F+30	140F+60	140F+90	141F+00	141F+30	141F+60	141F+90	142F+00	142F+30	142F+60	142F+90	143F+00	143F+30	143F+60	143F+90	144F+00	144F+30	144F+60	144F+90	145F+00	145F+30	145F+60	145F+90	146F+00	146F+30	146F+60	146F+90	147F+00	147F+30	147F+60	147F+90	148F+00	148F+30	148F+60	148F+90	149F+00	149F+30	149F+60	149F+90	150F+00	150F+30	150F+60	150F+90	151F+00	151F+30	151F+60	151F+90	152F+00	152F+30	152F+60	152F+90	153F+00	153F+30	153F+60	153F+90	154F+00	154F+30	154F+60	154F+90	155F+00	155F+30	155F+60	155F+90	156F+00	156F+30	156F+60	156F+90	157F+00	157F+30	157F+60	157F+90	158F+00	158F+30	158F+60	158F+90	159F+00	159F+30	159F+60	159F+90	160F+00	160F+30	160F+60	160F+90	161F+00	161F+30	161F+60	161F+90	162F+00	162F+30	162F+60	162F+90	163F+00	163F+30	163F+60	163F+90	164F+00	164F+30	164F+60	164F+90	165F+00	165F+30	165F+60	165F+90	166F+00	166F+30	166F+60	166F+90	167F+00	167F+30	167F+60	167F+90	168F+00	168F+30	168F+60	168F+90	169F+00	169F+30	169F+60	169F+90	170F+00	170F+30	170F+60	170F+90	171F+00	171F+30	171F+60	171F+90	172F+00	172F+30	172F+60	172F+90	173F+00	173F+30	173F+60	173F+90	174F+00	174F+30	174F+60	174F+90	175F+00	175F+30	175F+60	175F+90	176F+00	176F+30	176F+60	176F+90	177F+00	177F+30	177F+60	177F+90	178F+00	178F+30	178F+60	178F+90	179F+00	179F+30	179F+60	179F+90	180F+00	180F+30	180F+60	180F+90	181F+00	181F+30	181F+60	181F+90	182F+00	182F+30	182F+60	182F+90	183F+00	183F+30	183F+60	183F+90	184F+00	184F+30	184F+60	184F+90	185F+00	185F+30	185F+60	185F+90	186F+00	186F+30	186F+60	186F+90	187F+00	187F+30	187F+60	187F+90	188F+00	188F+30	188F+60	188F+90	189F+00	189F+30	189F+60	189F+90	190F+00	190F+30	190F+60	190F+90	191F+00	191F+30	191F+60	191F+90	192F+00	192F+30	192F+60	192F+90	193F+00	193F+30	193F+60	193F+90	194F+00	194F+30	194F+60	194F+90	195F+00	195F+30	195F+60	195F+90	196F+00	196F+30	196F+60	196F+90	197F+00	197F+30	197F+60	197F+90	198F+00	198F+30	198F+60	198F+90	199F+00	199F+30	199F+60	199F+90	200F+00	200F+30	200F+60	200F+90																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
GHA GEWALT HAMILTON ASSOCIATES, INC.				2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP LAKE COUNTY, ILLINOIS				PLAN AND PROFILE (STA. 109+00 TO 113+50)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															



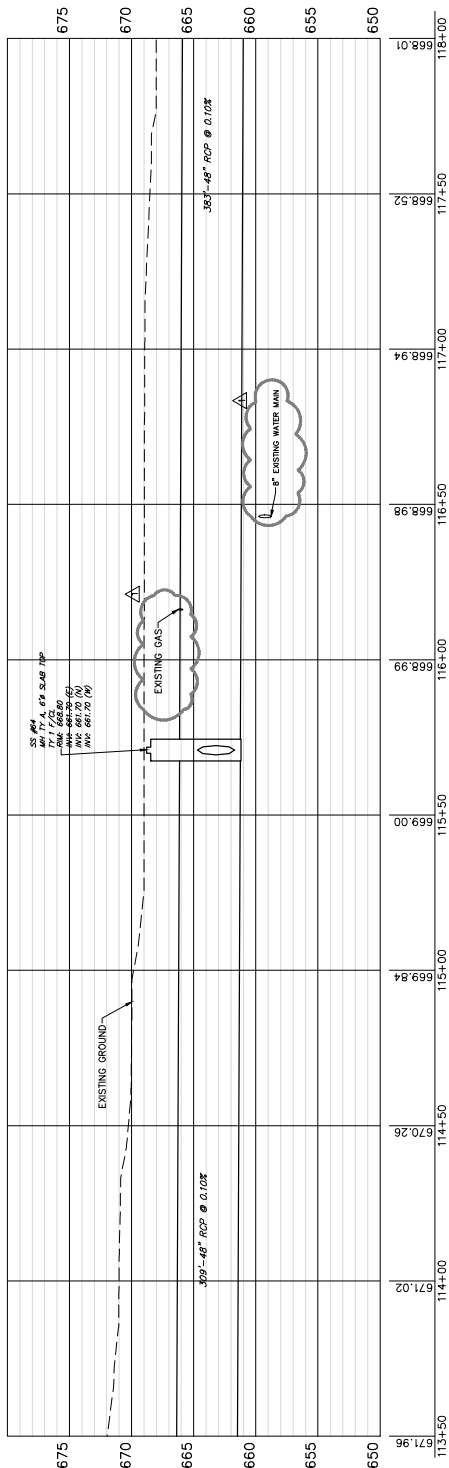
PROPOSED LEGEND

- RECONSTRUCTION
- HMA PATHWAY
- PCB SIDEWALK
- B612 CURB & GUTTER (REGULAR)
- B612 CURB & GUTTER (REVERSE PITCH)
- B612 CURB & GUTTER (REGULAR)
- B612 CURB & GUTTER (DEPRESSED)
- PAVEMENT SAWCUT
- WATER MAIN
- VALVE VAULT
- STORM SEWER
- STORM MANHOLE
- STORM CATCHBASIN
- STORM INLET
- TOP OF CURB
- FLOW LINE
- PROPOSED SPOT ELEVATION
- CONTOUR
- SUMMIT
- SLOPES
- TREE TRUNK PROTECTION FENCE
- INLET FILTER
- HOUSE ADDRESS

KEY MAP



PAULINE AVENUE



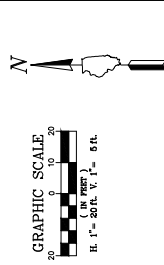
GEHA ASSOCIATES, INC.
625 Forest Edge Drive ■ Vernon Hills, IL 60061
Tel 847.478.9700 ■ Fax 847.478.9701

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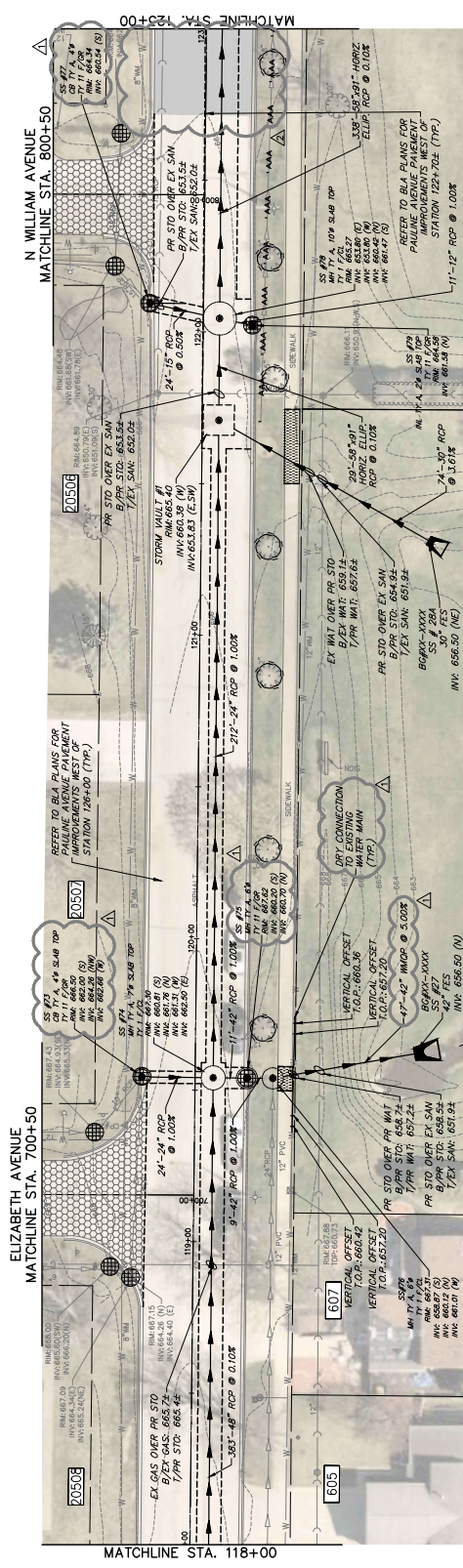
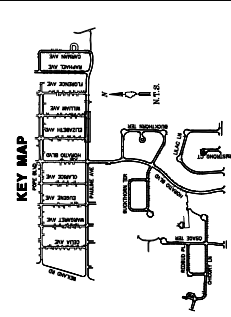
PLAN AND PROFILE (STA. 113+50 TO 118+00)
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

NO.	BY	DATE	REVISION
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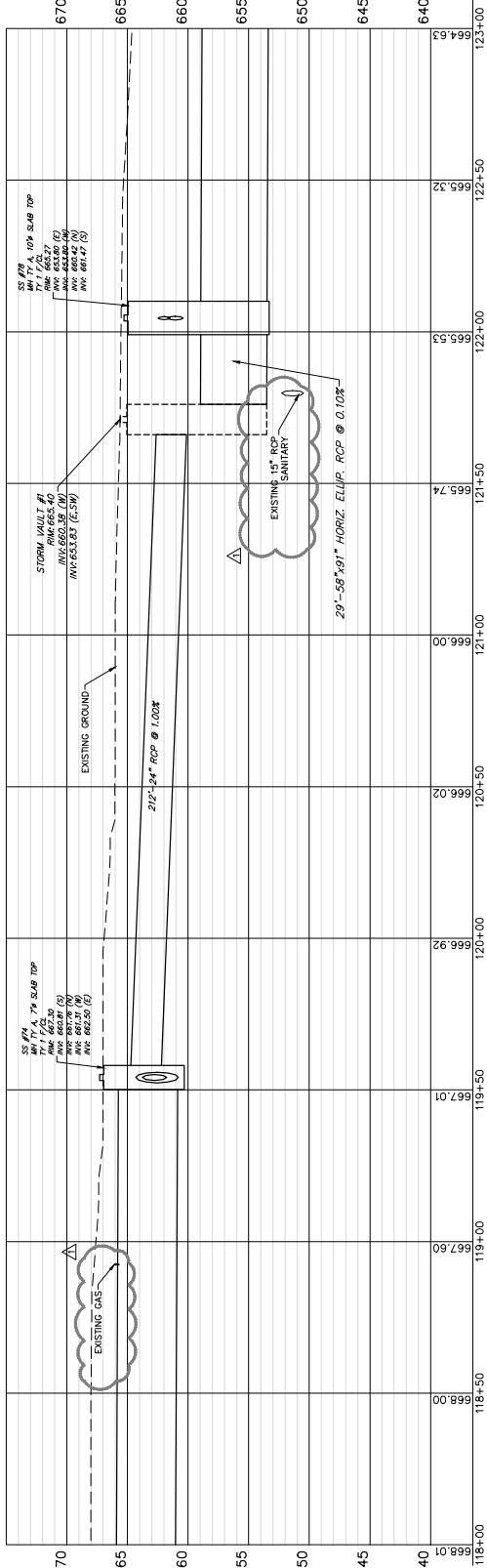
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DRAWN BY: RGS	CHARACTER #
DATE: 12-19-24	27
CHECKED BY: POL	SCALE
DATE: 12-19-24	1" = 20' H x 1" = 5' V
	OF 54 SHEETS



- PROPOSED LEGEND**
- RECONSTRUCTION
 - HMA PATHWAY
 - PCC SIDEWALK
 - 8x12 CURB & GUTTER (REGULAR)
 - 8x12 CURB & GUTTER (REVERSE PITCH)
 - 8x12 CURB & GUTTER (REGULAR)
 - 8x12 CURB & GUTTER (DEPRESSED)
 - PAVEMENT SAWCUT
 - WATER MAIN
 - VALVE VAULT
 - STORM SEWER
 - STORM MANHOLE
 - STORM CATCHBASIN
 - STORM INLET
 - TOP OF CURB
 - FLOW LINE
 - PROPOSED SPOT ELEVATION
 - CONTOUR
 - SUMMIT
 - SLOPES
 - TREE TRUNK PROTECTION FENCE
 - INLET FILTER
 - HOUSE ADDRESS

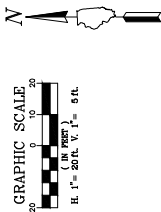


PAULINE AVENUE

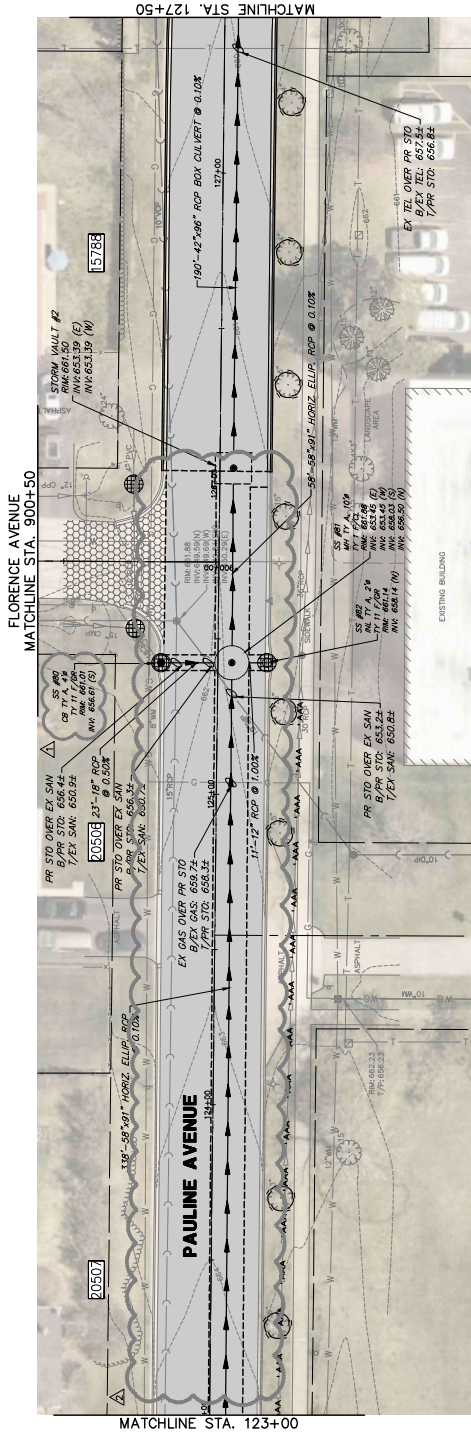
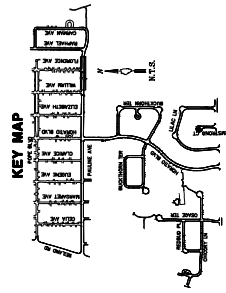


PLAN AND PROFILE (STA. 118+00 TO 123+00)				SHEET NUMBER			
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP LAKE COUNTY, ILLINOIS				28			
DRAWN BY: RRS				CHECKED BY: RRS			
DATE: 12-19-24				DATE: 12-19-24			
SCALE: 1"=20'-0"				SCALE: 1"=20'-0"			
PROJECT: 12-19-24				PROJECT: 12-19-24			
SHEET: 1 OF 54 SHEETS				SHEET: 1 OF 54 SHEETS			

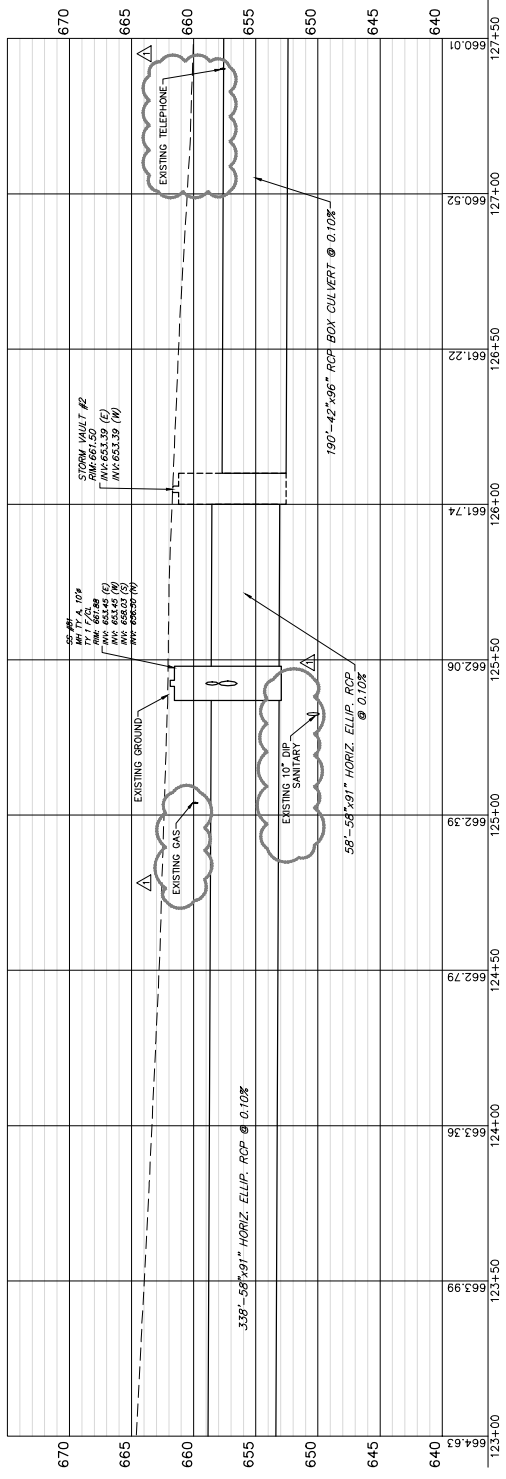
GEWALT HAMILTON ASSOCIATES, INC.
625 Forest Edge Drive • Vernon Hills, IL 60061
Tel 847.478.9700 • Fax 847.478.9701



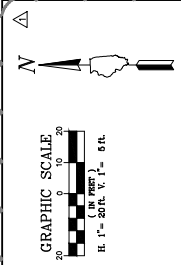
- PROPOSED LEGEND**
- RECONSTRUCTION
 - HMA PATHWAY
 - PCB SIDEWALK
 - 8412 CURB & GUTTER (REGULAR)
 - 8412 CURB & GUTTER (REVERSE PITCH)
 - 8412 CURB & GUTTER (REGULAR)
 - 8412 CURB & GUTTER (DEPRESSED)
 - PAVEMENT SAWCUT
 - WATER MAIN
 - VALVE VAULT
 - STORM SEWER
 - STORM MANHOLE
 - STORM CATCHBASIN
 - STORM INLET
 - TOP OF CURB
 - FLOW LINE
 - PROPOSED SPOT ELEVATION
 - CONTOUR
 - SUMMIT
 - SLOPE
 - TREE TRUNK PROTECTION FENCE
 - INLET FILTER
 - HOUSE ADDRESS



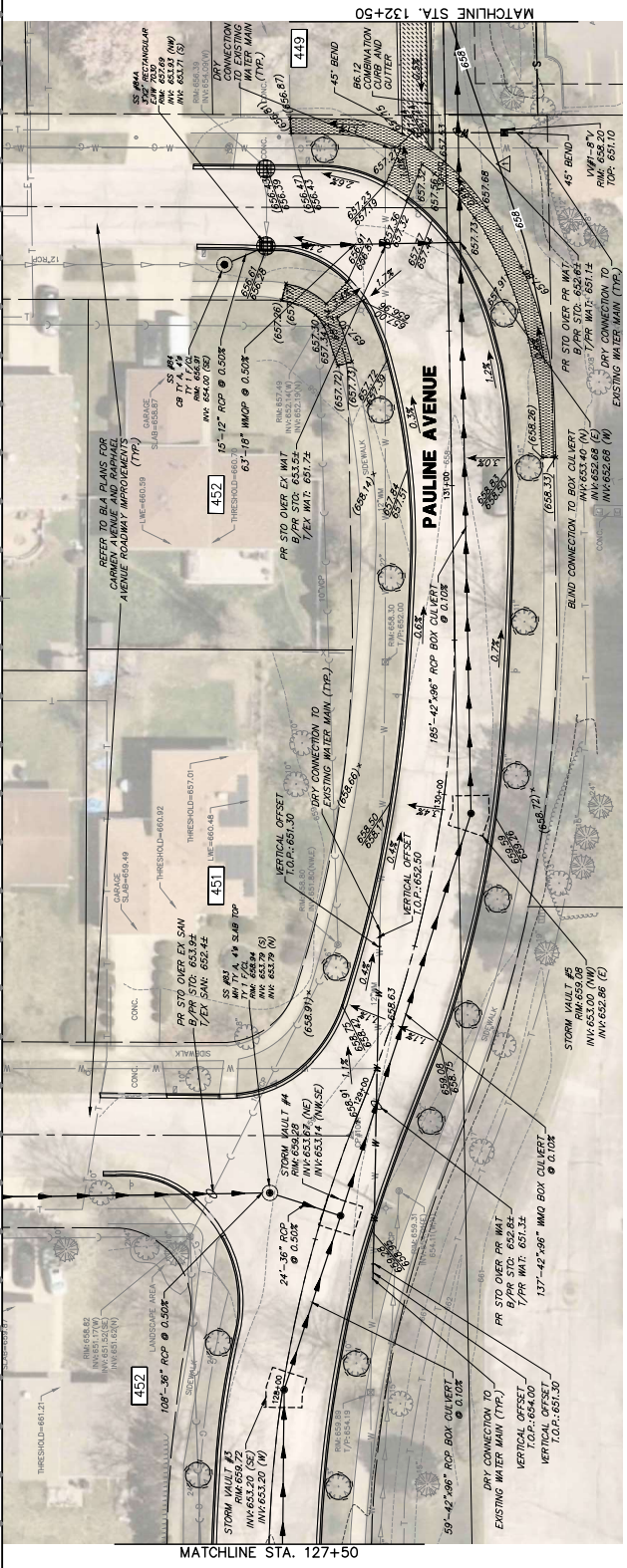
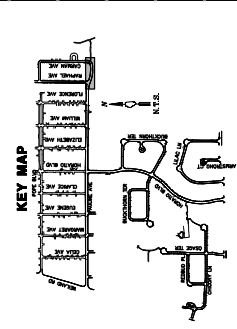
PAULINE AVENUE



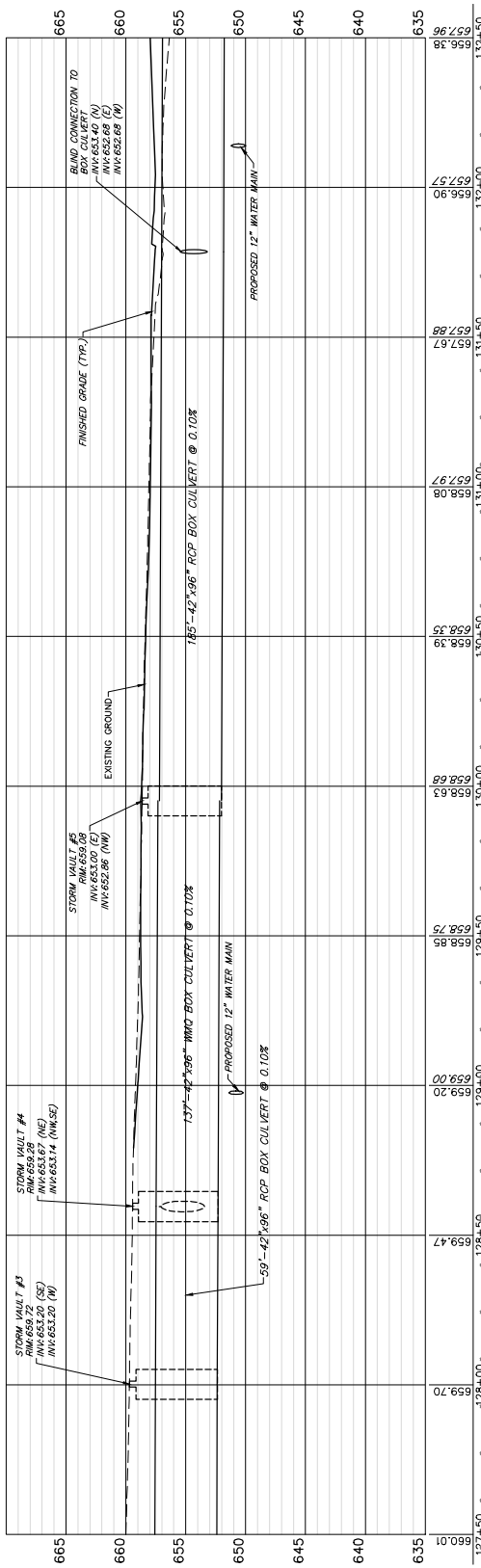
GEHA GEHAUT HAMILTON ASSOCIATES, INC. 625 Forest Edge Drive • Vernon Hills, IL 60061 Tel: 847.478.9700 • Fax 847.478.9701	COPYRIGHT NOTICE This drawing is the property of Geah-Heaton Assoc., Inc. and is not to be used for any purpose other than the project and site for which it was prepared without the written permission of Geah-Heaton Associates, Inc.	PLAN AND PROFILE (STA. 123+00 TO 127+50)										2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP LAKE COUNTY, ILLINOIS										PLAN AND PROFILE (STA. 123+00 TO 127+50)										2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP LAKE COUNTY, ILLINOIS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		COPYRIGHT NOTICE		This drawing is the property of Geah-Heaton Assoc., Inc. and is not to be used for any purpose other than the project and site for which it was prepared without the written permission of Geah-Heaton Associates, Inc.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											



- PROPOSED LEGEND**
- RECONSTRUCTION
 - HMA PATHWAY
 - PCB SIDEWALK
 - 8412 CURB & GUTTER (REGULAR)
 - 8412 CURB & GUTTER (REVERSE PITCH)
 - 8412 CURB & GUTTER (REGULAR)
 - 8412 CURB & GUTTER (COMPRESSED)
 - PAVEMENT SAWCUT
 - WATER MAIN
 - VALVE VAULT
 - STORM SEWER
 - STORM MANHOLE
 - STORM CATCHBASIN
 - STORM INLET
 - TOP OF CURB
 - FLOW LINE
 - PROPOSED SPOT ELEVATION
 - CONTOUR
 - SUMMIT
 - SLOPES
 - TREE TRUNK PROTECTION FENCE
 - INLET FILTER
 - HOUSE ADDRESS



PAULINE AVENUE



PLAN AND PROFILE (STA. 127+50 TO 132+50)

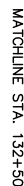
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

CH2M HILL
ASSOCIATES, INC.
625 Forest Edge Drive • Vernon Hills, IL 60061
Tel 847.478.9700 • Fax 847.478.9701

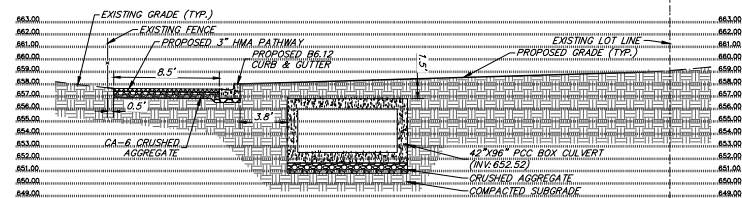
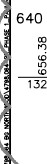
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DATE	12-19-24	BY	12-19-24	OF 54 SHEETS
CHECKED BY	COL	SCALE	1"=20'-0"	
DRAWN BY	RCS	CHARACTER	30	
DATE	12-19-24			

FILE	1798.054-PC-Plan-1-1000.dwg	SHEET NUMBER	30
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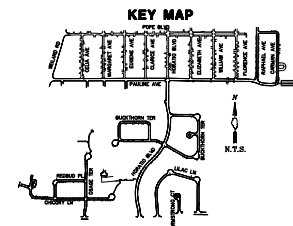
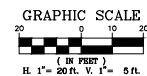
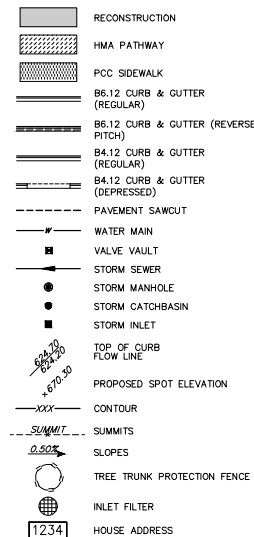


PAULINE AVENUE



CROSS-SECTION A-A

SCALE:
V: 1" = 2', H: 1" = 5'



GHA GEWALT HAMILTON
ASSOCIATES, INC.
625 Forest Edge Drive ■ Vernon Hills, IL. 60061
TEL 847.478.9700 ■ FAX 847.478.9701

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PLAN AND PROFILE (STA. 132+50 TO 135+20)

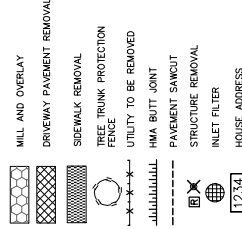
**2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS**

										FILE 4798.064-PR_Phase 1_Pa\outline.dwg		SHEET NUMBER	
										DRAWN BY: BRS		GSA PROJECT #	
										DATE 12-19-24		4798.064	
										CHECKED IN: PCL		SCALE	
										DATE 12-19-24		1"=20', V.1"=5'	
1 SPS 01-23-05 ADDENDUM 01										NO BY DATE		NO BY DATE	
NO BY DATE										NO BY DATE		NO BY DATE	

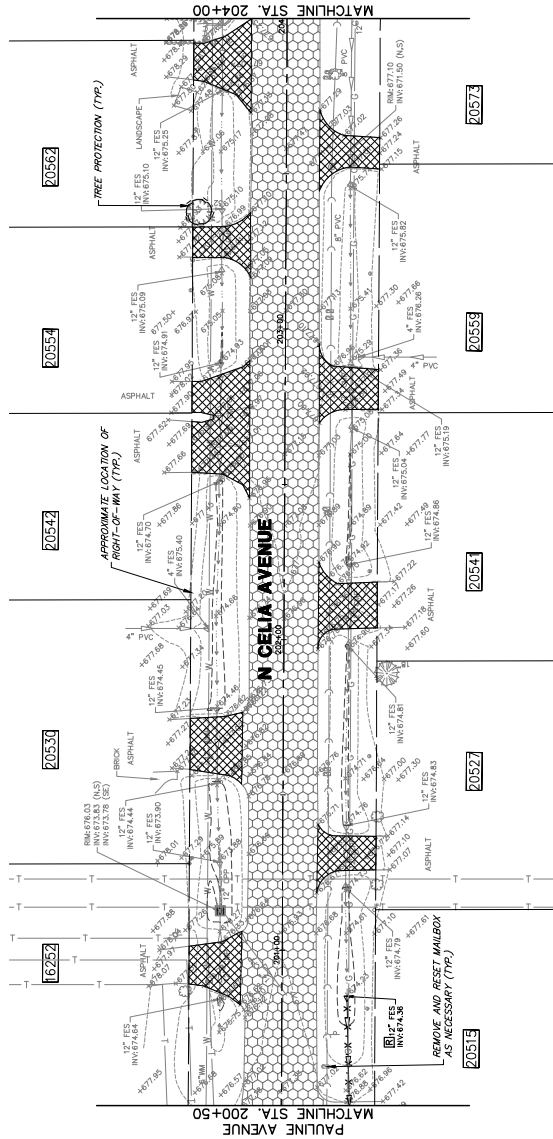
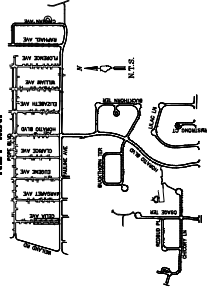


GRAPHIC SCALE
0 10 20
(IN FEET)
1 inch = 20 ft.

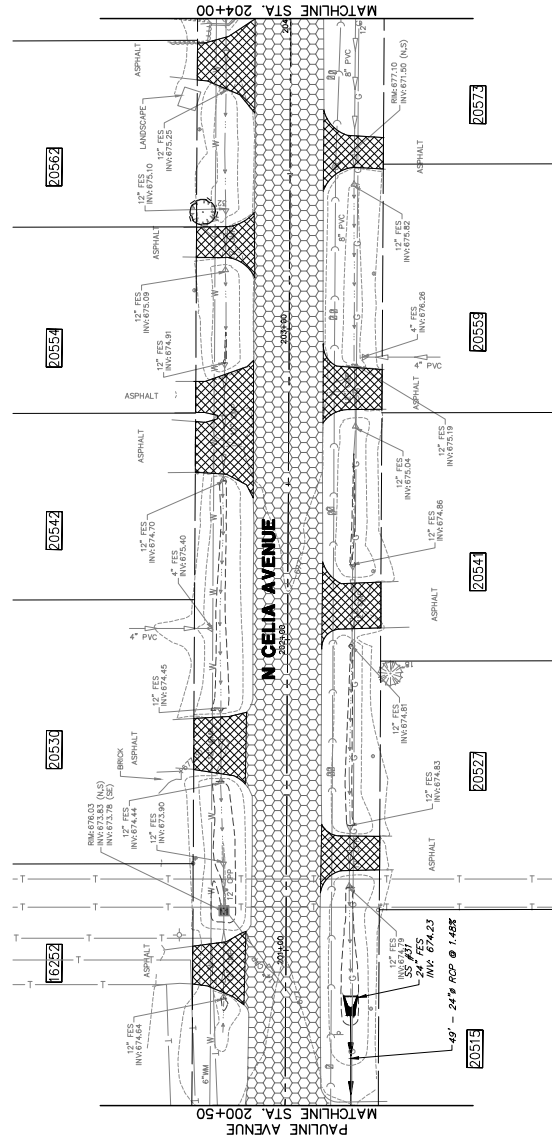
REMOVAL LEGEND



KEY MAP

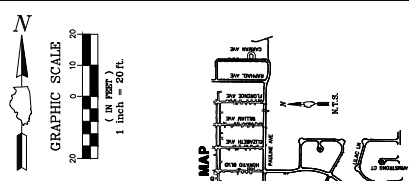


EXISTING CONDITIONS/DEMOLITION PLAN



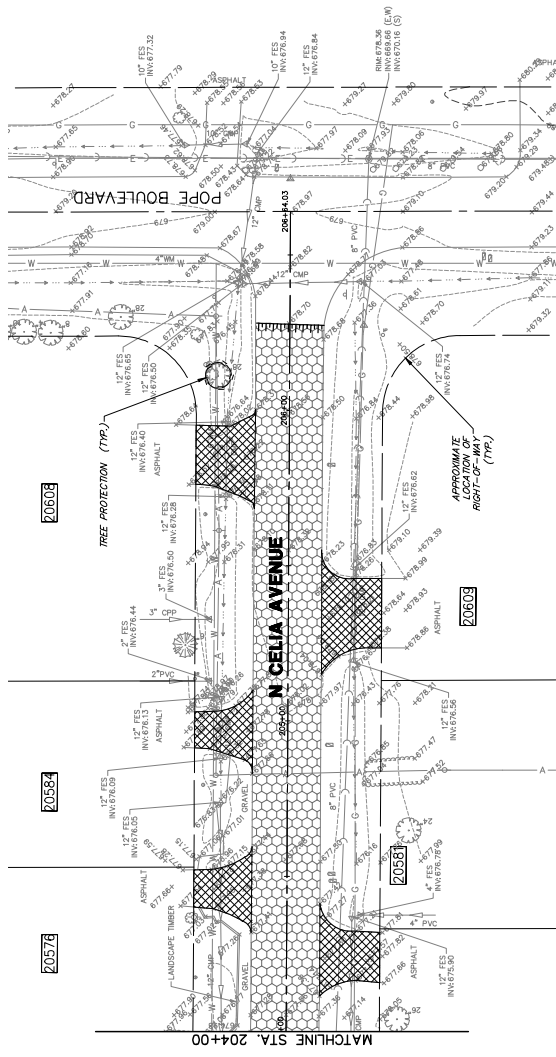
PROPOSED PLAN

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N CELIA AVENUE (STA. 200+50 TO STA. 204+00)										2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP LAKE COUNTY, ILLINOIS										32 OF 54 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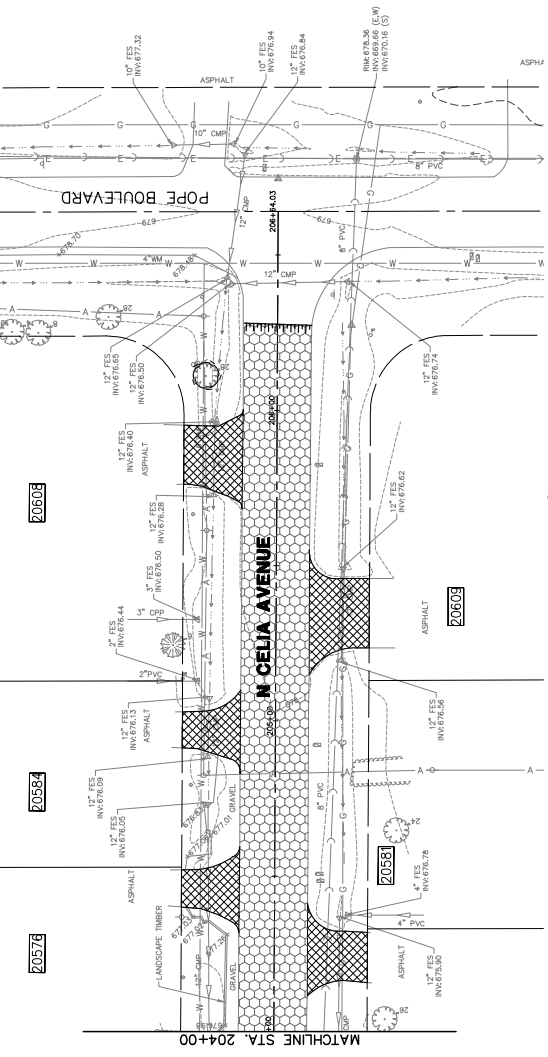


REMOVAL LEGEND

- MILL AND OVERLAY
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- TREE TRUNK PROTECTION FENCE
- UTILITY TO BE REMOVED
- HMA BUTT JOINT
- PAVEMENT SAWCUT
- STRUCTURE REMOVAL
- INLET FILTER
- HOUSE ADDRESS

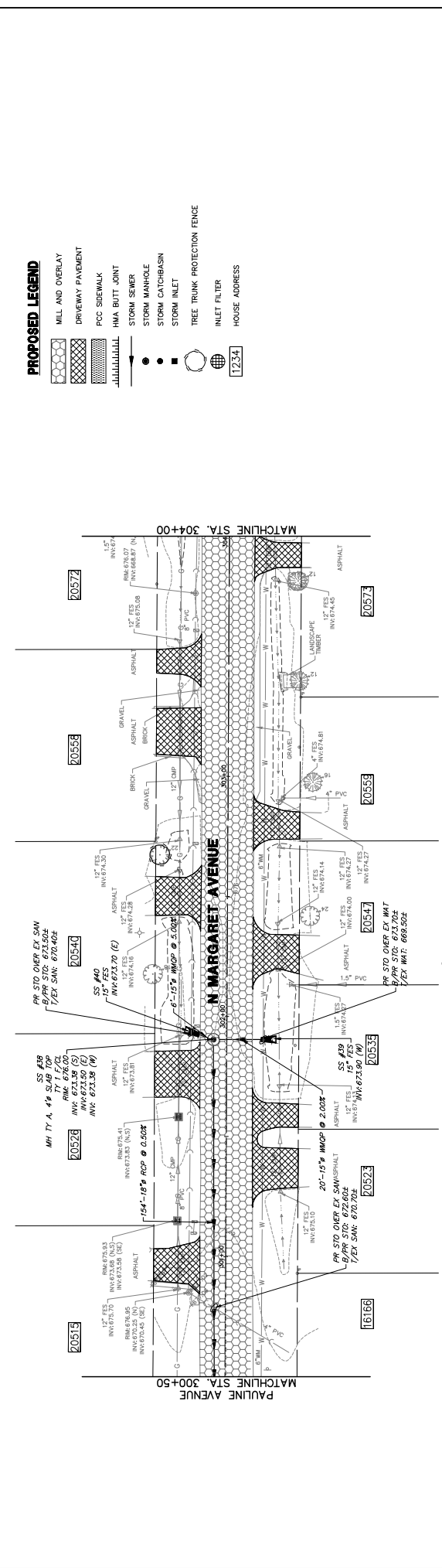
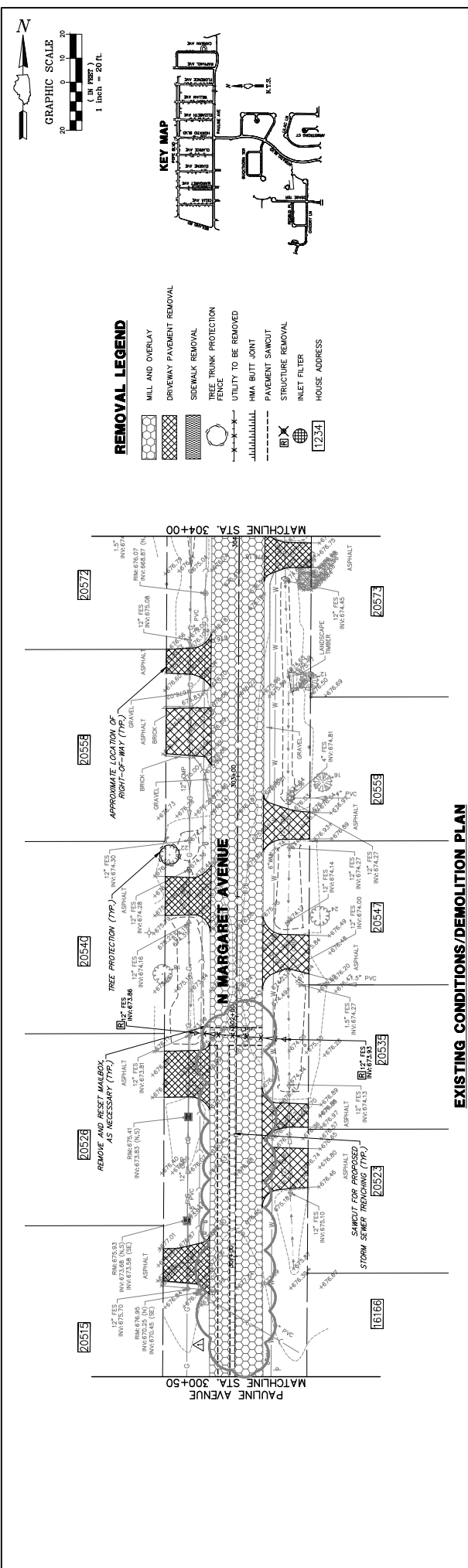


EXISTING CONDITIONS/DEMOLITION PLAN



PROPOSED PLAN

CH2M HILL 625 Forest Edge Drive Vernon Hills, IL 60061 Tel 847.478.9700 • Fax 847.478.9701	GEWALT HAMILTON ASSOCIATES, INC. 2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP LAKE COUNTY, ILLINOIS	N CELINA AVENUE (STA. 204+00 TO STA. 206+64)	COPYRIGHT NOTICE This drawing is the property of Gewalt-Hamilton Associates, Inc. and is not to be used for any purpose other than the project and location indicated. It is not to be reproduced or transmitted in any form without the written permission from Gewalt-Hamilton Associates, Inc.		FILE 478.102-PS-049	SHEET NUMBER
			DRAWN BY: BRS	CHANGED BY: 33	DATE 12-19-24	DATE 12-19-24
			CHECKED BY: POL	SCALE 1" = 20'	DATE 12-19-24	DATE 12-19-24
			NO. 1	NO. 2	NO. 3	NO. 4

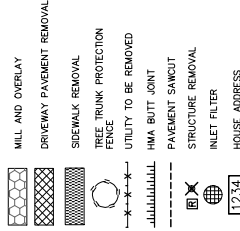


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FILE #738.102-PS.dwg		DESIGNER: RRS		DATE: 12-19-24		CHECKED BY: PCL		DATE: 12-19-24		SCALE: 1" = 20'																																			
SHEET NUMBER: 34		OF 54 SHEETS																																											

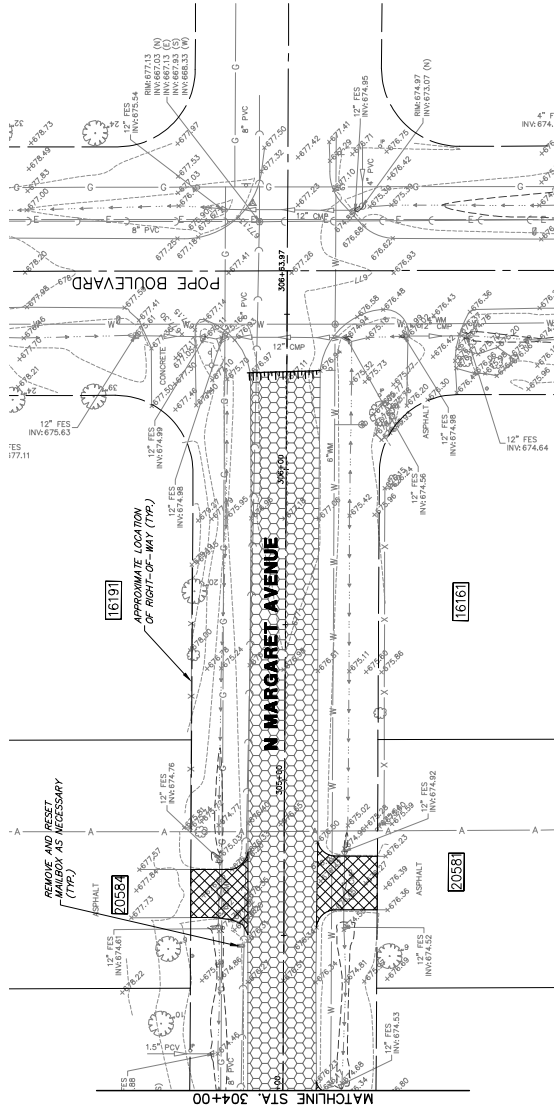
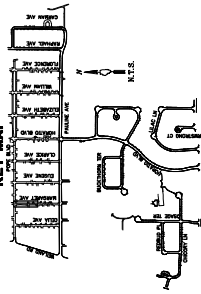


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(IN FEET)
1 inch = 20 ft.

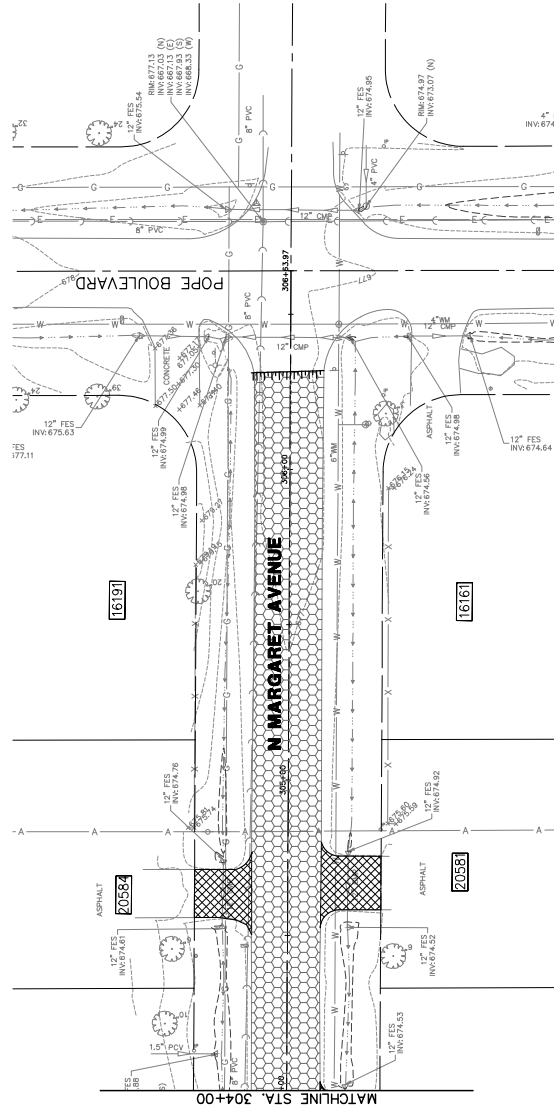
REMOVAL LEGEND



KEY MAP



EXISTING CONDITIONS/DEMOLITION PLAN



PROPOSED PLAN

N MARGARET AVENUE (STA. 304+00 TO STA. 306+64)

2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

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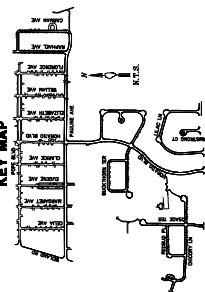
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DRAWN BY: BRS	DATE 12-19-24	CHECKED BY: PCL	DATE 12-19-24
CHANGEST #	7198.054	SCALE	1" = 20'

SHEET NUMBER	35
OF 54 SHEETS	

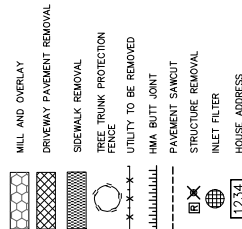


GRAPHIC SCALE
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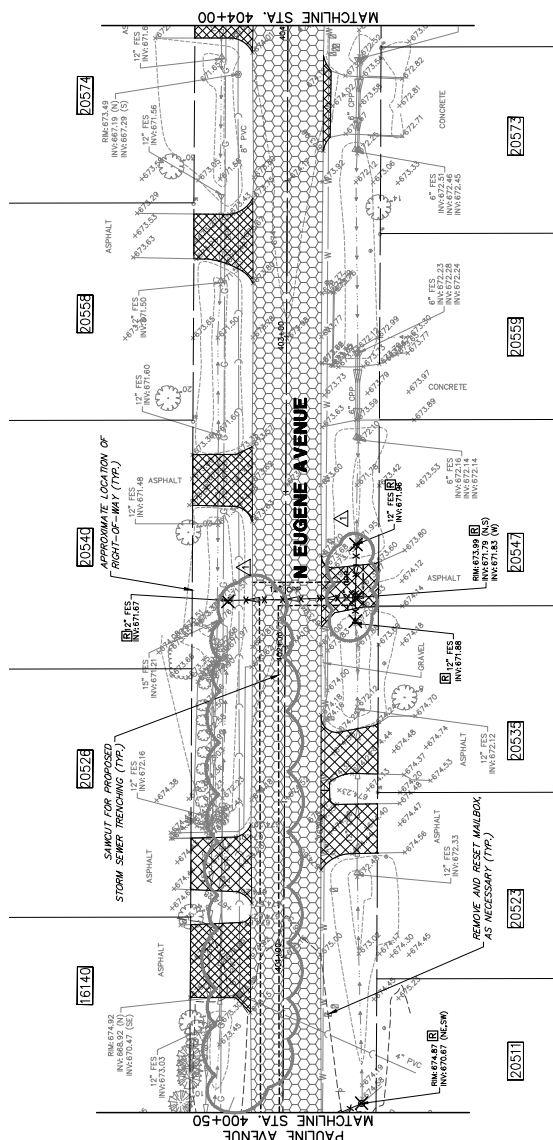
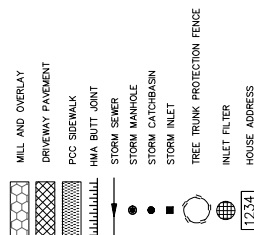
KEY MAP



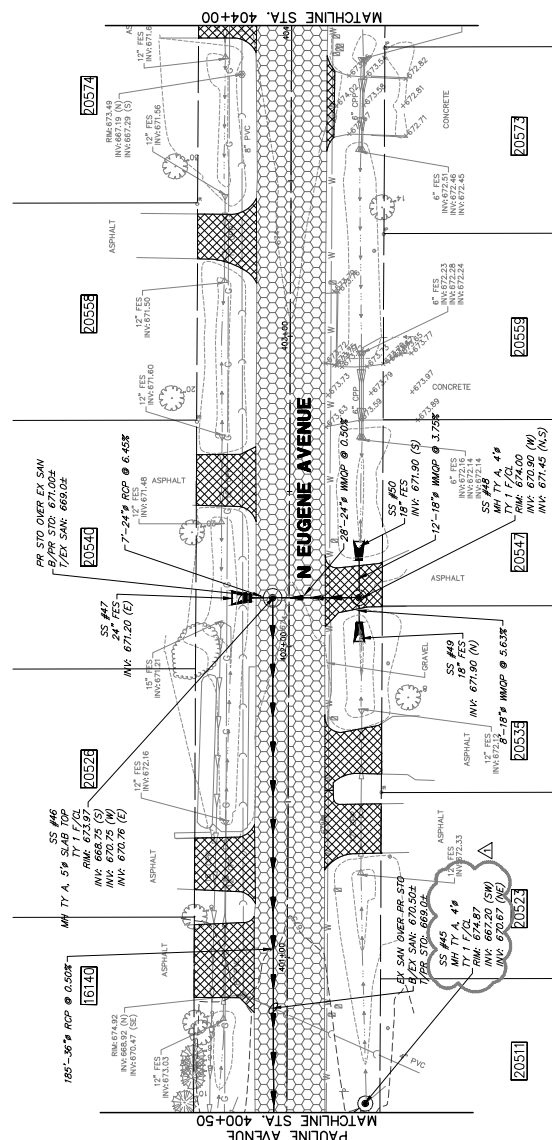
REMOVAL LEGEND



PROPOSED LEGEND



EXISTING CONDITIONS/DEMOLITION PLAN



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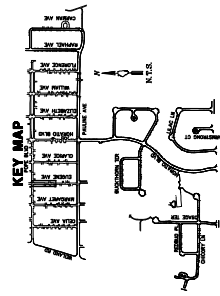
N EUGENE AVENUE (STA. 400+50 TO STA. 404+00)
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

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36
OF 54 SHEETS

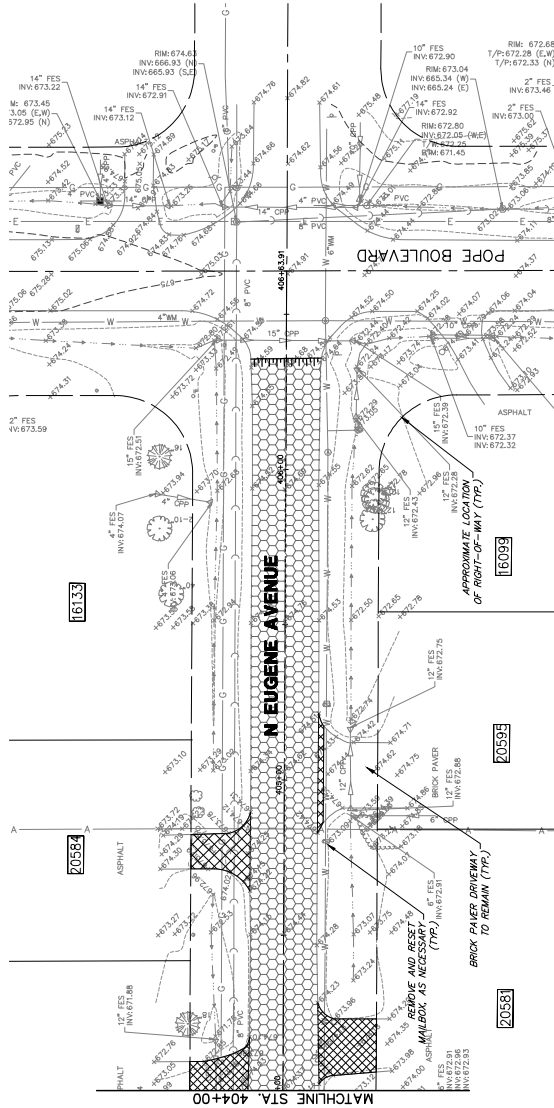


GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

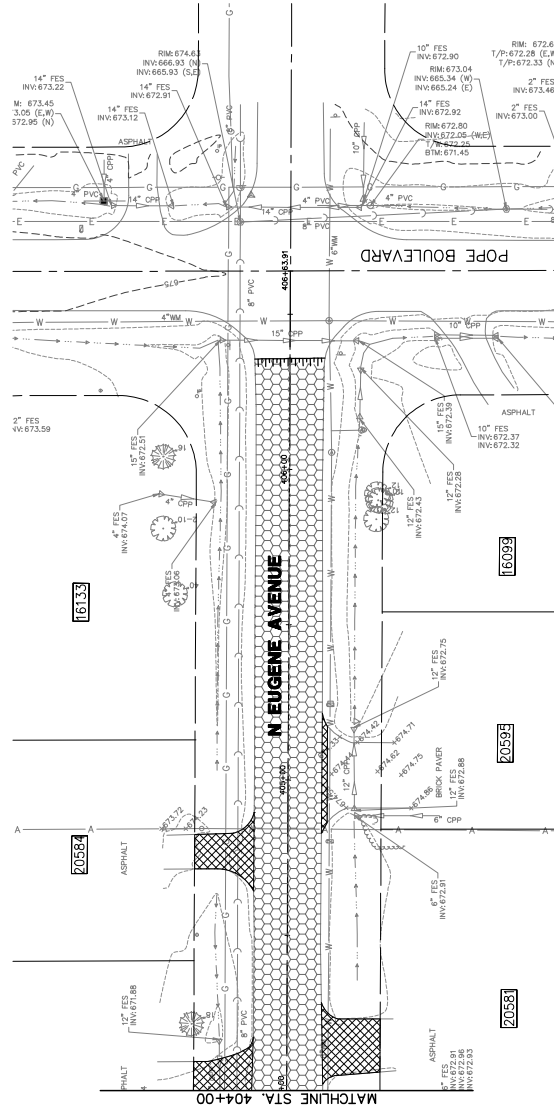


REMOVAL LEGEND

- MILL AND OVERLAY
- DRIVEWAY PAVEMENT REMOVAL
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- HMA BUTT JOINT
- PAVEMENT SAWCUT
- STRUCTURE REMOVAL
- INLET FILTER
- HOUSE ADDRESS



EXISTING CONDITIONS/DEMOLITION PLAN



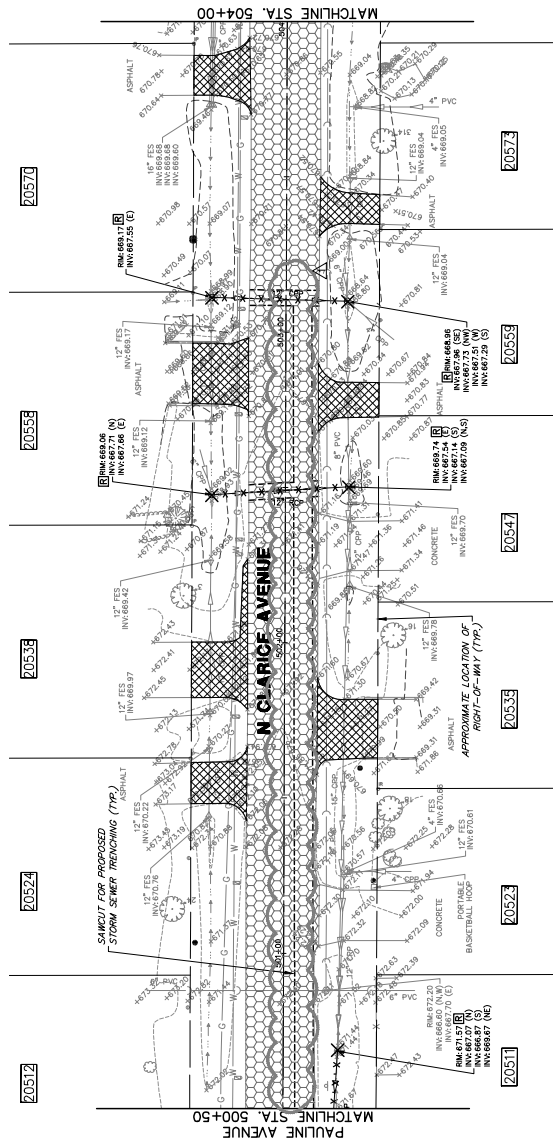
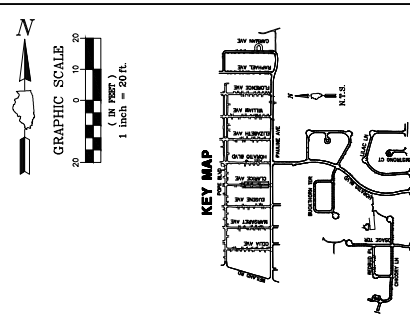
PROPOSED PLAN

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625 Forest Edge Drive ■ Vernon Hills, IL 60061
Tel 847.478.9700 ■ Fax 847.478.9701

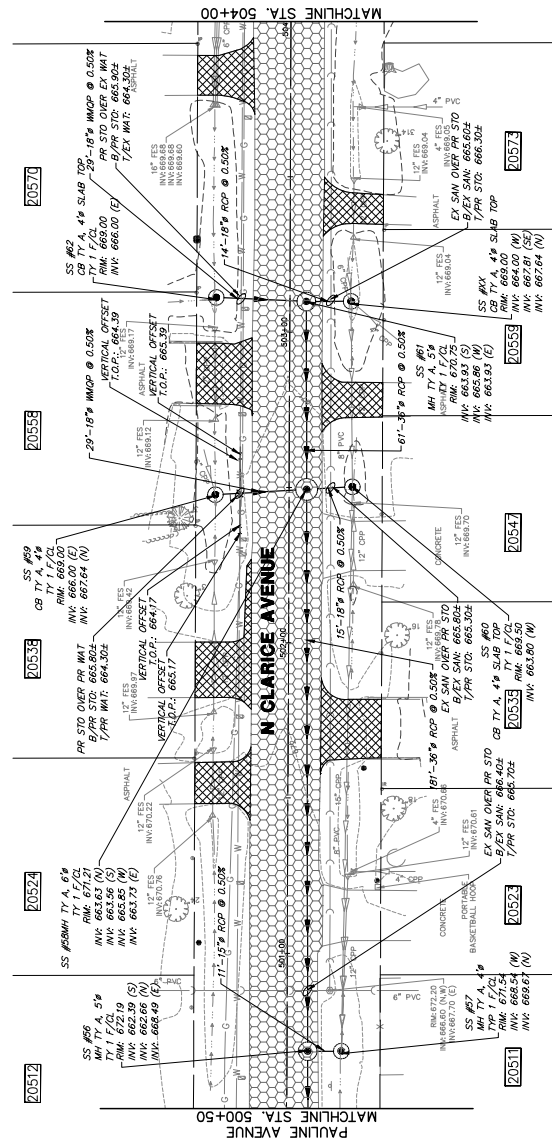
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2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

FILE #738.102-PS-049	SHEET NUMBER
DRAWN BY: BRS	37
DATE: 12-19-24	7/198.054
CHECKED BY: PCL	SCALE: 1" = 20'
DATE: 12-19-24	OF 54 SHEETS



EXISTING CONDITIONS/DEMOLITION PLAN

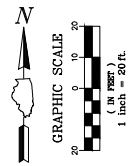


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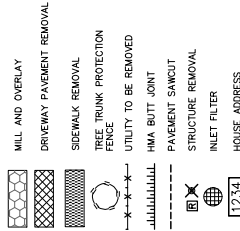
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625 Forest Edge Drive ■ Vernon Hills, IL 60061
TEL 847/478-9700 ■ FAX 847/478-9701

N CLARICE AVENUE (STA. 500+50 TO STA. 504+00)

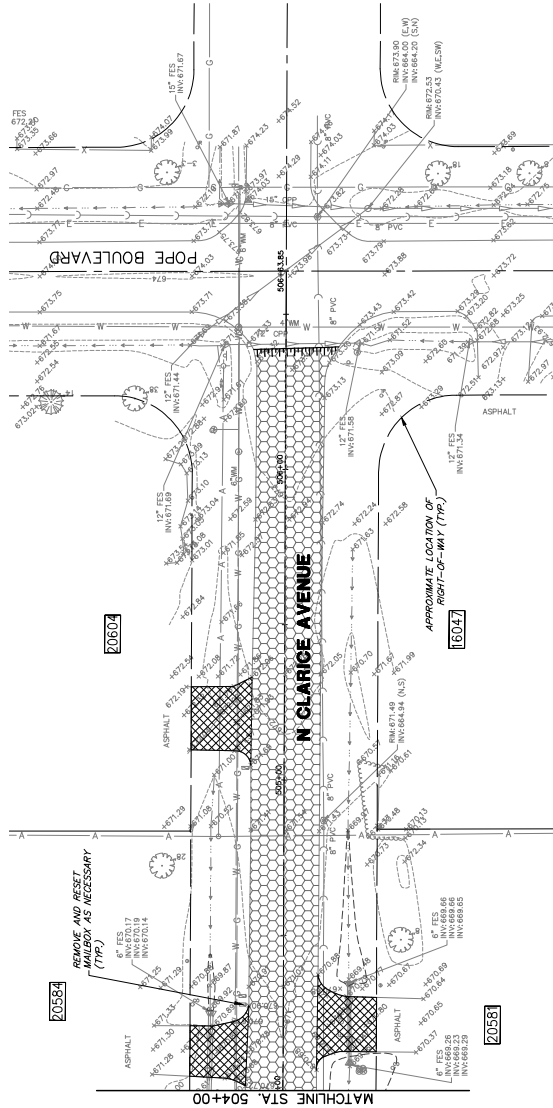
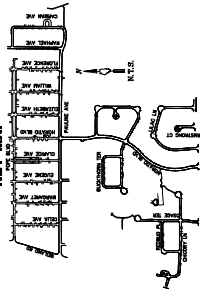
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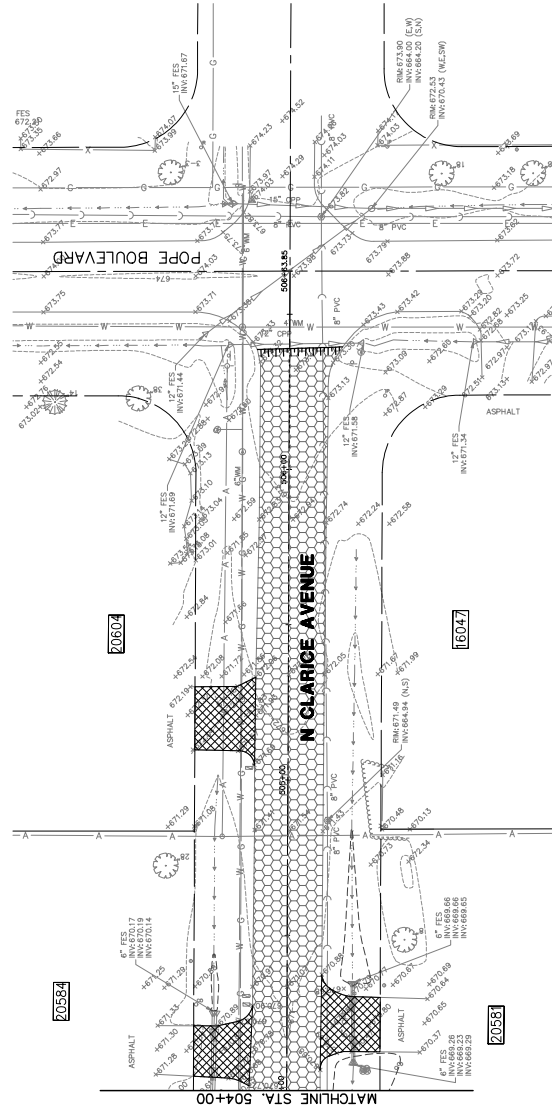
REMOVAL LEGEND



KEY MAP



EXISTING CONDITIONS/DEMOLITION PLAN



PROPOSED PLAN

N CLARICE AVENUE (STA. 504+00 TO STA. 506+64)

2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

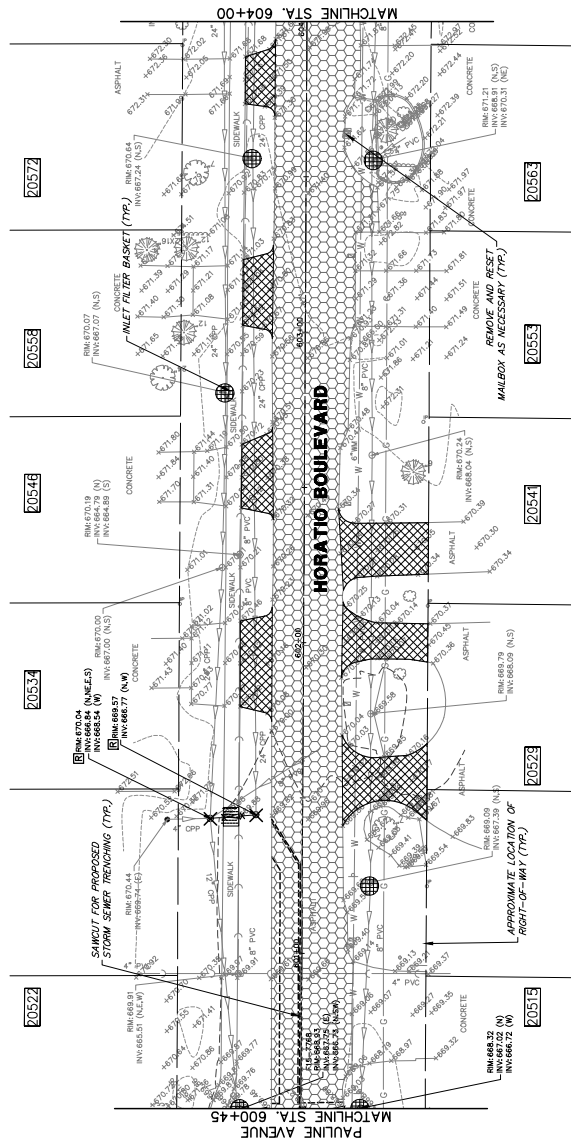
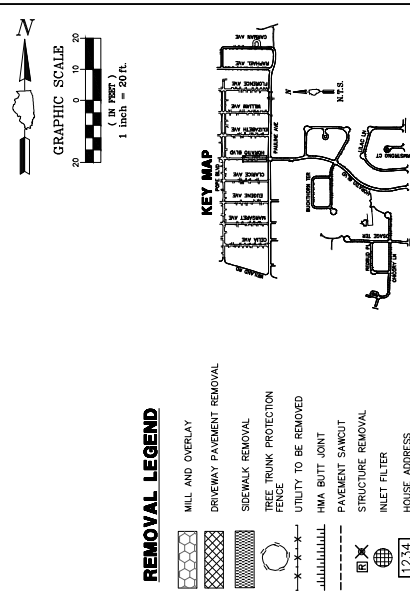
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GEVAERT-HAMILTON ASSOCIATES, INC.
625 Forest Edge Drive • Vernon Hills, IL 60061
Tel 847.478.9700 • Fax 847.478.9701

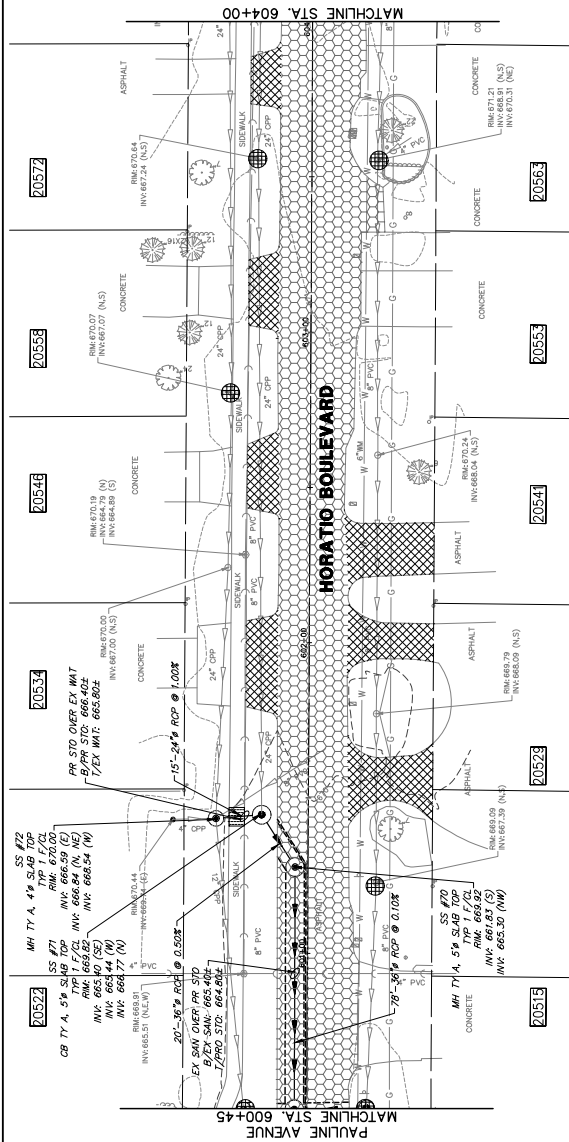
FILE #798.102-PC-049	DATE 12-19-24	CHECKED BY: POL	DATE 12-19-24
DRAWN BY: BRS	DATE 12-19-24	CHECKED BY: POL	DATE 12-19-24
CHANGEST # 1798.054	SCALE 1" = 20'	REVISION	

39

OF 54 SHEETS



EXISTING CONDITIONS/DEMOLITION PLAN

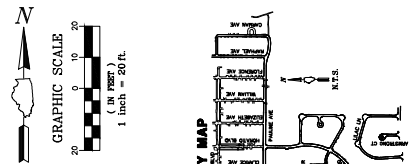


PROPOSED PLAN

**GHA GEWALT HAMILTON
ASSOCIATES, INC.**
625 Forest Edge Drive ■ Vernon Hills, IL 60061
TEL 847/478.9700 ■ FAX 847/478.9701

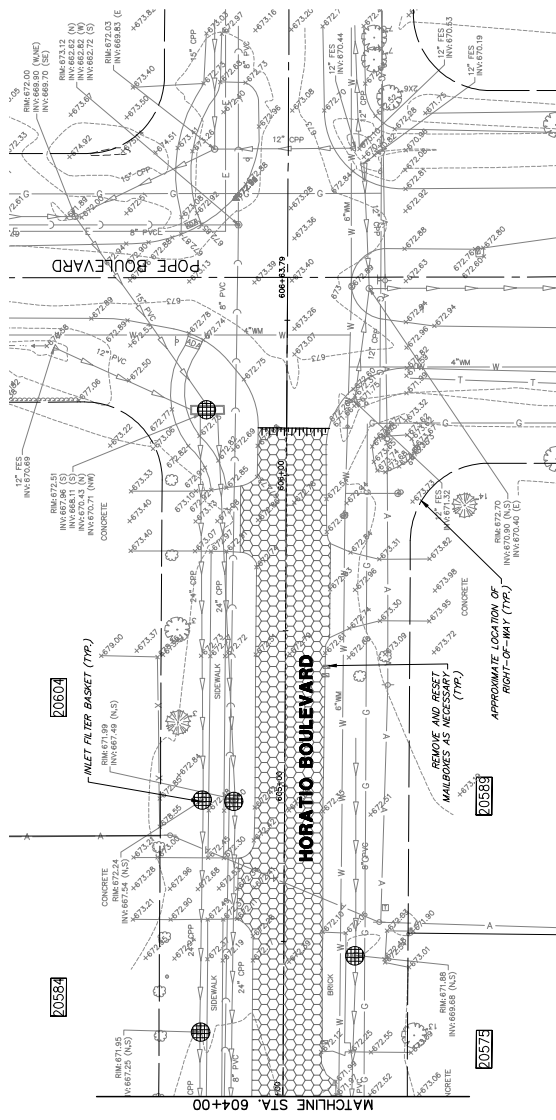
HORATIO BOULEVARD (STA. 600+50 TO STA. 604+00)

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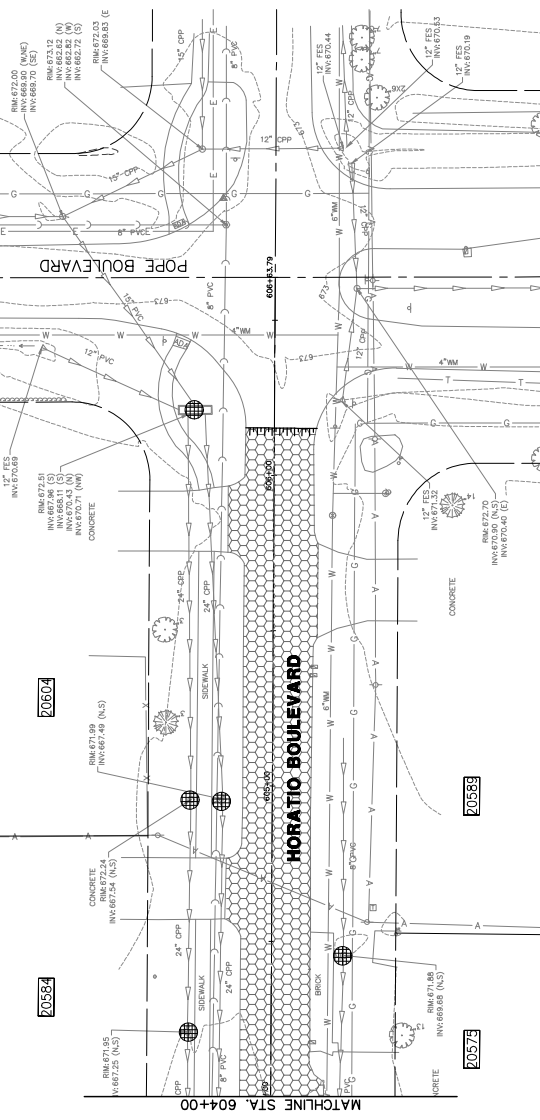


REMOVAL LEGEND

- MILL AND OVERLAY
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- TREE TRUNK PROTECTION FENCE
- UTILITY TO BE REMOVED
- HMA BUTT JOINT
- PAVEMENT SAWCUT
- STRUCTURE REMOVAL
- INLET FILTER
- HOUSE ADDRESS



EXISTING CONDITIONS/DEMOLITION PLAN

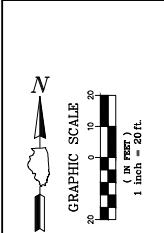


PROPOSED PLAN

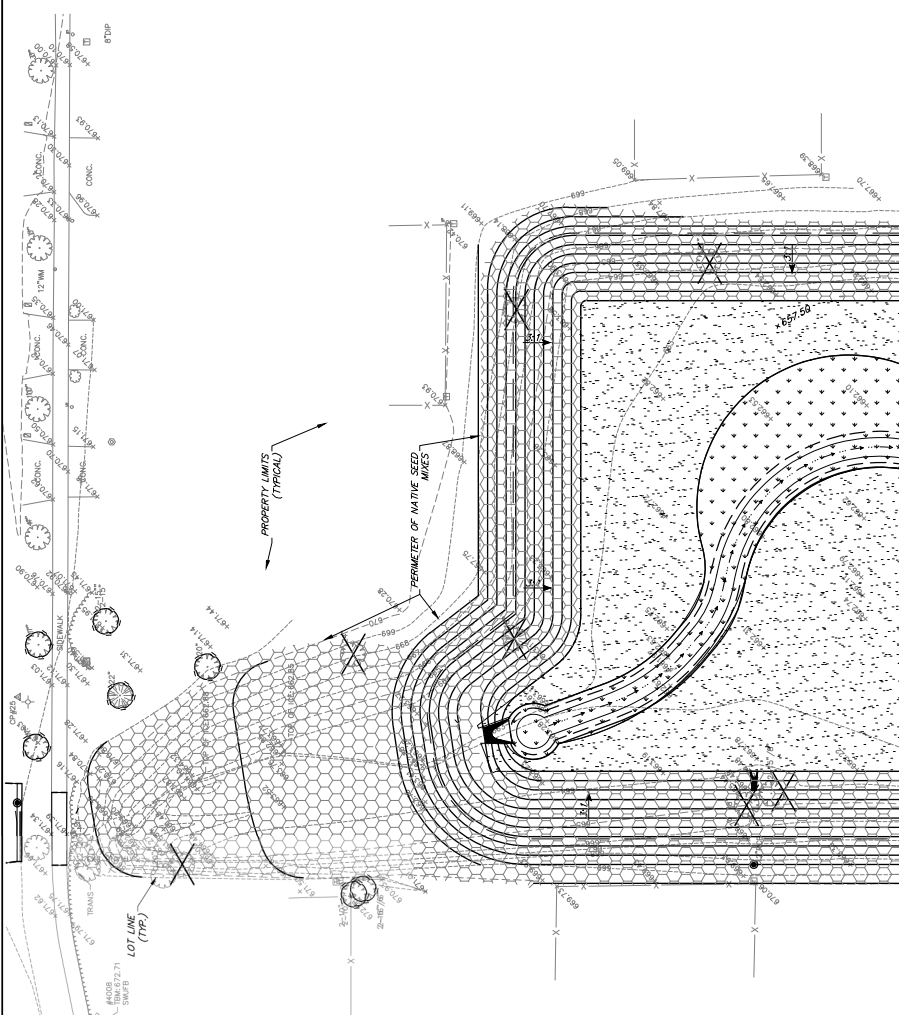
GEHA GEVAULT HAMILTON ASSOCIATES, INC. 625 Forest Edge Drive • Vernon Hills, IL 60061 Tel 847.478.9700 • Fax 847.478.9701	COPYRIGHT NOTICE This drawing is the property of Gevaault-Hamilton Associates, Inc. and is not to be used for any purpose other than the project and site specified herein without the written permission of Gevaault-Hamilton Associates, Inc.	HORATIO BOULEVARD (STA. 604+00 TO STA. 606+64) 2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP LAKE COUNTY, ILLINOIS		FILE 4798.102-PS.dwg	SHEET NUMBER
		1 DPS 04-03-25	ADDITIONAL 01	DRAWN BY: RRS	CHECKED BY: POL
		NO. 87	DATE	DATE 12-19-24	SCALE 1" = 20'
		PERSON	PERSON	DATE	DATE

PROPOSED LEGEND		MILL AND OVERLAY	DRIVEWAY PAVEMENT	PCC SIDEWALK	HMA BUTT JOINT	STORM MANHOLE	STORM CATCHBASIN	STORM INLET	TREE TRUNK PROTECTION FENCE	INLET FILTER	HOUSE ADDRESS
1234		1234	1234	1234	1234	1234	1234	1234	1234	1234	1234

41	OF 54 SHEETS
-----------	---------------------



- LANDSCAPE LEGEND**
- LAWN SEED MIX
 - DRY PRAIRIE SLOPE SEED MIX
 - WET MISC PRAIRIE SEED MIX
 - EMERGENT WETLAND PLUGS
 - EXISTING TREE
 - TREE TO BE REMOVED
 - PROPOSED SHADE TREE



CORE LOG INSTALLATION

FINAL GRADE SHOULD BE SMOOTH, FREE OF ROCKS, STICKS AND EXISTING VEGETATION.

LOGS SHOULD MAINTAIN SOLID CONTACT WITH THE SOIL AND BE INSTALLED IN A MANNER THAT MINIMIZES GAPS BETWEEN THE BOTTOM OF LOGS AND EXISTING VEGETATION.

LOGS SHOULD BE INSTALLED WITH 1/3 TO 1/2 OF THE LOG SUBMERGED INTO THE GRADE.

LOGS SHOULD BE SPACED ALONG EITHER SIDE OF THE LOT, UNTIL THE TOP OF THE STAKE IS APPROXIMATELY 4" ABOVE THE LOG.

DRIVE ALTERNATELY SPACED HARDWOOD STAKES ALONG EITHER SIDE OF THE LOT, UNTIL THE TOP OF THE STAKE IS APPROXIMATELY 4" ABOVE THE LOG.

NOTCH HARDWOOD STAKES APPROXIMATELY 4" BELOW THE TOP OF THE LOG, DEEP ENOUGH TO FIT A 1/2" NYLON ROPE CIRCUMFERENCE THE LOG OVER THE TOP OF THE LOG, WHEN COMPLETE DRIVING THE STAKE DOWN, THE STAKE SHOULD BE FLUSH WITH THE TOP OF THE LOG.

INSTALL HARDWOOD STAKES AT THE SAME ELEVATION, COARSE ADJACENT LOGS TOGETHER WITH SUPPLEMENTAL ROPE, NYLON OR CABLE TIES.

REVISION	DATE	BY	DATE	REASON
1	12-19-24	RS		
2	12-19-24	RS		

DATE: 12-19-24	CHECKED BY: POL	SCALE: 1" = 20'	SHEET NUMBER: L1.1
DATE: 12-19-24	CHECKED BY: POL	SCALE: 1" = 20'	OF 2 SHEETS

Scientific Name	Common Name	Size (Range)	On Center Spacing
Andropogon gerardii	Big Bluestem	120" x 120"	15'
Andropogon scoparius	Fourwinged Grass	120" x 120"	15'
Andropogon scoparius	Fourwinged Grass	120" x 120"	15'
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Andropogon scoparius	Fourwinged Grass	120" x 120"	15'

1. Plants should be purchased from a reputable nursery that is located within 250 miles.

2. An attempt should be made to purchase close to equal quantities of all species listed.

3. All plants should be planted within 14 days of receipt.

4. All plants should be planted within 14 days of receipt.

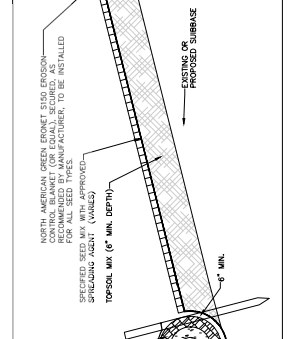
5. All plants should be planted within 14 days of receipt.

Scientific Name	Common Name	Size (Range)	On Center Spacing
Andropogon gerardii	Big Bluestem	120" x 120"	15'
Andropogon scoparius	Fourwinged Grass	120" x 120"	15'
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Apply in sets of 12.00 Pkg pounds per acre

Scientific Name	Common Name	Size (Range)	On Center Spacing
Andropogon gerardii	Big Bluestem	120" x 120"	15'
Andropogon scoparius	Fourwinged Grass	120" x 120"	15'
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Apply in sets of 12.00 Pkg pounds per acre



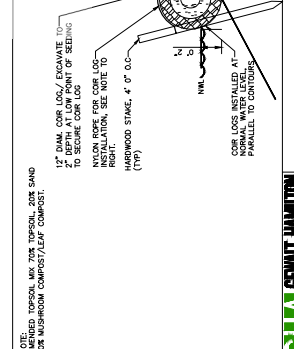
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DATE: 12-19-24	CHECKED BY: POL	SCALE: 1" = 20'	OF 2 SHEETS

Scientific Name	Common Name	Size (Range)	On Center Spacing
Andropogon gerardii	Big Bluestem	120" x 120"	15'
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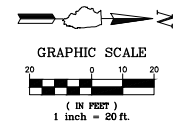
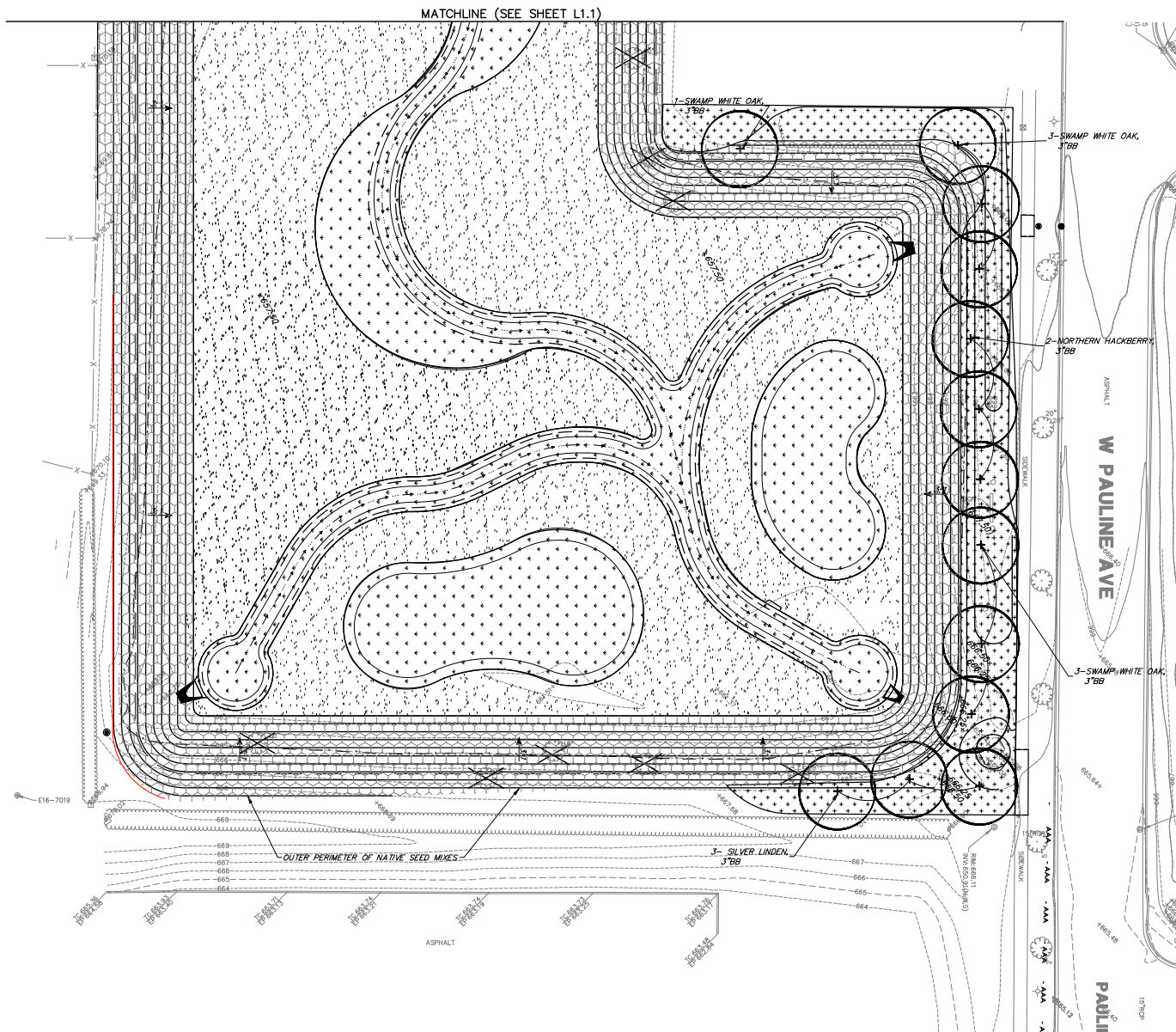
Apply in sets of 12.00 Pkg pounds per acre

Scientific Name	Common Name	Size (Range)	On Center Spacing
Andropogon gerardii	Big Bluestem	120" x 120"	15'
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Apply in sets of 12.00 Pkg pounds per acre

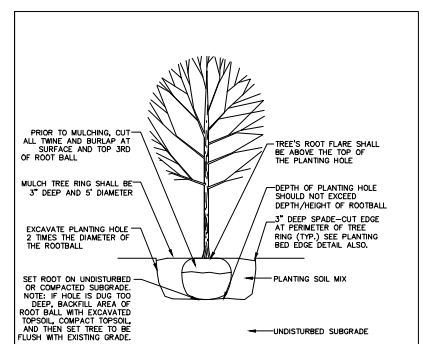


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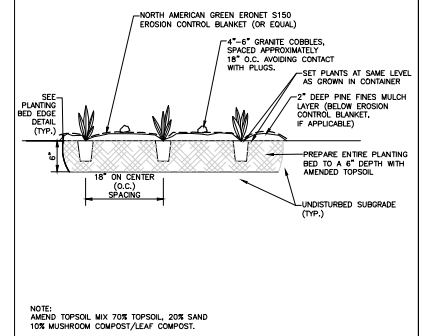


LANDSCAPE LEGEND

- LAWN SEED MIX
- DRY PRAIRIE SLOPE SEED MIX
- WET TO MESC PRAIRIE SEED MIX
- EMERGENT WETLAND PLUGS
- EXISTING TREE
- TREE TO BE REMOVED
- PROPOSED SHADE TREE



TREE PLANTING DETAIL



PLUG PLANTING DETAIL

FILE: 4798.064-LA4.dwg	SHEET NUMBER
DRAWN BY: JLC	L1.2
DATE: 12-19-24	CHA PROJECT # 4798.064
CHECKED BY: PCL	SCALE: 1" = 20'
DATE: 12-19-24	OF 2 SHEETS

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NORTHWOOD BASIN - LANDSCAPE PLAN (EAST)
2025 NORTHWOOD STREET AND UTILITY IMPROVEMENTS
VILLAGE OF BUFFALO GROVE / VERNON TOWNSHIP
LAKE COUNTY, ILLINOIS

NO.	BY	DATE	REVISION	NO.	BY	DATE	REVISION

Exhibit 3
Project Scope of Work

EXHIBIT 3

<u>PROJECT SCOPE OF WORK</u>	Assigned Responsibility (LS, SMC, Joint)
<i>NORTHWOOD SUBDIVISION STORMWATER IMPROVEMENTS PHASE 1 AND HORATIO GARDENS DRAINAGE IMPROVEMENTS PROJECTS</i>	
<u>Phase 1: Needs Analysis, Scope Development, Concept Plan and Preliminary Engineering</u>	
1. Establish need and scope	LOCAL SPONSOR
2. Initiate early coordination with stakeholders and alignment on the project scope	LOCAL SPONSOR
3. Create concept plan and estimate project concept cost	LOCAL SPONSOR
4. Determine land rights needs	LOCAL SPONSOR
5. Conduct field inventories, environmental assessments	LOCAL SPONSOR
6. Outline permitting with Local, State and Federal Permitting Authorities	LOCAL SPONSOR
7. Obtain preliminary agreement with local partners	JOINT
8. Investigate Alternative Funding Sources	JOINT
<u>Phase 2: Design, Permitting and Land Rights</u>	
1. Project design development	LOCAL SPONSOR
2. Land survey and geotechnical investigation	LOCAL SPONSOR
3. Carry out permit process to construction start - Municipal, County, Utilities, IDNR, IDOT, IEPA, USACE, FEMA	LOCAL SPONSOR
4. Assess property needs, negotiate with landowners, complete land rights process	LOCAL SPONSOR
5. Utility investigations and relocation plan	LOCAL SPONSOR
6. Finalize local partner agreements	JOINT
7. Finalize alternative funding sources	JOINT
8. Complete final construction plans and bids docs	
<u>Phase 3: Construction Contract and Bid Docs, Advertising For Bids, Construction</u>	
1. Advertise for Bid/Vendors	LOCAL SPONSOR
2. Conduct bid letting	LOCAL SPONSOR
3. Contract Award	LOCAL SPONSOR
4. Sureties/Bonds Setup	LOCAL SPONSOR
5. Conduct pre-construction meeting	LOCAL SPONSOR
6. Inspections/Construction oversight	LOCAL SPONSOR
7. Traffic control/Utility Relocations	LOCAL SPONSOR
8. Construction/Contract Management	LOCAL SPONSOR
9. Construction Implementation	LOCAL SPONSOR
10. Construction Contract Maintenance Period	LOCAL SPONSOR
11. Project Closeout	JOINT
<u>Phase 4: Post Construction Inspection, Maintenance, Operation and Upkeep</u>	
1. Annual Project Inspection	LOCAL SPONSOR
2. Inspection Report Recommended Maintenance Items	LOCAL SPONSOR
3. Implementation of Maintenance	LOCAL SPONSOR

Exhibit 4
Budget

Exhibit 4
Project Budget
NORTHWOOD SUBDIVISION STORMWATER IMPROVEMENTS PHASE 1 AND
HORATIO GARDENS DRAINAGE IMPROVEMENTS PROJECTS

Item#	DCEO Reimbursable Category Descriptions	DCEO Expense	Local Sponsor Expense
DCEO-1	Design/Engineering - costs associated with creation of the project's architectural drawings; engineering studies and/or fees; etc., including costs of plans & specs and/or printing costs if specifically identified as such within the Scope of Work. This task includes permitting tasks and associated fees during the design process.	\$204,200.00	\$ -
DCEO-2	Building Land Purchase - cost to purchase, either in whole or in part, a building, structural shell, condominium, land, and/or easement including, but not limited to: the net purchase price itself; closing costs charged to the buyer on the closing document; legal fees; etc.	\$0.00	\$ -
DCEO-3	Wiring/Electrical - purchase of materials necessary for completion of the project scope such as: electrical wiring; conduit; outlets; switches; etc. including associated labor/installation costs, as identified within the Scope of Work.	\$0.00	\$ -
DCEO-4	Equipment/Material/Labor - purchase of materials and/or purchase/lease of equipment, to use or install for the project, such as: steel; drywall; lumber; wiring; doors; windows; roofing; rock; etc. including labor/installation costs, as identified - within the Scope of Work.	\$2,389,785.00	\$ -
DCEO-5	Paving/Concrete/Masonry - purchase of materials necessary for completion of the project scope such as bituminous pavement; concrete; rock; bricks; blocks; mortar; tuckpointing; etc. including associated labor/installation costs, as identified within the Scope of Work.	\$383,592.60	\$ -
DCEO-6	Construction Management/Oversight - costs associated with managing the construction activities and/or overseeing all aspects of the construction project, either by contractor personnel or Grantee personnel, but limited to verifiable time working on this project.	\$308,800.00	\$ -
DCEO-7	Mechanical System - purchase of materials necessary for completion of the project cope such as: HVAC; elevators; fire alarm, sprinkler, or ventilation systems; etc. including associated labor/installation costs, as identified within the Scope of Work.	\$0.00	\$ -
DCEO-8	Excavation/Site Prep/Demo - costs associated with demolition of existing structures on the project site and/or preparation of the project site including excavation, etc. ahead of actual new construction/renovation activities.	\$1,295,423.70	\$ -
DCEO-9	Plumbing - purchase of materials necessary for completion of the project scope such as: internal or external pipes for water, gas, and/or sewage; fixtures; etc. including associated labor/installation costs, as identified within the Scope of Work.	\$0.00	\$ -
DCEO-10	Other Construction Expenses - costs that can't be easily broken out to or covered by other individual/specific Budgetary line items such as: landscaping; hauling; equipment rental; insurance; environmental fees; loan payments; etc. as identified within the Scope of Work.	\$418,198.70	\$ -
DCEO-11	Contingency (10% Max) - coverage of potential cost overruns in any of the other utilized Grant Budget line items.	\$500,000.00	\$ -
Additional Non-Reimbursable Project Expenditure Line-Item Categories and Description			
SMC-1	Local Sponsor Project Expense Match Payment to SMC	\$ 364,031.25	\$ -
SMC-2	Estimated Project Implementation and Construction Cost - Above Grant Award	\$ -	\$ 2,996,137.40
SMC-3	Estimated Post Project Annual Operation, Inspection and Maintenance	\$ -	\$ -
SMC-4	Estimated Pre-Grant Project Expenses (Optional)	\$ -	\$ -
	Subtotals:	\$ 5,864,031.25	\$ 2,996,137.40
	Total Project Expenses:	\$	8,860,168.65

Exhibit 5
Schedule

APPENDIX E

UPDATE LOCAL PARTNER NAME - PROJECT NAME			DCEO APPLICATION PROJECT SCHEDULE																											
Phase	Task		Pre-Grant Task	22-Nov	22-Dec	23-Jan	23-Feb	23-Mar	23-Apr	23-May	23-Jun	23-Jul	23-Aug	23-Sep	23-Oct	23-Nov	23-Dec	24-Jan	24-Feb	24-Mar	24-Apr	24-May	24-Jun	24-Jul	24-Aug	24-Sep	24-Oct	24-Nov	24-Dec	
Phase 1: Needs Analysis, Scope Development, Concept Plan and Preliminary Engineering																														
	1.1	Establish need and scope																												
	1.2	Initiate early coordination with stakeholders and alignment on the project scope																												
	1.3	Create concept plan and estimate project concept cost																												
	1.4	Determine land rights needs																												
	1.5	Conduct field inventories, environmental assessments																												
	1.6	Outline permitting with Local, State and Federal Permitting Authorities																												
	1.7	Obtain preliminary agreement with local partners																												
	1.8	Investigate Alternative Funding Sources																												
Phase 2: Design, Permitting and Land Rights																														
	2.1	Project design development																												
	2.2	Land survey and geotechnical investigation																												
	2.3	Carry out permit process to construction start - Municipal, County, Utilities, IDNR, IDOT, IEPA, USACE, FEMA																												
	2.4	Assess property needs, negotiate with landowners, complete land rights process																												
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	3.11	Project Closeout																												
Phase 4: Post Construction Inspection, Maintenance, Operation and Upkeep																														
	4.1	Annual Project Inspection																												
	4.2	Inspection Report Recommended Maintenance Items																												
	4.3	Implementation of Maintenance																												

Deliverable due	
	Completed Task
	Local Sponsor
	SMC
	Combined Team

Exhibit 6
Funding Agreement #24-413046 between the
Department of Commerce and Economic Opportunity (DCEO) and the
Lake County Stormwater Management Commission (SMC)



**GRANT AGREEMENT
BETWEEN
THE STATE OF ILLINOIS, DEPARTMENT OF COMMERCE AND ECONOMIC OPPORTUNITY
AND
Lake County**

The parties to this Grant Agreement (Agreement) are the State of Illinois (State), acting through the undersigned agency (Grantor) and Lake County (Grantee) (collectively, the "Parties" and individually, a "Party"). The Agreement, consisting of the signature page, the parts listed below, and any additional exhibits or attachments referenced in this Agreement, constitute the entire agreement between the Parties. No promises, terms, or conditions not recited, incorporated or referenced herein, including prior agreements or oral discussions, are binding upon either Grantee or Grantor.

PART ONE – The Uniform Terms

Article I	Definitions
Article II	Award Information
Article III	Grantee Certifications and Representations
Article IV	Payment Requirements
Article V	Scope of Award Activities/Purpose of Award
Article VI	Budget
Article VII	Allowable Costs
Article VIII	Lobbying
Article IX	Maintenance and Accessibility of Records; Monitoring
Article X	Financial Reporting Requirements
Article XI	Performance Reporting Requirements
Article XII	Audit Requirements
Article XIII	Termination; Suspension; Non-compliance
Article XIV	Subcontracts/Subawards
Article XV	Notice of Change
Article XVI	Structural Reorganization and Reconstitution of Board Membership
Article XVII	Conflict of Interest
Article XVIII	Equipment or Property
Article XIX	Promotional Materials; Prior Notification
Article XX	Insurance
Article XXI	Lawsuits and Indemnification
Article XXII	Miscellaneous
Exhibit A	Project Description
Exhibit B	Deliverables or Milestones
Exhibit C	Contact Information
Exhibit D	Performance Measures and Standards
Exhibit E	Specific Conditions

PART TWO – Grantor-Specific Terms

PART THREE – Project-Specific Terms

The Parties or their duly authorized representatives hereby execute this Agreement.

ILLINOIS DEPARTMENT OF COMMERCE AND
ECONOMIC OPPORTUNITY

LAKE COUNTY

By: _____
Signature of Kristin A. Richards, Director

Date: _____

By: _____
Signature of Designee

Date: _____

Printed Name: _____

Printed Title: _____
Designee

By: _____
Signature of Second Grantor Approver, if applicable

Date: _____

Printed Name: _____

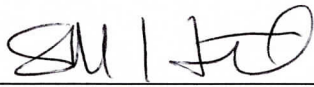
Printed Title: _____
Second Grantor Approver

By: _____
Signature of Third Grantor Approver, if applicable

Date: _____

Printed Name: _____

Printed Title: _____
Third Grantor Approver

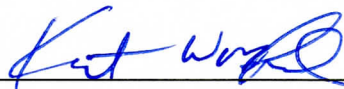
By: 
Signature of Authorized Representative

Date: 11/12/2024

Printed Name: Sandy Hart

Printed Title: Board Chairman

Email: smhart@lakecountyil.gov

By: 
Signature of Second Grantee Approver, if applicable

Date: 11/12/2024

Printed Name: KURT WOOLFORD

Printed Title: EXEC. DIRECTOR - STORMWATER
Second Grantee Approver
(optional at Grantee's discretion)

PART ONE – THE UNIFORM TERMS

**ARTICLE I
DEFINITIONS**

1.1. Definitions. Capitalized words and phrases used in this Agreement have the meanings stated in 2 CFR 200.1 unless otherwise stated below.

“Allowable Costs” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Award” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Budget” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Catalog of State Financial Assistance” or “CSFA” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Close-out Report” means a report from the Grantee allowing Grantor to determine whether all applicable administrative actions and required work have been completed, and therefore closeout actions can commence.

“Conflict of Interest” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Cooperative Research and Development Agreement” has the same meaning as in 15 USC 3710a.

“Direct Costs” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Financial Assistance” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“GATU” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Grant Agreement” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Grantee Compliance Enforcement System” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Grant Funds” means the Financial Assistance made available to Grantee through this Agreement.

“Grantee Portal” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Indirect Costs” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Indirect Cost Rate” means a device for determining in a reasonable manner the proportion of Indirect Costs each Program should bear. It is a ratio (expressed as a percentage) of the Indirect Costs to a Direct Cost base. If reimbursement of Indirect Costs is allowable under an Award, Grantor will not reimburse those Indirect Costs unless Grantee has established an Indirect Cost Rate covering the applicable activities and period of time, unless Indirect Costs are reimbursed at a fixed rate.

“Indirect Cost Rate Proposal” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Obligations” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Period of Performance” has the same meaning as in 44 Ill. Admin. Code 7000.30.

“Prior Approval” has the same meaning as in 44 Ill. Admin. Code 7000.30.

"Profit" means an entity's total revenue less its operating expenses, interest paid, depreciation, and taxes. "Profit" is synonymous with the term "net revenue."

"Program" means the services to be provided pursuant to this Agreement. "Program" is used interchangeably with "Project."

"Program Costs" means all Allowable Costs incurred by Grantee and the value of the contributions made by third parties in accomplishing the objectives of the Award during the Term of this Agreement.

"Related Parties" has the meaning set forth in Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) 850-10-20.

"SAM" has the same meaning as in 44 Ill. Admin. Code 7000.30.

"State-issued Award" means the assistance that a grantee receives directly from a State agency. The funding source of the State-issued Award can be federal pass-through, State or a combination thereof. "State-issued Award" does not include the following:

- contracts issued pursuant to the Illinois Procurement Code that a State agency uses to buy goods or services from a contractor or a contract to operate State government-owned, contractor-operated facilities;
- agreements that meet the definition of "contract" under 2 CFR 200.1 and 2 CFR 200.331, which a State agency uses to procure goods or services but are exempt from the Illinois Procurement Code due to an exemption listed under 30 ILCS 500/1-10, or pursuant to a disaster proclamation, executive order, or any other exemption permitted by law;
- amounts received for services rendered to an individual;
- Cooperative Research and Development Agreements;
- an agreement that provides only direct cash assistance to an individual;
- a subsidy;
- a loan;
- a loan guarantee; or
- insurance.

"Illinois Stop Payment List" has the same meaning as in 44 Ill. Admin. Code 7000.30.

"Unallowable Cost" has the same meaning as in 44 Ill. Admin. Code 7000.30.

"Unique Entity Identifier" or "UEI" has the same meaning as in 44 Ill. Admin. Code 7000.30.

ARTICLE II AWARD INFORMATION

2.1. Term. This Agreement is effective on **11/01/2024** and expires on **10/31/2026** (the Term), unless terminated pursuant to this Agreement.

2.2. Amount of Agreement. Grant Funds must not exceed **\$30,000,000.00**, of which **\$0.00** are federal funds. Grantee accepts Grantor's payment as specified in this ARTICLE.

2.3. Payment. Payment will be made as follows (see additional payment requirements in ARTICLE IV; additional payment provisions specific to this Award may be included in **PART TWO** or **PART THREE**):

The Award amount listed in Paragraph 2.2 is not a guarantee of payment, and Grantee's receipt of Grant Funds is contingent upon all terms and conditions of this Agreement.

Variable Advance/Remainder based on cash needs/reimbursement (Not to Exceed 30% Advance)

The Grantor shall authorize an initial disbursement in an amount sufficient to address the Grantee's immediate cash needs according to their reported and Grantor approved obligations. Thereafter, the payments may be made for the dual purpose of reimbursing for expenditures incurred as well as documented cash needs of the Grantee as approved by the Grantor.

2.4. Award Identification Numbers. If applicable, the Federal Award Identification Number (FAIN) is **N/A**, the federal awarding agency is **N/A**, and the Federal Award date is **N/A**. If applicable, the Assistance Listing Program Title is **N/A** and Assistance Listing Number is **N/A**. The Catalog of State Financial Assistance (CSFA) Number is 420-00-2762 and the CSFA Name is Installation and/or Replacement of Utilities. If applicable, the State Award Identification Number (SAIN) is 2762-54538.

ARTICLE III GRANTEE CERTIFICATIONS AND REPRESENTATIONS

3.1. Registration Certification. Grantee certifies that: (i) it is registered with SAM and **W2VMR6ZKNT21** is Grantee's correct UEI; (ii) it is in good standing with the Illinois Secretary of State, if applicable; and (iii) Grantee has successfully completed the annual registration and prequalification through the Grantee Portal.

Grantee must remain current with these registrations and requirements. If Grantee's status with regard to any of these requirements changes, or the certifications made in and information provided in the uniform grant application changes, Grantee must notify Grantor in accordance with ARTICLE XV.

3.2. Tax Identification Certification. Grantee certifies that: **366006600** is Grantee's correct federal employer identification number (FEIN) or Social Security Number. Grantee further certifies, if applicable: (a) that Grantee is not subject to backup withholding because (i) Grantee is exempt from backup withholding, or (ii) Grantee has not been notified by the Internal Revenue Service (IRS) that Grantee is subject to backup withholding as a result of a failure to report all interest or dividends, or (iii) the IRS has notified Grantee that Grantee is no longer subject to backup withholding; and (b) Grantee is a U.S. citizen or other U.S. person. Grantee is doing business as a (check one):

☐ Individual	☐ Pharmacy-Non Corporate
☐ Sole Proprietorship	☐ Pharmacy/Funeral Home/Cemetery Corp.
☐ Partnership	☐ Tax Exempt
☐ Corporation (includes Not For Profit)	☐ Limited Liability Company (select applicable tax classification)
☐ Medical Corporation	
☒ Governmental Unit	☐ P = partnership
☐ Estate or Trust	☐ C = corporation

If Grantee has not received a payment from the State of Illinois in the last two years, Grantee must submit a W-9 tax form with this Agreement.

3.3. Compliance with Uniform Grant Rules. Grantee certifies that it must adhere to the applicable Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards, which are published in Title 2, Part 200 of the Code of Federal Regulations (2 CFR Part 200) and are incorporated herein by reference. 44 Ill. Admin. Code 7000.40(c)(1)(A). The requirements of 2 CFR Part 200 apply to the Grant Funds awarded through this Agreement, regardless of whether the original source of the funds is State or federal, unless an exception is noted in federal or State statutes or regulations. 30 ILCS 708/5(b).

3.4. **Representations and Use of Funds.** Grantee certifies under oath that (1) all representations made in this Agreement are true and correct and (2) all Grant Funds awarded pursuant to this Agreement must be used only for the purpose(s) described herein. Grantee acknowledges that the Award is made solely upon this certification and that any false statements, misrepresentations, or material omissions will be the basis for immediate termination of this Agreement and repayment of all Grant Funds.

3.5. **Specific Certifications.** Grantee is responsible for compliance with the enumerated certifications in this Paragraph to the extent that the certifications apply to Grantee.

(a) **Bribery.** Grantee certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois, nor made an admission of guilt of such conduct which is a matter of record.

(b) **Bid Rigging.** Grantee certifies that it has not been barred from contracting with a unit of State or local government as a result of a violation of Paragraph 33E-3 or 33E-4 of the Criminal Code of 2012 (720 ILCS 5/33E-3 or 720 ILCS 5/33E-4, respectively).

(c) **Debt to State.** Grantee certifies that neither it, nor its affiliate(s), is/are barred from receiving an Award because Grantee, or its affiliate(s), is/are delinquent in the payment of any debt to the State, unless Grantee, or its affiliate(s), has/have entered into a deferred payment plan to pay off the debt.

(d) **International Boycott.** Grantee certifies that neither it nor any substantially owned affiliated company is participating or will participate in an international boycott in violation of the provision of the Anti-Boycott Act of 2018, Part II of the Export Control Reform Act of 2018 (50 USC 4841 through 4843), and the anti-boycott provisions set forth in Part 760 of the federal Export Administration Regulations (15 CFR Parts 730 through 774).

(e) **Discriminatory Club Dues or Fees.** Grantee certifies that it is not prohibited from receiving an Award because it pays dues or fees on behalf of its employees or agents, or subsidizes or otherwise reimburses employees or agents for payment of their dues or fees to any club which unlawfully discriminates (775 ILCS 25/2).

(f) **Pro-Children Act.** Grantee certifies that it is in compliance with the Pro-Children Act of 2001 in that it prohibits smoking in any portion of its facility used for the provision of health, day care, early childhood development services, education or library services to children under the age of eighteen (18) (except such portions of the facilities which are used for inpatient substance abuse treatment) (20 USC 7181-7184).

(g) **Drug-Free Workplace.** If Grantee is not an individual, Grantee certifies it will provide a drug free workplace pursuant to the Drug Free Workplace Act. 30 ILCS 580/3. If Grantee is an individual and this Agreement is valued at more than \$5,000, Grantee certifies it will not engage in the unlawful manufacture, distribution, dispensation, possession, or use of a controlled substance during the performance of the Agreement. 30 ILCS 580/4. Grantee further certifies that if it is a recipient of federal pass-through funds, it is in compliance with the government-wide requirements for a drug-free workplace as set forth in 41 USC 8103.

(h) **Motor Voter Law.** Grantee certifies that it is in full compliance with the terms and provisions of the National Voter Registration Act of 1993 (52 USC 20501 et seq.).

(i) **Clean Air Act and Clean Water Act.** Grantee certifies that it is in compliance with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 USC 7401 et seq.) and the Federal Water Pollution Control Act, as amended (33 USC 1251 et seq.).

(j) **Debarment.** Grantee certifies that it is not debarred, suspended, proposed for debarment or permanent inclusion on the Illinois Stop Payment List, declared ineligible, or voluntarily excluded from participation in this Agreement by any federal department or agency (2 CFR 200.205(a)), or by the State (30 ILCS 708/25(6)(G)).

(k) **Non-procurement Debarment and Suspension.** Grantee certifies that it is in compliance with Subpart C of 2 CFR Part 180 as supplemented by 2 CFR Part 376, Subpart C.

(l) **Health Insurance Portability and Accountability Act.** Grantee certifies that it is in compliance with the Health Insurance Portability and Accountability Act of 1996 (HIPAA) (Public Law No. 104-191, 45 CFR Parts 160, 162 and 164, and the Social Security Act, 42 USC 1320d-2 through 1320d-7), in that it may not use or disclose protected health information other than as permitted or required by law and agrees to use appropriate safeguards to prevent use or disclosure of the protected health information. Grantee must maintain, for a minimum of six (6) years, all protected health information.

(m) **Criminal Convictions.** Grantee certifies that:

(i) Neither it nor a managerial agent of Grantee (for non-governmental grantees only, this includes any officer, director or partner of Grantee) has been convicted of a felony under the Sarbanes-Oxley Act of 2002, nor a Class 3 or Class 2 felony under Illinois Securities Law of 1953, or that at least five (5) years have passed since the date of the conviction; and

(ii) It must disclose to Grantor all violations of criminal law involving fraud, bribery or gratuity violations potentially affecting this Award. Failure to disclose may result in remedial actions as stated in the Grant Accountability and Transparency Act. 30 ILCS 708/40. Additionally, if Grantee receives over \$10 million in total federal Financial Assistance, during the period of this Award, Grantee must maintain the currency of information reported to SAM regarding civil, criminal or administrative proceedings as required by 2 CFR 200.113 and Appendix XII of 2 CFR Part 200, and 30 ILCS 708/40.

(n) **Federal Funding Accountability and Transparency Act of 2006 (FFATA).** Grantee certifies that it is in compliance with the terms and requirements of 31 USC 6101 with respect to Federal Awards greater than or equal to \$30,000. A FFATA subaward report must be filed by the end of the month following the month in which the award was made.

(o) **Illinois Works Review Panel.** For Awards made for public works projects, as defined in the Illinois Works Jobs Program Act, Grantee certifies that it and any contractor(s) or subcontractor(s) that performs work using funds from this Award, must, upon reasonable notice, appear before and respond to requests for information from the Illinois Works Review Panel. 30 ILCS 559/20-25(d).

(p) **Anti-Discrimination.** Grantee certifies that its employees and subcontractors under subcontract made pursuant to this Agreement, must comply with all applicable provisions of State and federal laws and regulations pertaining to nondiscrimination, sexual harassment and equal employment opportunity including, but not limited to: Illinois Human Rights Act (775 ILCS 5/1-101 et seq.), including, without limitation, 44 Ill. Admin. Code 750- Appendix A, which is incorporated herein; Public Works Employment Discrimination Act (775 ILCS 10/1 et seq.); Civil Rights Act of 1964 (as amended) (42 USC 2000a - 2000h-6); Section 504 of the Rehabilitation Act of 1973 (29 USC 794); Americans with Disabilities Act of 1990 (as amended) (42 USC 12101 et seq.); and the Age Discrimination Act of 1975 (42 USC 6101 et seq.).

(q) **Internal Revenue Code and Illinois Income Tax Act.** Grantee certifies that it complies with all provisions of the federal Internal Revenue Code (26 USC 1), the Illinois Income Tax Act (35 ILCS 5),

and all regulations and rules promulgated thereunder, including withholding provisions and timely deposits of employee taxes and unemployment insurance taxes.

ARTICLE IV PAYMENT REQUIREMENTS

4.1. Availability of Appropriation; Sufficiency of Funds. This Agreement is contingent upon and subject to the availability of sufficient funds. Grantor may terminate or suspend this Agreement, in whole or in part, without penalty or further payment being required, if (i) sufficient funds for this Agreement have not been appropriated or otherwise made available to Grantor by the State or the federal funding source, (ii) the Governor or Grantor reserves funds, or (iii) the Governor or Grantor determines that funds will not or may not be available for payment. Grantor must provide notice, in writing, to Grantee of any such funding failure and its election to terminate or suspend this Agreement as soon as practicable. Any suspension or termination pursuant to this Paragraph will be effective upon the date of the written notice unless otherwise indicated.

4.2. Pre-Award Costs. Pre-award costs are not permitted unless specifically authorized by Grantor in Exhibit A, PART TWO or PART THREE of this Agreement. If they are authorized, pre-award costs must be charged to the initial Budget Period of the Award, unless otherwise specified by Grantor. 2 CFR 200.458.

4.3. Return of Grant Funds. Grantee must liquidate all Obligations incurred under the Award within forty-five (45) days of the end of the Period of Performance, or in the case of capital improvement Awards, within forty-five (45) days of the end of the time period the Grant Funds are available for expenditure or obligation, unless Grantor permits a longer period in PART TWO OR PART THREE. Grantee must return to Grantor within forty-five (45) days of the end of the applicable time period as set forth in this Paragraph all remaining Grant Funds that are not expended or legally obligated.

4.4. Cash Management Improvement Act of 1990. Unless notified otherwise in PART TWO or PART THREE, Grantee must manage federal funds received under this Agreement in accordance with the Cash Management Improvement Act of 1990 (31 USC 6501 et seq.) and any other applicable federal laws or regulations. 2 CFR 200.305; 44 Ill. Admin. Code 7000.120.

4.5. Payments to Third Parties. Grantor will have no liability to Grantee when Grantor acts in good faith to redirect all or a portion of any Grantee payment to a third party. Grantor will be deemed to have acted in good faith when it is in possession of information that indicates Grantee authorized Grantor to intercept or redirect payments to a third party or when so ordered by a court of competent jurisdiction.

4.6. Modifications to Estimated Amount. If the Agreement amount is established on an estimated basis, then it may be increased by mutual agreement at any time during the Term. Grantor may decrease the estimated amount of this Agreement at any time during the Term if (i) Grantor believes Grantee will not use the funds during the Term, (ii) Grantor believes Grantee has used Grant Funds in a manner that was not authorized by this Agreement, (iii) sufficient funds for this Agreement have not been appropriated or otherwise made available to Grantor by the State or the federal funding source, (iv) the Governor or Grantor reserves funds, or (v) the Governor or Grantor determines that funds will or may not be available for payment. Grantee will be notified, in writing, of any adjustment of the estimated amount of this Agreement. In the event of such reduction, services provided by Grantee under Exhibit A may be reduced accordingly. Grantor must pay Grantee for work satisfactorily performed prior to the date of the notice regarding adjustment. 2 CFR 200.308.

4.7. Interest.

(a) All interest earned on Grant Funds held by a Grantee will be treated in accordance with 2 CFR 200.305(b)(9), unless otherwise provided in PART TWO or PART THREE. Grantee must remit annually any amount due in accordance with 2 CFR 200.305(b)(9) or to Grantor, as applicable.

(b) Grant Funds must be placed in an insured account, whenever possible, that bears interest, unless exempted under 2 CFR 200.305(b)(8).

4.8. Timely Billing Required. Grantee must submit any payment request to Grantor within fifteen (15) days of the end of the quarter, unless another billing schedule is specified in ARTICLE II, **PART TWO**, or **PART THREE**. Failure to submit such payment request timely will render the amounts billed Unallowable Costs which Grantor cannot reimburse. In the event that Grantee is unable, for good cause, to submit its payment request timely, Grantee shall timely notify Grantor and may request an extension of time to submit the payment request. Grantor's approval of Grantee's request for an extension shall not be unreasonably withheld.

4.9. Certification. Pursuant to 2 CFR 200.415, each invoice and report submitted by Grantee (or subrecipient) must contain the following certification by an official authorized to legally bind Grantee (or subrecipient):

By signing this report [or payment request or both], I certify to the best of my knowledge and belief that the report [or payment request] is true, complete, and accurate; that the expenditures, disbursements and cash receipts are for the purposes and objectives set forth in the terms and conditions of the State or federal pass-through award; and that supporting documentation has been submitted as required by the grant agreement. I acknowledge that approval for any other expenditure described herein is considered conditional subject to further review and verification in accordance with the monitoring and records retention provisions of the grant agreement. I am aware that any false, fictitious, or fraudulent information, or the omission of any material fact, may subject me to criminal, civil or administrative penalties for fraud, false statements, false claims or otherwise (U.S. Code Title 18, Section 1001 and Title 31, Sections 3729-3730 and 3801-3812; 30 ILCS 708/120).

ARTICLE V SCOPE OF AWARD ACTIVITIES/PURPOSE OF AWARD

5.1. Scope of Award Activities/Purpose of Award. Grantee must perform as described in this Agreement, including as described in **Exhibit A** (Project Description), **Exhibit B** (Deliverables or Milestones), and **Exhibit D** (Performance Measures and Standards), as applicable. Grantee must further comply with all terms and conditions set forth in the Notice of State Award (44 Ill. Admin. Code 7000.360) which is incorporated herein by reference. All Grantor-specific provisions and programmatic reporting required under this Agreement are described in **PART TWO** (Grantor-Specific Terms). All Project-specific provisions and reporting required under this Agreement are described in **PART THREE** (Project-Specific Terms).

5.2. Scope Revisions. Grantee must obtain Prior Approval from Grantor whenever a scope revision is necessary for one or more of the reasons enumerated in 44 Ill. Admin. Code 7000.370(b)(2). All requests for scope revisions that require Grantor approval must be signed by Grantee's authorized representative and submitted to Grantor for approval. Expenditure of funds under a requested revision is prohibited and will not be reimbursed if expended before Grantor gives written approval. 2 CFR 200.308.

5.3. Specific Conditions. If applicable, specific conditions required after a risk assessment are included in **Exhibit E**. Grantee must adhere to the specific conditions listed therein. 44 Ill. Admin. Code 7000.340(e).

ARTICLE VI BUDGET

6.1. Budget. The Budget submitted by Grantee at application, or a revised Budget subsequently submitted and approved by Grantor, is considered final and is incorporated herein by reference.

6.2. Budget Revisions. Grantee must obtain Prior Approval, whether mandated or discretionary, from Grantor whenever a Budget revision is necessary for one or more of the reasons enumerated in 44 Ill. Admin. Code 7000.370(b). All requests for Budget revisions that require Grantor approval must be signed by Grantee's authorized representative and submitted to Grantor for approval. Expenditure of funds under a requested revision is prohibited and will not be reimbursed if expended before Grantor gives written approval.

6.3. Notification. Within thirty (30) calendar days from the date of receipt of the request for Budget revisions, Grantor will review the request and notify Grantee whether the Budget revision has been approved, denied, or the date upon which a decision will be reached. 44 Ill. Admin. Code 7000.370(b)(7).

ARTICLE VII ALLOWABLE COSTS

7.1. Allowability of Costs; Cost Allocation Methods. The allowability of costs and cost allocation methods for work performed under this Agreement will be determined in accordance with 2 CFR Part 200 Subpart E and Appendices III, IV, V, and VII.

7.2. Indirect Cost Rate Submission.

(a) All grantees, except for Local Education Agencies (as defined in 34 CFR 77.1), must make an Indirect Cost Rate election in the Grantee Portal, even grantees that do not charge or expect to charge Indirect Costs. 44 Ill. Admin. Code 7000.420(e).

(i) Waived and de minimis Indirect Cost Rate elections will remain in effect until Grantee elects a different option.

(b) Grantee must submit an Indirect Cost Rate Proposal in accordance with federal and State regulations, in a format prescribed by Grantor. For grantees who have never negotiated an Indirect Cost Rate before, the Indirect Cost Rate Proposal must be submitted for approval no later than three months after the effective date of the Award. For grantees who have previously negotiated an Indirect Cost Rate, the Indirect Cost Rate Proposal must be submitted for approval within 180 days of Grantee's fiscal year end, as dictated in the applicable appendices, such as:

(i) Appendix VII to 2 CFR Part 200 governs Indirect Cost Rate Proposals for state and Local Governments and Indian Tribes,

(ii) Appendix III to 2 CFR Part 200 governs Indirect Cost Rate Proposals for public and private institutions of higher education,

(iii) Appendix IV to 2 CFR Part 200 governs Indirect (F&A) Costs Identification and Assignment, and Rate Determination for Nonprofit Organizations, and

(iv) Appendix V to 2 CFR Part 200 governs state/Local Governmentwide Central Service Cost Allocation Plans.

(c) A grantee who has a current, applicable rate negotiated by a cognizant federal agency must provide to Grantor a copy of its Indirect Cost Rate acceptance letter from the federal government and a copy of all documentation regarding the allocation methodology for costs used to negotiate that rate, e.g., without limitation, the cost policy statement or disclosure narrative statement. Grantor will accept that Indirect Cost Rate, up to any statutory, rule-based or programmatic limit.

(d) A grantee who does not have a current negotiated rate, may elect to charge the *de minimis* rate as set forth in 2 CFR 200.414(f), which may be used indefinitely. No documentation is required to justify the *de minimis* Indirect Cost Rate. 2 CFR 200.414(f).

7.3. Transfer of Costs. Cost transfers between Grants, whether as a means to compensate for cost overruns or for other reasons, are unallowable. 2 CFR 200.451.

7.4. Commercial Organization Cost Principles. The federal cost principles and procedures for cost analysis and the determination, negotiation and allowance of costs that apply to commercial organizations are set forth in 48 CFR Part 31.

7.5. Financial Management Standards. The financial management systems of Grantee must meet the following standards:

(a) **Accounting System.** Grantee organizations must have an accounting system that provides accurate, current, and complete disclosure of all financial transactions related to each state- and federally-funded Program. Accounting records must contain information pertaining to State and federal pass-through awards, authorizations, Obligations, unobligated balances, assets, outlays, and income. These records must be maintained on a current basis and balanced at least quarterly. Cash contributions to the Program from third parties must be accounted for in the general ledger with other Grant Funds. Third party in-kind (non-cash) contributions are not required to be recorded in the general ledger, but must be under accounting control, possibly through the use of a memorandum ledger. To comply with 2 CFR 200.305(b)(7)(i) and 30 ILCS 708/97, Grantee must use reasonable efforts to ensure that funding streams are delineated within Grantee's accounting system. 2 CFR 200.302.

(b) **Source Documentation.** Accounting records must be supported by such source documentation as canceled checks, bank statements, invoices, paid bills, donor letters, time and attendance records, activity reports, travel reports, contractual and consultant agreements, and subaward documentation. All supporting documentation must be clearly identified with the Award and general ledger accounts which are to be charged or credited.

(i) The documentation standards for salary charges to Grants are prescribed by 2 CFR 200.430, and in the cost principles applicable to the Grantee's organization.

(ii) If records do not meet the standards in 2 CFR 200.430, then Grantor may notify Grantee in **PART TWO, PART THREE** or **Exhibit E** of the requirement to submit personnel activity reports. 2 CFR 200.430(i)(8). Personnel activity reports must account on an after-the-fact basis for one hundred percent (100%) of the employee's actual time, separately indicating the time spent on the Award, other grants or projects, vacation or sick leave, and administrative time, if applicable. The reports must be signed by the employee, approved by the appropriate official, and coincide with a pay period. These time records must be used to record the distribution of salary costs to the appropriate accounts no less frequently than quarterly.

(iii) Formal agreements with independent contractors, such as consultants, must include a description of the services to be performed, the period of performance, the fee and method of payment, an itemization of travel and other costs which are chargeable to the agreement, and the signatures of both the contractor and an appropriate official of Grantee.

(iv) If third party in-kind (non-cash) contributions are used for Award purposes, the valuation of these contributions must be supported with adequate documentation.

(c) **Internal Control.** Grantee must maintain effective control and accountability for all cash, real and personal property, and other assets. Grantee must adequately safeguard all such property and must provide assurance that it is used solely for authorized purposes. Grantee must also have systems in place that provide reasonable assurance that the information is accurate, allowable, and compliant with the terms and conditions of this Agreement. 2 CFR 200.303.

(d) **Budget Control.** Grantee must maintain records of expenditures for each Award by the cost categories of the approved Budget (including Indirect Costs that are charged to the Award), and actual expenditures are to be compared with budgeted amounts at least quarterly.

(e) **Cash Management.** Requests for advance payment must be limited to Grantee's immediate cash needs. Grantee must have written procedures to minimize the time elapsing between the receipt and the disbursement of Grant Funds to avoid having excess funds on hand. 2 CFR 200.305.

7.6. Profits. It is not permitted for any person or entity to earn a Profit from an Award. See, e.g., 2 CFR 200.400(g); see also 30 ILCS 708/60(a)(7).

7.7. Management of Program Income. Grantee is encouraged to earn income to defray Program Costs where appropriate, subject to 2 CFR 200.307.

ARTICLE VIII LOBBYING

8.1. Improper Influence. Grantee certifies that it will not use and has not used Grant Funds to influence or attempt to influence an officer or employee of any government agency or a member or employee of the State or federal legislature in connection with the awarding of any agreement, the making of any grant, the making of any loan, the entering into of any cooperative agreement, or the extension, continuation, renewal, amendment or modification of any agreement, grant, loan or cooperative agreement. Additionally, Grantee certifies that it has filed the required certification under the Byrd Anti-Lobbying Amendment (31 USC 1352), if applicable.

8.2. Federal Form LLL. If any federal funds, other than federally-appropriated funds, were paid or will be paid to any person for influencing or attempting to influence any of the above persons in connection with this Agreement, the undersigned must also complete and submit Federal Form LLL, Disclosure of Lobbying Activities Form, in accordance with its instructions.

8.3. Lobbying Costs. Grantee certifies that it is in compliance with the restrictions on lobbying set forth in 2 CFR 200.450. For any Indirect Costs associated with this Agreement, total lobbying costs must be separately identified in the Program Budget, and thereafter treated as other Unallowable Costs.

8.4. Procurement Lobbying. Grantee warrants and certifies that it and, to the best of its knowledge, its subrecipients have complied and will comply with Illinois Executive Order No. 1 (2007) (EO 1-2007). EO 1-2007 generally prohibits grantees and subcontractors from hiring the then-serving Governor's family members to lobby procurement activities of the State, or any other unit of government in Illinois including local governments, if that procurement may result in a contract valued at over \$25,000. This prohibition also applies to hiring for that same purpose any former State employee who had procurement authority at any time during the one-year period preceding the procurement lobbying activity.

8.5. Subawards. Grantee must include the language of this ARTICLE in the award documents for any subawards made pursuant to this Award at all tiers. All subrecipients are also subject to certification and disclosure. Pursuant to Appendix II(I) to 2 CFR Part 200, Grantee must forward all disclosures by contractors regarding this certification to Grantor.

8.6. Certification. This certification is a material representation of fact upon which reliance was placed to enter into this transaction and is a prerequisite for this transaction, pursuant to 31 USC 1352. Any person who fails to file the required certifications will be subject to a civil penalty of not less than \$10,000, and not more than \$100,000, for each such failure.

**ARTICLE IX
MAINTENANCE AND ACCESSIBILITY OF RECORDS; MONITORING**

9.1. Records Retention. Grantee must maintain for three (3) years from the date of submission of the final expenditure report, adequate books, all financial records and, supporting documents, statistical records, and all other records pertinent to this Award, adequate to comply with 2 CFR 200.334, unless a different retention period is specified in 2 CFR 200.334, 44 Ill. Admin. Code 7000.430(a) and (b) or **PART TWO** or **PART THREE**. If any litigation, claim or audit is started before the expiration of the retention period, the records must be retained until all litigation, claims or audit exceptions involving the records have been resolved and final action taken.

9.2. Accessibility of Records. Grantee, in compliance with 2 CFR 200.337 and 44 Ill. Admin. Code 7000.430(f), must make books, records, related papers, supporting documentation and personnel relevant to this Agreement available to authorized Grantor representatives, the Illinois Auditor General, Illinois Attorney General, any Executive Inspector General, Grantor's Inspector General, federal authorities, any person identified in 2 CFR 200.337, and any other person as may be authorized by Grantor (including auditors), by the State of Illinois or by federal statute. Grantee must cooperate fully in any such audit or inquiry.

9.3. Failure to Maintain Books and Records. Failure to maintain adequate books, records and supporting documentation, as described in this ARTICLE, will result in the disallowance of costs for which there is insufficient supporting documentation and also establishes a presumption in favor of the State for the recovery of any Grant Funds paid by the State under this Agreement for which adequate books, records and supporting documentation are not available to support disbursement.

9.4. Monitoring and Access to Information. Grantee must monitor its activities to assure compliance with applicable state and federal requirements and to assure its performance expectations are being achieved. Grantor will monitor the activities of Grantee to assure compliance with all requirements, including appropriate programmatic rules, regulations, and guidelines that the Grantor promulgates or implements, and performance expectations of the Award. Grantee must timely submit all financial and performance reports, and must supply, upon Grantor's request, documents and information relevant to the Award. Grantor may make site visits as warranted by Program needs. 2 CFR 200.329; 200.332. Additional monitoring requirements may be in **PART TWO** or **PART THREE**.

**ARTICLE X
FINANCIAL REPORTING REQUIREMENTS**

10.1. Required Periodic Financial Reports. Grantee must submit financial reports as requested and in the format required by Grantor no later than the dues date(s) specified in **PART TWO** or **PART THREE**. Grantee must submit quarterly reports with Grantor describing the expenditure(s) of the funds related thereto, unless more frequent reporting is required by the Grantee due to the funding source or pursuant to specific award conditions. 2 CFR 200.208. Any report required by 30 ILCS 708/125 may be detailed in **PART TWO** or **PART THREE**.

10.2. Financial Close-out Report.

(a) Grantee must submit a financial Close-out Report, in the format required by Grantor, by the due date specified in **PART TWO** or **PART THREE**, which must be no later than sixty (60) calendar days following the end of the Period of Performance for this Agreement or Agreement termination. The format of this financial Close-out Report must follow a format prescribed by Grantor. 2 CFR 200.344; 44 Ill. Admin. Code 7000.440(b).

(b) If an audit or review of Grantee occurs and results in adjustments after Grantee submits a Close-out Report, Grantee must submit a new financial Close-out Report based on audit adjustments, and immediately submit a refund to Grantor, if applicable. 2 CFR 200.345; 44 Ill. Admin. Code 7000.450.

10.3. Effect of Failure to Comply. Failure to comply with the reporting requirements in this Agreement may cause a delay or suspension of funding or require the return of improper payments or Unallowable Costs, and will be considered a material breach of this Agreement. Grantee's failure to comply with ARTICLE X, ARTICLE XI, or ARTICLE XVII will be considered prima facie evidence of a breach and may be admitted as such, without further proof, into evidence in an administrative proceeding before Grantor, or in any other legal proceeding. Grantee should refer to the State Grantee Compliance Enforcement System for policy and consequences for failure to comply. 44 Ill. Admin. Code 7000.80.

ARTICLE XI PERFORMANCE REPORTING REQUIREMENTS

11.1. Required Periodic Performance Reports. Grantee must submit performance reports as requested and in the format required by Grantor no later than the due date(s) specified in PART TWO or PART THREE. 44 Ill. Admin. Code 7000.410. Grantee must report to Grantor on the performance measures listed in Exhibit D, PART TWO or PART THREE at the intervals specified by Grantor, which must be no less frequent than annually and no more frequent than quarterly, unless otherwise specified in PART TWO, PART THREE, or Exhibit E pursuant to specific award conditions. For certain construction-related Awards, such reports may be exempted as identified in PART TWO or PART THREE. 2 CFR 200.329.

11.2. Performance Close-out Report. Grantee must submit a performance Close-out Report, in the format required by Grantor by the due date specified in PART TWO or PART THREE, which must be no later than 60 calendar days following the end of the Period of Performance or Agreement termination. 2 CFR 200.344; 44 Ill. Admin. Code 7000.440(b).

11.3. Content of Performance Reports. Pursuant to 2 CFR 200.329(b) and (c), all performance reports must relate the financial data and accomplishments to the performance goals and objectives of this Award and also include the following: a comparison of actual accomplishments to the objectives of the Award established for the period; where the accomplishments can be quantified, a computation of the cost and demonstration of cost effective practices (e.g., through unit cost data); performance trend data and analysis if required; and reasons why established goals were not met, if appropriate. Additional content and format guidelines for the performance reports will be determined by Grantor contingent on the Award's statutory, regulatory and administrative requirements, and are included in PART TWO or PART THREE of this Agreement.

ARTICLE XII AUDIT REQUIREMENTS

12.1. Audits. Grantee is subject to the audit requirements contained in the Single Audit Act Amendments of 1996 (31 USC 7501-7507), Subpart F of 2 CFR Part 200, and the audit rules and policies set forth by the Governor's Office of Management and Budget. 30 ILCS 708/65(c); 44 Ill. Admin. Code 7000.90.

12.2. Consolidated Year-End Financial Reports (CYEFR). All grantees must complete and submit a CYEFR through the Grantee Portal, except those exempted by federal or State statute or regulation, as set forth in PART TWO or PART THREE. The CYEFR is a required schedule in Grantee's audit report if Grantee is required to complete and submit an audit report as set forth herein.

(a) Grantee's CYEFR must cover the same period as the audited financial statements, if required, and must be submitted in accordance with the audit schedule at 44 Ill. Admin. Code 7000.90. If

Grantee is not required to complete audited financial statements, the CYEFR must cover Grantee's fiscal year and must be submitted within 6 months of the Grantee's fiscal year-end.

(b) The CYEFR must include an in relation to opinion from the auditor of the financial statements included in the audit.

(c) The CYEFR must follow a format prescribed by Grantor.

12.3. Entities That Are Not "For-Profit".

(a) This Paragraph applies to Grantees that are not "for-profit" entities.

(b) Single and Program-Specific Audits. If, during its fiscal year, Grantee expends at least the threshold amount as set out in 2 CFR 200.501(a) in federal Awards (direct federal and federal pass-through awards combined), Grantee must have a single audit or program-specific audit conducted for that year as required by 2 CFR 200.501 and other applicable sections of Subpart F of 2 CFR Part 200. The audit report packet must be completed as described in 2 CFR 200.512 (single audit) or 2 CFR 200.507 (program-specific audit), 44 Ill. Admin. Code 7000.90(h)(1) and the current GATA audit manual and submitted to the Federal Audit Clearinghouse, as required by 2 CFR 200.512. The results of peer and external quality control reviews, management letters issued by the auditors and their respective corrective action plans if significant deficiencies or material weaknesses are identified, and the CYEFR(s) must be submitted to the Grantee Portal at the same time the audit report packet is submitted to the Federal Audit Clearinghouse. The due date of all required submissions set forth in this Paragraph is the earlier of (i) thirty (30) calendar days after receipt of the auditor's report(s) or (ii) nine (9) months after the end of Grantee's audit period.

(c) Financial Statement Audit. If, during its fiscal year, Grantee expends less than the threshold amount as set out in 2 CFR 200.501(a) in federal Awards, Grantee is subject to the following audit requirements:

(i) If, during its fiscal year, Grantee expends at least the threshold amount as set out in 44 Ill. Admin. Code 7000.90(c)(1) in State-issued Awards, Grantee must have a financial statement audit conducted in accordance with the Generally Accepted Government Auditing Standards (GAGAS). Grantee may be subject to additional requirements in **PART TWO, PART THREE** or **Exhibit E** based on Grantee's risk profile.

(ii) If, during its fiscal year, Grantee expends less than the threshold amount as set out in 44 Ill. Admin. Code 7000.90(c)(1) in State-issued Awards, but expends at least the threshold amount as set out in 44 Ill. Admin. Code 7000.90(c)(2) in State-issued Awards, Grantee must have a financial statement audit conducted in accordance with the Generally Accepted Auditing Standards (GAAS).

(iii) If Grantee is a Local Education Agency (as defined in 34 CFR 77.1), Grantee must have a financial statement audit conducted in accordance with GAGAS, as required by 23 Ill. Admin. Code 100.110, regardless of the dollar amount of expenditures of State-issued Awards.

(iv) If Grantee does not meet the requirements in subsections 12.3(b) and 12.3(c)(i-iii) but is required to have a financial statement audit conducted based on other regulatory requirements, Grantee must submit those audits for review.

(v) Grantee must submit its financial statement audit report packet, as set forth in 44 Ill. Admin. Code 7000.90(h)(2) and the current GATA audit manual, to the Grantee Portal within the earlier of (i) thirty (30) calendar days after receipt of the auditor's report(s) or (ii) six (6) months after the end of Grantee's audit period.

12.4. "For-Profit" Entities.

(a) This Paragraph applies to Grantees that are "for-profit" entities.

(b) **Program-Specific Audit.** If, during its fiscal year, Grantee expends at least the threshold amount as set out in 2 CFR 200.501(a) in federal pass-through funds from State-issued Awards, Grantee must have a program-specific audit conducted in accordance with 2 CFR 200.507. The auditor must audit federal pass-through programs with federal pass-through Awards expended that, in the aggregate, cover at least 50 percent (0.50) of total federal pass-through Awards expended. The audit report packet must be completed as described in 2 CFR 200.507 (program-specific audit), 44 Ill. Admin. Code 7000.90 and the current GATA audit manual, and must be submitted to the Grantee Portal. The due date of all required submissions set forth in this Paragraph is the earlier of (i) thirty (30) calendar days after receipt of the auditor's report(s) or (ii) nine (9) months after the end of Grantee's audit period.

(c) **Financial Statement Audit.** If, during its fiscal year, Grantee expends less than the threshold amount as set out in 2 CFR 200.501(a) in federal pass-through funds from State-issued Awards, Grantee must follow all of the audit requirements in Paragraphs 12.3(c)(i)-(v), above.

(d) **Publicly-Traded Entities.** If Grantee is a publicly-traded company, Grantee is not subject to the single audit or program-specific audit requirements, but must submit its annual audit conducted in accordance with its regulatory requirements.

12.5. **Performance of Audits.** For those organizations required to submit an independent audit report, the audit must be conducted by the Illinois Auditor General (as required for certain governmental entities only), or a Certified Public Accountant or Certified Public Accounting Firm licensed in the State of Illinois or in accordance with Section 5.2 of the Illinois Public Accounting Act (225 ILCS 450/5.2). For all audits required to be performed subject to GAGAS or Generally Accepted Auditing Standards, Grantee must request and maintain on file a copy of the auditor's most recent peer review report and acceptance letter. Grantee must follow procedures prescribed by Grantor for the preparation and submission of audit reports and any related documents.

12.6. **Delinquent Reports.** When audit reports or financial statements required under this ARTICLE are prepared by the Illinois Auditor General, if they are not available by the above-specified due date, they must be provided to Grantor within thirty (30) days of becoming available. Grantee should refer to the State Grantee Compliance Enforcement System for the policy and consequences for late reporting. 44 Ill. Admin. Code 7000.80.

ARTICLE XIII TERMINATION; SUSPENSION; NON-COMPLIANCE

13.1. **Termination.**

(a) Either Party may terminate this Agreement, in whole or in part, upon thirty (30) calendar days' prior written notice to the other Party.

(b) If terminated by the Grantee, Grantee must include the reasons for such termination, the effective date, and, in the case of a partial termination, the portion to be terminated. If Grantor determines in the case of a partial termination that the reduced or modified portion of the Award will not accomplish the purposes for which the Award was made, Grantor may terminate the Agreement in its entirety. 2 CFR 200.340(a)(4).

(c) This Agreement may be terminated, in whole or in part, by Grantor:

(i) Pursuant to a funding failure under Paragraph 4.1;

(ii) If Grantee fails to comply with the terms and conditions of this or any Award, application or proposal, including any applicable rules or regulations, or has made a false representation in connection with the receipt of this or any Award; or

(iii) If the Award no longer effectuates the Program goals or agency priorities as set forth in **Exhibit A, PART TWO** or **PART THREE**.

13.2. **Suspension.** Grantor may suspend this Agreement, in whole or in part, pursuant to a funding failure under Paragraph 4.1 or if the Grantee fails to comply with terms and conditions of this or any Award. If suspension is due to Grantee's failure to comply, Grantor may withhold further payment and prohibit Grantee from incurring additional Obligations pending corrective action by Grantee or a decision to terminate this Agreement by Grantor. Grantor may allow necessary and proper costs that Grantee could not reasonably avoid during the period of suspension.

13.3. **Non-compliance.** If Grantee fails to comply with the U.S. Constitution, applicable statutes, regulations or the terms and conditions of this or any Award, Grantor may impose additional conditions on Grantee, as described in 2 CFR 200.208. If Grantor determines that non-compliance cannot be remedied by imposing additional conditions, Grantor may take one or more of the actions described in 2 CFR 200.339. The Parties must follow all Grantor policies and procedures regarding non-compliance, including, but not limited to, the procedures set forth in the State Grantee Compliance Enforcement System. 44 Ill. Admin. Code 7000.80 and 7000.260.

13.4. **Objection.** If Grantor suspends or terminates this Agreement, in whole or in part, for cause, or takes any other action in response to Grantee's non-compliance, Grantee may avail itself of any opportunities to object and challenge such suspension, termination or other action by Grantor in accordance with any applicable processes and procedures, including, but not limited to, the procedures set forth in the State Grantee Compliance Enforcement System. 2 CFR 200.342; 44 Ill. Admin. Code 7000.80 and 7000.260.

13.5. **Effects of Suspension and Termination.**

(a) Grantor may credit Grantee for allowable expenditures incurred in the performance of authorized services under this Agreement prior to the effective date of a suspension or termination.

(b) Except as set forth in subparagraph (c), below, Grantee must not incur any costs or Obligations that require the use of Grant Funds after the effective date of a suspension or termination, and must cancel as many outstanding Obligations as possible.

(c) Costs to Grantee resulting from Obligations incurred by Grantee during a suspension or after termination of the Agreement are not allowable unless Grantor expressly authorizes them in the notice of suspension or termination or subsequently. However, Grantor may allow costs during a suspension or after termination if:

(i) The costs result from Obligations properly incurred before the effective date of suspension or termination, are not in anticipation of the suspension or termination, and the costs would be allowable if the Agreement was not suspended or terminated prematurely. 2 CFR 200.343.

13.6. **Close-out of Terminated Agreements.** If this Agreement is terminated, in whole or in part, the Parties must comply with all close-out and post-termination requirements of this Agreement. 2 CFR 200.340(d).

**ARTICLE XIV
SUBCONTRACTS/SUBAWARDS**

14.1. Subcontracting/Subrecipients/Delegation. Grantee must not subcontract nor issue a subaward for any portion of this Agreement nor delegate any duties hereunder without Prior Approval of Grantor. The requirement for Prior Approval is satisfied if the subcontractor or subrecipient has been identified in the uniform grant application, such as, without limitation, a Project description, and Grantor has approved. Grantee must notify any potential subrecipient that the subrecipient must obtain and provide to the Grantee a Unique Entity Identifier prior to receiving a subaward. 2 CFR 25.300.

14.2. Application of Terms. If Grantee enters into a subaward agreement with a subrecipient, Grantee must notify the subrecipient of the applicable laws and regulations and terms and conditions of this Award by attaching this Agreement to the subaward agreement. The terms of this Agreement apply to all subawards authorized in accordance with Paragraph 14.1. 2 CFR 200.101(b)(2).

14.3. Liability as Guaranty. Grantee will be liable as guarantor for any Grant Funds it obligates to a subrecipient or subcontractor pursuant to this ARTICLE in the event Grantor determines the funds were either misspent or are being improperly held and the subrecipient or subcontractor is insolvent or otherwise fails to return the funds. 2 CFR 200.345; 30 ILCS 705/6; 44 Ill. Admin. Code 7000.450(a).

ARTICLE XV NOTICE OF CHANGE

15.1. Notice of Change. Grantee must notify Grantor if there is a change in Grantee's legal status, FEIN, UEI, SAM registration status, Related Parties, senior management (for non-governmental grantees only) or address. If the change is anticipated, Grantee must give thirty (30) days' prior written notice to Grantor. If the change is unanticipated, Grantee must give notice as soon as practicable thereafter. Grantor reserves the right to take any and all appropriate action as a result of such change(s).

15.2. Failure to Provide Notification. To the extent permitted by Illinois law (see Paragraph 21.2), Grantee must hold harmless Grantor for any acts or omissions of Grantor resulting from Grantee's failure to notify Grantor as required by Paragraph 15.1.

15.3. Notice of Impact. Grantee must notify Grantor in writing of any event, including, by not limited to, becoming a party to litigation, an investigation, or transaction that may have a material impact on Grantee's ability to perform under this Agreement. Grantee must provide notice to Grantor as soon as possible, but no later than five (5) days after Grantee becomes aware that the event may have a material impact.

15.4. Effect of Failure to Provide Notice. Failure to provide the notice described in this ARTICLE is grounds for termination of this Agreement and any costs incurred after the date notice should have been given may be disallowed.

ARTICLE XVI STRUCTURAL REORGANIZATION AND RECONSTITUTION OF BOARD MEMBERSHIP

16.1. Effect of Reorganization. This Agreement is made by and between Grantor and Grantee, as Grantee is currently organized and constituted. Grantor does not agree to continue this Agreement, or any license related thereto, should Grantee significantly reorganize or otherwise substantially change the character of its corporate structure, business structure or governance structure. Grantee must give Grantor prior notice of any such action or changes significantly affecting its overall structure or, for non-governmental grantees only, management makeup (for example, a merger or a corporate restructuring), and must provide all reasonable documentation necessary for Grantor to review the proposed transaction including financial records and corporate and shareholder minutes of any corporation which may be involved. Grantor reserves the right to terminate the

Agreement based on whether the newly organized entity is able to carry out the requirements of the Award. This ARTICLE does not require Grantee to report on minor changes in the makeup of its board membership or governance structure, as applicable. Nevertheless, **PART TWO** or **PART THREE** may impose further restrictions. Failure to comply with this ARTICLE constitutes a material breach of this Agreement.

ARTICLE XVII CONFLICT OF INTEREST

17.1. Required Disclosures. Grantee must immediately disclose in writing any potential or actual Conflict of Interest to Grantor. 2 CFR 200.113; 30 ILCS 708/35.

17.2. Prohibited Payments. Payments made by Grantor under this Agreement must not be used by Grantee to compensate, directly or indirectly, any person currently holding an elective office in this State including, but not limited to, a seat in the General Assembly. In addition, where Grantee is not an instrumentality of the State of Illinois, as described in this Paragraph, Grantee must request permission from Grantor to compensate, directly or indirectly, any officer or any person employed by an office or agency of the State of Illinois. An instrumentality of the State of Illinois includes, without limitation, State departments, agencies, boards, and State universities. An instrumentality of the State of Illinois does not include, without limitation, units of Local Government and related entities.

17.3. Request for Exemption. Grantee may request written approval from Grantor for an exemption from Paragraph 17.2. Grantee acknowledges that Grantor is under no obligation to provide such exemption and that Grantor may grant an such exemption subject to additional terms and conditions as Grantor may require.

ARTICLE XVIII EQUIPMENT OR PROPERTY

18.1. Purchase of Equipment. For any equipment purchased in whole or in part with Grant Funds, if Grantor determines that Grantee has not met the conditions of 2 CFR 200.439, the costs for such equipment will be disallowed. Grantor must notify Grantee in writing that the purchase of equipment is disallowed.

18.2. Prohibition against Disposition/Encumbrance. Any equipment, material, or real property that Grantee purchases or improves with Grant Funds must not be sold, transferred, encumbered (other than original financing) or otherwise disposed of during the Award Term without Prior Approval of Grantor unless a longer period is required in **PART TWO** or **PART THREE** and permitted by 2 CFR Part 200 Subpart D. Use or disposition of real property acquired or improved using Grant Funds must comply with the requirements of 2 CFR 200.311. Real property, equipment, and intangible property that are acquired or improved in whole or in part using Grant Funds are subject to the provisions of 2 CFR 200.316. Grantor may require the Grantee to record liens or other appropriate notices of record to indicate that personal or real property has been acquired or improved with this Award and that use and disposition conditions apply to the property.

18.3. Equipment and Procurement. Grantee must comply with the uniform standards set forth in 2 CFR 200.310–200.316 governing the management and disposition of property, the cost of which was supported by Grant Funds. Any waiver from such compliance must be granted by either the President’s Office of Management and Budget, the Governor’s Office of Management and Budget, or both, depending on the source of the Grant Funds used. Additionally, Grantee must comply with the standards set forth in 2 CFR 200.317-200.326 to establish procedures to use Grant Funds for the procurement of supplies and other expendable property, equipment, real property and other services.

18.4. Equipment Instructions. Grantee must obtain disposition instructions from Grantor when equipment, purchased in whole or in part with Grant Funds, is no longer needed for their original purpose.

Notwithstanding anything to the contrary contained in this Agreement, Grantor may require transfer of any equipment to Grantor or a third party for any reason, including, without limitation, if Grantor terminates the Award or Grantee no longer conducts Award activities. Grantee must properly maintain, track, use, store and insure the equipment according to applicable best practices, manufacturer's guidelines, federal and state laws or rules, and Grantor requirements stated herein.

18.5. Domestic Preferences for Procurements. In accordance with 2 CFR 200.322, as appropriate and to the extent consistent with law, Grantee must, to the greatest extent practicable under this Award, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). The requirements of this Paragraph must be included in all subawards and in all contracts and purchase orders for work or products under this Award.

ARTICLE XIX PROMOTIONAL MATERIALS; PRIOR NOTIFICATION

19.1. Promotional and Written Materials. Use of Grant Funds for promotions is subject to the prohibitions for advertising or public relations costs in 2 CFR 200.421(e). In the event that Grant Funds are used in whole or in part to produce any written publications, announcements, reports, flyers, brochures or other written materials, Grantee must obtain Prior Approval for the use of those funds (2 CFR 200.467) and must include in these publications, announcements, reports, flyers, brochures and all other such material, the phrase "Funding provided in whole or in part by the [Grantor]." 2 CFR 200.467. Exceptions to this requirement must be requested, in writing, from Grantor and will be considered authorized only upon written notice thereof to Grantee.

19.2. Prior Notification/Release of Information. Grantee must notify Grantor ten (10) days prior to issuing public announcements or press releases concerning work performed pursuant to this Agreement, or funded in whole or in part by this Agreement, and must cooperate with Grantor in joint or coordinated releases of information.

ARTICLE XX INSURANCE

20.1. Maintenance of Insurance. Grantee must maintain in full force and effect during the Term of this Agreement casualty and bodily injury insurance, as well as insurance sufficient to cover the replacement cost of any and all real or personal property, or both, purchased or, otherwise acquired, or improved in whole or in part, with funds disbursed pursuant to this Agreement. 2 CFR 200.310. Additional insurance requirements may be detailed in **PART TWO** or **PART THREE**.

20.2. Claims. If a claim is submitted for real or personal property, or both, purchased in whole with funds from this Agreement and such claim results in the recovery of money, such money recovered must be surrendered to Grantor.

ARTICLE XXI LAWSUITS AND INDEMNIFICATION

21.1. Independent Contractor. Neither Grantee nor any employee or agent of Grantee acquires any employment rights with Grantor by virtue of this Agreement. Grantee must provide the agreed services and achieve the specified results free from the direction or control of Grantor as to the means and methods of performance. Grantee must provide its own equipment and supplies necessary to conduct its business; provided, however, that in the event, for its convenience or otherwise, Grantor makes any such equipment or supplies

available to Grantee, Grantee's use of such equipment or supplies provided by Grantor pursuant to this Agreement is strictly limited to official Grantor or State of Illinois business and not for any other purpose, including any personal benefit or gain.

21.2. Indemnification and Liability.

(a) Non-governmental entities. This subparagraph applies only if Grantee is a non-governmental entity. Grantee must hold harmless Grantor against any and all liability, loss, damage, cost or expenses, including attorneys' fees, arising from the intentional torts, negligence or breach of contract of Grantee, with the exception of acts performed in conformance with an explicit, written directive of Grantor. Indemnification by Grantor is governed by the State Employee Indemnification Act (5 ILCS 350/.01 et seq.) as interpreted by the Illinois Attorney General. Grantor makes no representation that Grantee, an independent contractor, will qualify or be eligible for indemnification under said Act.

(b) Governmental entities. This subparagraph applies only if Grantee is a governmental unit as designated in Paragraph 3.2. Neither Party shall be liable for actions chargeable to the other Party under this Agreement including, but not limited to, the negligent acts and omissions of the other Party's agents, employees or subcontractors in the performance of their duties as described under this Agreement, unless such liability is imposed by law. This Agreement is not construed as seeking to enlarge or diminish any obligation or duty owed by one Party against the other or against a third party.

**ARTICLE XXII
MISCELLANEOUS**

22.1. Gift Ban. Grantee is prohibited from giving gifts to State employees pursuant to the State Officials and Employees Ethics Act (5 ILCS 430/10-10) and Illinois Executive Order 15-09.

22.2. Assignment Prohibited. This Agreement must not be sold, assigned, or transferred in any manner by Grantee, to include an assignment of Grantee's rights to receive payment hereunder, and any actual or attempted sale, assignment, or transfer by Grantee without the Prior Approval of Grantor in writing renders this Agreement null, void and of no further effect.

22.3. Copies of Agreements upon Request. Grantee must, upon request by Grantor, provide Grantor with copies of contracts or other agreements to which Grantee is a party with any other State agency.

22.4. Amendments. This Agreement may be modified or amended at any time during its Term by mutual consent of the Parties, expressed in writing and signed by the Parties.

22.5. Severability. If any provision of this Agreement is declared invalid, its other provisions will remain in effect.

22.6. No Waiver. The failure of either Party to assert any right or remedy pursuant to this Agreement will not be construed as a waiver of either Party's right to assert such right or remedy at a later time or constitute a course of business upon which either Party may rely for the purpose of denial of such a right or remedy.

22.7. Applicable Law; Claims. This Agreement and all subsequent amendments thereto, if any, are governed and construed in accordance with the laws of the State of Illinois. Any claim against Grantor arising out of this Agreement must be filed exclusively with the Illinois Court of Claims. 705 ILCS 505/1 et seq. Grantor does not waive sovereign immunity by entering into this Agreement.

22.8. Compliance with Law. Grantee is responsible for ensuring that Grantee's Obligations and services hereunder are performed in compliance with all applicable federal and State laws, including, without limitation,

federal regulations, State administrative rules, including but not limited to 44 Ill. Admin. Code Part 7000, laws and rules which govern disclosure of confidential records or other information obtained by Grantee concerning persons served under this Agreement, and any license requirements or professional certification provisions.

22.9. Compliance with Freedom of Information Act. Upon request, Grantee must make available to Grantor all documents in its possession that Grantor deems necessary to comply with requests made under the Freedom of Information Act. 5 ILCS 140/7(2).

22.10. Precedence.

(a) Except as set forth in subparagraph (b), below, the following rules of precedence are controlling for this Agreement: In the event there is a conflict between this Agreement and any of the exhibits or attachments hereto, this Agreement controls. In the event there is a conflict between **PART ONE** and **PART TWO** or **PART THREE** of this Agreement, **PART ONE** controls. In the event there is a conflict between **PART TWO** and **PART THREE** of this Agreement, **PART TWO** controls. In the event there is a conflict between this Agreement and relevant statute(s) or rule(s), the relevant statute(s) or rule(s) controls.

(b) Notwithstanding the provisions in subparagraph (a), above, if a relevant federal or state statute(s) or rule(s) requires an exception to this Agreement's provisions, or an exception to a requirement in this Agreement is granted by GATU, such exceptions must be noted in **PART TWO** or **PART THREE**, and in such cases, those requirements control.

22.11. Illinois Grant Funds Recovery Act. In the event of a conflict between the Illinois Grant Funds Recovery Act and the Grant Accountability and Transparency Act, the provisions of the Grant Accountability and Transparency Act control. 30 ILCS 708/80.

22.12. Headings. Articles and other headings contained in this Agreement are for reference purposes only and are not intended to define or limit the scope, extent or intent of this Agreement or any provision hereof.

22.13. Counterparts. This Agreement may be executed in one or more counterparts, each of which are considered to be one and the same agreement, binding on all Parties hereto, notwithstanding that all Parties are not signatories to the same counterpart. Duplicated signatures, signatures transmitted via facsimile, or signatures contained in a Portable Document Format (PDF) document are deemed original for all purposes.

22.14. Attorney Fees and Costs. Unless prohibited by law, if Grantor prevails in any proceeding to enforce the terms of this Agreement, including any administrative hearing pursuant to the Grant Funds Recovery Act or the Grant Accountability and Transparency Act, Grantor has the right to recover reasonable attorneys' fees, costs and expenses associated with such proceedings.

22.15. Continuing Responsibilities. The termination or expiration of this Agreement does not affect: (a) the right of Grantor to disallow costs and recover funds based on a later audit or other review; (b) the obligation of the Grantee to return any funds due as a result of later refunds, corrections or other transactions, including, without limitation, final Indirect Cost Rate adjustments and those funds obligated pursuant to ARTICLE XIV; (c) the CYEFR(s); (d) audit requirements established in 44 Ill. Admin. Code 7000.90 and ARTICLE XII; (e) property management and disposition requirements established in 2 CFR 200.310 through 2 CFR 200.316 and ARTICLE XVIII; or (f) records related requirements pursuant to ARTICLE IX. 44 Ill. Admin. Code 7000.440.

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EXHIBIT A

PROJECT DESCRIPTION

Grantee must complete the Award Activities described on this **Exhibit A**, the Deliverables and Milestones listed on **Exhibit B** and the Performance Measures listed on **Exhibit D** within the term of this Agreement, as provided in Paragraph 2.1, herein.

AUTHORITY: The Grantor is authorized to make this Award pursuant to 20 ILCS 605/605-55 and/or 20 ILCS 605/605-30.

The purpose of this authority is as follows:

To make & enter into contracts, including grants, as authorized pursuant to appropriations by the General Assembly &/or to use State & federal programs, grants, & subsidies that are available to assist in discharge of the provisions of the Civil Administrative Code of Illinois.

PROJECT DESCRIPTION:

The Grantee is a governmental entity providing services to residents of Lake County in Lake County, Illinois.

Grant funds will be utilized for all costs, including any that are prior incurred, associated with the design, oversight, and implementation of 16 regional stormwater component projects within Lake County, Illinois. Component projects entail engineering design and construction of stormwater capital improvements. These stormwater infrastructure projects are needed to: manage increased volumes of stormwater because of changes to the climate; incorporate necessary road repairs and upgrades for stormwater infrastructure projects; incorporate wetland restoration, sediment control, and water quality benefits; incorporate increased stormwater storage; and incorporate updated Bulletin 75 rainfall design standards and current best practices. The component projects and a description of each are as follows:

20th Street Stormwater Improvements Project Phase 1: Grant funds will be utilized for the design and construction of storm sewer upgrades and drainage system enhancements. This project is the first phase of a larger plan. Improvements will mitigate roadway and neighborhood flooding and will consist of removal and replacement of storm sewers, related stormwater infrastructure, road surfaces and utility relocations to improve capacity of the storm sewer system. Project location is Gideon Avenue between 20th Street and Kellogg Creek in Zion, Illinois. The project will benefit approximately 45 properties and 11 roads.

Bangs Lake Stormwater Improvements: Grant funds will be utilized for the design and construction of storm sewer upgrades, channel improvements and drainage system enhancements. Improvements will mitigate roadway and neighborhood flooding and will consist of removal and replacement of storm sewer structures, lake control structures, roads, stabilization of creek and shorelines. Project location is along Slocum Creek between Bangs Lake and Illinois Route 176/Liberty Street in Wauconda, Illinois. The project will benefit approximately 73 properties and 8 roads.

Buffalo Creek Watershed Stormwater Improvements Project: Grant funds will be utilized for the design and construction of culvert upgrades and drainage system enhancements. Improvements will lower the risk of flooding for the adjacent and downstream residential properties and roads and improve water quality in the watershed. Project will consist of removal and replacement of a culvert system and removal and replacement/repair of failing streambank stabilization measures to restore flow capacity. Project location is the South Branch of Buffalo Creek at North Buffalo Run between West Willow Drive, and West Cliffside Drive and the South Branch of Buffalo Creek crossing along West Cuba Road between Warwick Lane and West Chestnut Ridge Road in Kildeer, Illinois. The project will benefit approximately 21 properties and 2 roads.

Four Corners Drainage Improvements Project Phase 3: Grant funds will be utilized for the design and construction of storm sewer upgrades and drainage system enhancements. Improvements will lower the risk of flooding for the adjacent residential properties and roads and will consist of removal and replacement of storm sewer structures and repair of failing drain tiles. Project location is along IL-120 between Fairfield Road and Wilson Road in Avon Township and Grant Township in Unincorporated Round Lake, Illinois. The project will benefit approximately 10 properties and 3 roads.

Grassmere, Haverton, and Oaksbury Pond Drainage Improvements Project: Grant funds will be utilized for the design and construction of culvert upgrades, drainage system enhancements and wetland restoration. Improvements will lower the risk of flooding on local and major roads and re-establish stormwater conveyance and will consist of removal and replacement culvert, road surfaces, new culverts, stabilization and restoration of existing drainage channels, and wetland restoration. Project location is along a tributary to Honey Lake between North Bertha Lane to Carriage Road and between Scott Road to Signal Hill Road in North Barrington, Illinois. The project will benefit approximately 48 properties and 20 roads.

Horatio Gardens Drainage Improvement Projects: Grant funds will be utilized for the design and construction of storm sewer upgrades and drainage system enhancements. Improvements will mitigate roadway and neighborhood flooding and will consist of removal and replacement of storm sewers, related stormwater infrastructure, road surfaces, and utility relocations to improve capacity of the storm sewer system. Project location is an area bounded by Pauline Avenue, Canadian National Railway, Pope Boulevard, and Weiland Road in Vernon Township in Unincorporated Buffalo Grove, Illinois. The project will benefit approximately 117 properties and 10 roads.

Lewis Avenue Detention Basin Project Phase 1: Grant funds will be utilized for the property acquisition and construction of a stormwater detention basin. Improvements will reduce the volume of storm water in the storm sewer system and a reduction of flooding to roadways and neighborhoods. Project will consist of excavation for a new, large detention basin, storm sewer system connections, and vegetation of the basin. Project location is located in the Pettibone Creek watershed between 20th Street and 21st Street and between Lewis Avenue and Kemble Avenue in North Chicago, Illinois. The project will benefit approximately 132 properties and 8 roads.

Lewis Avenue Detention Basin Project Phase 2: Grant funds will be utilized for the construction storm sewer upgrades and drainage system enhancements. Improvements will mitigate roadway and neighborhood flooding upstream and downstream of the Phase 1 stormwater detention basin and will consist of removal and replacement of storm sewers, related stormwater infrastructure, road surfaces and utility relocations to improve capacity of the storm sewer system. Project location is on Broadway Avenue between Martin Luther King Jr. Drive to Seymour Avenue, on Kemble between 20th Street and 21st Street, and on 20th Street between Lewis Avenue and Sherman Avenue in North Chicago, Illinois. The project will benefit approximately 742 properties and 8 roads.

North Branch Buffalo Creek Improvements at Bristol Trails Park Project: Grant funds will be utilized for the construction of channel improvements, streambank, and wetland restoration for Buffalo Creek. Improvements will lower the risk of flooding for the adjacent and downstream residential properties and improve water quality in the watershed and will consist of streambank stabilization, vegetative restoration, and wetland enhancement. Project location is the North Branch of Buffalo Creek at Bristol Trails Park in Lake Zurich, Illinois between Bristol Trail and Stanton Roads, west of Quentin Road. The project will benefit approximately 16 properties.

Northwood Subdivision Stormwater Improvements -Phase 1: Grant funds will be utilized for the construction of detention basin's, storm sewer upgrades and drainage system enhancements. This project is the first phase of a larger plan. Improvements will mitigate roadway, neighborhood, residential, and commercial flooding and will consist of excavation for detention basins, removal and replacement of storm sewers, related stormwater infrastructure, road surfaces and utility relocations to improve capacity of the storm sewer system. Project location

is within an area bounded by Pauline Avenue, Canadian National Railway, Armstrong Drive, and Weiland Road in Buffalo Grove, Illinois. The project will benefit approximately 90 properties and 19 roads.

Rose Tree Drainage Outfall Remediation Project: Grant funds will be utilized for the design and construction of storm sewer upgrades, drainage system enhancements, and ravine stabilization. Improvements will improve water quality in the watershed and mitigate safety concerns to the adjacent neighborhood impacted by erosion. Project will consist of removal and replacement of storm sewers, ravine stabilization, and re-grading and restoration of banks and areas adjacent to the work. Project location is in McDonald's Woods Forest Preserve near South Beck Road and Rose Tree Lane in Lindenhurst, Illinois. The project will benefit approximately 13 properties and 1 road.

Round Lake Drain Master Plan Project Phase 1: Grant funds will be utilized for design and construction of culvert improvements, drainage system enhancements, and streambank stabilization. This project is a component of a larger master plan from N. Village Drive to Rollins Road. Improvements will restore flow capacity and lower the risk of flooding for the adjacent, upstream, and downstream properties and roadways and will consist of removal and replacement of a culvert, streambank stabilization, vegetative restoration, flood storage and restoration. Project location west of North Village Drive, north of Long Lake Drive, west of Meadowbrook Drive, and south of Rollins Road along and adjacent to the Round Lake Drain and its tributaries in Round Lake Beach, Illinois. The project will benefit approximately 281 properties and 6 roads.

Seavey Master Plan Project Phase 3: Grant funds will be utilized for the design and construction of channel improvements, drainage system enhancements, and streambank stabilization. This project is a component of a larger master plan from IL-83 to Little Bear Lake. Improvements will restore flow capacity, lower the risk of flooding for the adjacent properties and roadways, improve water quality and will consist of streambank, and shoreline stabilization, vegetative and wetland restoration. Project location is on the Seavey Ditch east of Hazeltine Drive downstream to Lake Charles inlet in Vernon Hills, Illinois. The project will benefit approximately 357 properties and 5 roads.

Skokie River Channel Improvements Project Phase 3: Grant funds will be utilized for construction of channel improvements, drainage system enhancements, and streambank stabilization. This project is the third phase of a larger plan. Improvements will restore flow capacity and lower the risk of flooding for the adjacent, upstream, and downstream properties and will consist of grading, streambank stabilization, vegetative removal and restoration, flood storage and restoration. Project location is on the Skokie River adjacent to Danny Cuniff Park in Highland Park, Illinois. The project will benefit approximately 40 properties and 2 roads.

West Scranton Avenue Viaduct Project Phase 1: Grant funds will be utilized for the design and construction of storm sewer upgrades and drainage system enhancements. This project is the first phase of a larger plan. Improvements will mitigate roadway and neighborhood flooding and will consist of the removal and replacement of storm sewer, related stormwater infrastructure, and road surfaces, installation of a water quality structure, and ravine stabilization. Project location is located along North Avenue and in the vicinity of the eastern terminus of North Avenue in Lake Bluff, Illinois. The project will benefit an entire community, approximately 20 properties and 4 roads.

Windsor Drive Drainage Improvements Project: Grant funds will be utilized for the construction of storm sewer upgrades and drainage system enhancements. Improvements will mitigate structure flooding and street flooding and will include a new parallel storm sewer system, utility relocations, removal and replacement of storm sewers, related stormwater infrastructure and road surfaces. Project location includes portions of Windsor Drive, Canterbury Road, Anglican Lane, Brunswick Lane, Westminster Way and Balzer Park in Lincolnshire, Illinois. The project will benefit approximately 100 properties and 12 roads.

Specifically, Grant funds will include all costs associated with the project as follows:

- **Design/Engineering** – to include costs associated with the design engineering, permitting, survey, bidding and ancillary costs and fees associated with the development of construction plans and specifications, permitting, bid preparation and bidding assistance.
- **Building/Land Purchase** – to include costs associated with obtaining property or easements needed to construct component elements of the project, including legal fees.
- **Equipment/Material/Labor** – to include costs associated with the purchase and installation of bondable items such as: piping; culverts; storm sewers; storage basins; trench backfill; storm manholes; storm sewer junction boxes; flared end sections; storm inlets; stone rip rap; catch basins; end treatments; removal/replacement/adjustment of conflicting utilities, service lines and drainage structures; underdrains; cleanouts; perforated pipe; and related hardware.
- **Paving/Concrete/Masonry** – to include costs associated with the purchase and installation of asphalt, concrete, and related materials.
- **Construction Management/Oversight** – to include costs associated with managing the construction activities and/or overseeing all aspects of the construction project.
- **Excavation/Site Prep/Demo** – to include costs associated with the site preparation and excavation costs prior to construction and as integral to project construction for component projects such as: tree/brush removal; stabilized construction entrances; mobilization; traffic control; earth excavation and grading; site clearing; removal of utilities, service lines, sidewalk/driveway, storm sewer, inlets, catch basins, manholes, outlet structures, culverts, restrictor plates, and other unsuitable materials ahead of actual new construction.
- **Other Construction Expenses** – to include the purchase and construction costs for site access, erosion control, water management, seeding, sod, plant plugs, trees and shrubs; sewer telescoping; streambank and outlet stabilization, retaining walls, temporary fencing, signage, and site mobilization.

The completion of these projects will benefit the public by providing protection of affected properties, infrastructure, and assets (highways, roads, etc.) from flooding, at a minimum 10-year (flood) protection level. Future floods will be mitigated as well as any further damages caused, and these projects will prevent costly repairs.

EXHIBIT B

DELIVERABLES OR MILESTONES

To be stated on the initial submitted Periodic Performance Report (PPR), as directed by the Report Deliverable Schedule, the Grantee will provide a detailed task list of projected deliverables, which must be approved by Grantor. These tasks and associated due dates, and any subsequent revisions, shall be incorporated by reference into this Agreement. These tasks will be used to measure performance throughout the life of the Award and can be updated and reported on each PPR reporting due date.

EXHIBIT C

CONTACT INFORMATION

CONTACTS FOR NOTIFICATION AND GRANT ADMINISTRATION:

Unless specified elsewhere, all notices required or desired to be sent by either Party must be sent to the persons listed below. Grantee must notify Grantor of any changes in its contact information listed below within five (5) business days from the effective date of the change, and Grantor must notify Grantee of any changes to its contact information as soon as practicable. The Party making a change must send any changes in writing to the contact for the other Party. No amendment to this Agreement is required if information in this Exhibit is changed.

FOR OFFICIAL GRANT NOTIFICATIONS

GRANTOR CONTACT

Name: Kristin A. Richards
Title: Director
Address: 1011 S. 2nd St.
Springfield, IL 62704

GRANTEE CONTACT

Name: Sandy Hart
Title: Board Chairman
Address: 500 W Winchester Rd
Ste. 201
Libertyville, IL 60048-1371

GRANTEE PAYMENT ADDRESS

(If different than the address above)

Address: N/A

FOR GRANT ADMINISTRATION

GRANTOR CONTACT

Name: Alex Fuller
Title: Grant Manager
Address: 1011 S. 2nd St.
Springfield, IL 62704
Phone: 217-782-9988
TTY#: (800) 785-6055
Email: Alex.Fuller@Illinois.gov
Address:

GRANTEE CONTACT

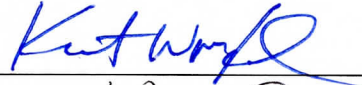
Name: Mike Prusila
Title: Planning Supervisor
Address: 500 W Winchester Rd
Ste. 201
Libertyville, IL 60048-1371
Phone: 847-377-7700
TTY#: N/A
Email: mprusila@lakecountyil.gov
Address:

GRANTEE DESIGNEES

The following are designated as Authorized Designee(s) for the Grantee (See **PART TWO**, ARTICLE XXIII):

Authorized Designee: Kurt Woolford
Authorized Designee Title: Executive Director
Authorized Designee Phone: 847-377-7700
Authorized Designee Email: kwoolford@lakecountyil.gov

Authorized Designee Signature: _____



Authorized Signatory Approval: _____



Authorized Designee: _____
Authorized Designee Title: _____
Authorized Designee Phone: _____
Authorized Designee Email: _____

Authorized Designee Signature: _____

Authorized Signatory Approval: _____

Authorized Designee: _____
Authorized Designee Title: _____
Authorized Designee Phone: _____
Authorized Designee Email: _____

Authorized Designee Signature: _____

Authorized Signatory Approval: _____

GRANTOR CONTACT FOR AUDIT OR CONSOLIDATED YEAR-END FINANCIAL REPORTS QUESTIONS—AUDIT UNIT

Email: externalauditunit@illinois.gov

GRANTOR CONTACT FOR FINANCIAL CLOSEOUT QUESTIONS—PROGRAM ACCOUNTANT

Name: Lucy Tankoua
Email: lucy.tankoua@illinois.gov
Phone: 000-000-0000
Fax#: N/A

Address: IDCEO-ACCOUNTING OFFICE
1011 S 2ND ST
SPRINGFIELD IL 62704-3004

EXHIBIT D

PERFORMANCE MEASURES AND STANDARDS

To be stated on the initial submitted Periodic Performance Report (PPR), as directed by the Report Deliverable Schedule, the Grantee will incorporate project specific performance measures within the corresponding section of the PPR. The project specific performance measures will encompass the following standardized performance measures listed below.

- Did the deliverables specified in the task list submitted pursuant to Exhibit B lead to the completion of the project described in Exhibit A?
- Given the total amount of Grant Funds available, does the percent currently drawn and expended directly correlate to the percent of the completion of the project to date?
- At the time of Award closeout, has the Grantee fulfilled the public purpose of the project stated in Exhibit A?

The Grantor reserves the right to deny any voucher request(s) at its discretion, based on lack of progress toward meeting completion goals. If the Grantee fails to meet any of the performance measures/goals, and if deemed appropriate at the discretion of the Grantor, the Grant Funds may be decreased by an amount proportionate to the size of the shortfall, and/or the Grantee may be responsible for the return of the Grant Funds in the amount specified by the Grantor. Grantor may initiate a grant modification(s) to de-obligate Grant Funds based on non-performance. The Grantee will submit grant modification requests as necessary in a timely manner, including a request to de-obligate Grant Funds in an amount that the Grantee determines will be unspent by the end of the Grant Agreement Term.

EXHIBIT E

SPECIFIC CONDITIONS

Grantor may remove (or reduce) a Specific Condition included in this Exhibit by providing written notice to the Grantee, in accordance with established procedures for removing a Specific Condition.

There were no conditions resulting from the Internal Control Questionnaire (ICQ).

There were no conditions resulting from the Programmatic Risk Assessment.

PART TWO – GRANTOR-SPECIFIC TERMS

In addition to the uniform requirements in **PART ONE**, Grantor has the following additional requirements for its Grantee:

ARTICLE XXIII AUTHORIZED SIGNATORY

23.1. Authorized Signatory. In processing this Award and related documentation, Grantor will only accept materials signed by the Authorized Signatory or Designee of this Agreement, as designated or prescribed in the Grantee's signature block or on **Exhibit C**. If the Authorized Signatory chooses to assign a designee to sign or submit materials required by this Agreement to Grantor, the Authorized Signatory must either send written notice to Grantor indicating the name of the designee, or provide notice as set forth in **Exhibit C**. Without this notice, Grantor will reject any materials signed or submitted on the Grantee's behalf by anyone other than the Authorized Signatory. The Authorized Signatory must approve each Authorized Designee separately by signing as indicated on **Exhibit C** or on the appropriate form provided by Grantor. If an Authorized Designee(s) appears on **Exhibit C**, the Grantee should verify the information and indicate any changes as necessary. Signatures of both the Authorized Signatory and the Authorized Designee are required in order for the Authorized Designee to have signature authority under this Agreement.

ARTICLE XXIV ADDITIONAL AUDIT PROVISIONS

24.1. Discretionary Audit. The Grantor may, at any time and in its sole discretion, require a program-specific audit, or other audit, SAS 115/AU-C265 letters (Auditor's Communication of Internal Control Related Matters) and SAS 114/AU-C260 letters (Auditor's Communication With Those Charged With Governance).

ARTICLE XXV ADDITIONAL MONITORING PROVISIONS

25.1. Cooperation with Audits and Inquiries, Confidentiality. Pursuant to ARTICLE IX, above, the Grantee is obligated to cooperate with the Grantor and other legal authorities in any audit or inquiry related to the Award. The Grantor or any other governmental authority conducting an audit or inquiry may require the Grantee to keep confidential any audit or inquiry and to limit internal disclosure of the audit or inquiry to those Grantee personnel who are necessary to support the Grantee's response to the audit or inquiry. This confidentiality requirement does not limit Grantee's right to discuss an audit or inquiry with its legal counsel. If a third party seeks to require the Grantee, pursuant to any law, regulation, or legal process, to disclose an audit or inquiry that has been deemed confidential by the Grantor or other governmental authority, the Grantee must promptly notify the entity that is conducting the audit or inquiry of such effort so that the entity that is conducting the audit or inquiry may seek a protective order, take other appropriate action, or waive compliance by the Grantee with the confidentiality requirement.

ARTICLE XXVI ADDITIONAL INTEREST PROVISIONS

26.1. Interest Earned on Grant Funds. Interest earned on Grant Funds in an amount up to \$500 per year may be retained by the Grantee for administrative expenses unless otherwise provided in **PART THREE**. Any additional interest earned on Grant Funds above \$500 per year must be returned to the Grantor pursuant to Paragraphs 4.3 and 29.2 herein, or as otherwise instructed by the Grant Manager or as set forth in **PART THREE**. All interest earned must be expended prior to Grant Funds. Any unspent Grant Funds or earned interest unspent must be returned as Grant Funds to the Grantor as described in Paragraphs 4.3 and 29.2 herein. All interest earned on Grant Funds must be accounted for and reported to the Grantor as provided in ARTICLE X herein. If applicable, the Grantor will remit interest earned and returned by Grantee to the U.S. Department of Health and Human Services

Payment Management System through the process set forth at 2 CFR 200.305(b)(9), or as otherwise directed by the federal awarding agency. The provisions of this Paragraph are inapplicable to the extent any statute, rule or program requirement provides for different treatment of interest income. Any provision that deviates from this paragraph is set forth in **PART THREE**.

**ARTICLE XXVII
ADDITIONAL BUDGET PROVISIONS**

27.1. Restrictions on Line Item Transfers. Unless set forth otherwise in **PART THREE** herein, Budget line item transfers within the guidelines set forth in paragraph 6.2 herein, which would not ordinarily require approval from Grantor, but vary more than ten percent (10%) of the current approved Budget line item amount, are considered changes in the project scope and require Prior Approval from Grantor pursuant to 44 Ill. Admin. Code 7000.370(b).

**ARTICLE XXVIII
ADDITIONAL REPRESENTATIONS AND WARRANTIES**

28.1. Grantee Representations and Warranties. In connection with the execution and delivery of this Agreement, the Grantee makes the following representations and warranties to Grantor:

- (a) That it has no public or private interest, direct or indirect, and will not acquire, directly or indirectly any such interest which does or may conflict in any manner with the performance of the Grantee's services and obligations under this Agreement;
- (b) That no member of any governing body or any officer, agent or employee of the State, has a personal financial or economic interest directly in this Agreement, or any compensation to be paid hereunder except as may be permitted by applicable statute, regulation or ordinance;
- (c) That there is no action, suit or proceeding at law or in equity pending, nor to the best of Grantee's knowledge, threatened, against or affecting the Grantee, before any court or before any governmental or administrative agency, which will have a material adverse effect on the performance required by this Agreement;
- (d) That to the best of the Grantee's knowledge and belief, the Grantee, its principals and key project personnel:
 - (i) Are not presently declared ineligible or voluntarily excluded from contracting with any federal or State department or agency;
 - (ii) Have not, within a three (3)-year period preceding this Agreement, been convicted of any felony; been convicted of a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state, or local) transaction or contract under a public transaction; had a civil judgment rendered against them for commission of fraud; been found in violation of federal or state antitrust statutes; or been convicted of embezzlement, theft, larceny, forgery, bribery, falsification or destruction of records, making a false statement, or receiving stolen property;
 - (iii) Are not presently indicted for, or otherwise criminally or civilly charged, by a government entity (federal, state or local) with commission of any of the offenses enumerated in subparagraph (ii) of this certification; and
 - (iv) Have not had, within a three (3)-year period preceding this Agreement, any judgment rendered in an administrative, civil or criminal matter against the Grantee, or any entity associated

with its principals or key personnel, related to a grant issued by any federal or state agency or a local government.

Any request for an exception to the provisions of this subparagraph (d) must be made in writing, listing the name of the individual, home address, type of conviction and date of conviction; and

(e) Grantee certifies that it is not currently operating under, or subject to, any cease and desist order, or subject to any informal or formal regulatory action, and, to the best of Grantee's knowledge, that it is not currently the subject of any investigation by any state or federal regulatory, law enforcement or legal authority. Should it become the subject of an investigation by any state or federal regulatory, law enforcement or legal authority, Grantee shall promptly notify Grantor of any such investigation. Grantee acknowledges that should it later be subject to a cease and desist order, Memorandum of Understanding, or found in violation pursuant to any regulatory action or any court action or proceeding before any administrative agency, that Grantor is authorized to declare Grantee out of compliance with this Agreement and suspend or terminate the Agreement pursuant to ARTICLE XIII herein and any applicable rules.

ARTICLE XXIX

ADDITIONAL TERMINATION, SUSPENSION, BILLING SCHEDULE AND NON-COMPLIANCE PROVISIONS

29.1. Remedies for Non-Compliance. If Grantor suspends or terminates this Agreement pursuant to ARTICLE XIII herein, Grantor may also elect any additional remedy allowed by law, including, but not limited to, one or more of the following remedies:

(a) Direct the Grantee to refund some or all of the Grant Funds disbursed to it under this Agreement; and

(b) Direct the Grantee to remit an amount equivalent to the "Net Salvage Value" of all equipment or materials purchased with Grant Funds provided under this Agreement. For purposes of this Agreement, "Net Salvage Value" is defined as the amount realized, or that the Parties agree is likely to be realized from, the sale of equipment or materials purchased with Grant Funds provided under this Agreement at its current fair market value, less selling expenses.

29.2. Grant Refunds. In accordance with the Illinois Grant Funds Recovery Act, 30 ILCS 705/1 *et seq.*, the Grantee must, within forty-five (45) days of the effective date of a termination of this Agreement, refund to Grantor, any balance of Grant Funds not spent or not obligated as of that date.

29.3. Grant Funds Recovery Procedures. In the event that Grantor seeks to recover from Grantee Funds received pursuant to this Award that: (i) Grantee cannot demonstrate were properly spent, or (ii) have not been expended or legally obligated by the time of expiration or termination of this Award, the Parties agree to follow the procedures set forth in the Illinois Grant Funds Recovery Act, 30 ILCS 705/1 *et seq.* (GFRA), for the recovery of Grant Funds, including the informal and formal hearing requirements. All remedies available in Section 6 of the GFRA will apply to these proceedings. The Parties agree that Grantor's Administrative Hearing Rules (56 Ill. Admin. Code Part 2605) and/or any other applicable hearing rules shall govern these proceedings.

29.4. Grantee Responsibility. Grantee will be held responsible for the expenditure of all Grant Funds received through this Award, whether expended by Grantee or a subrecipient or contractor of Grantee. Grantor may seek any remedies against Grantee permitted pursuant to this Agreement and 2 CFR 200.339 for the action of a subrecipient or contractor of Grantee that is not in compliance with the applicable statutes, regulations or the terms and conditions of this Award.

29.5. Billing Schedule. In accordance with paragraph 4.8, herein Grantee must submit all payment requests to Grantor within thirty (30) days of the end of the quarter, unless another billing schedule is specified in **PART THREE** or Paragraph 2.3. Failure to submit such payment request timely will render the amounts billed an

unallowable cost which Grantor cannot reimburse. In the event that Grantee is unable, for good cause, to submit its payment request timely, Grantee must timely notify Grantor and may request an extension of time to submit the payment request. Grantor's approval of Grantee's request for an extension cannot be unreasonably withheld. The payment requirements of this Paragraph supersede those set forth in Paragraph 4.8.

ARTICLE XXX ADDITIONAL MODIFICATION PROVISIONS

30.1. Modifications by Operation of Law. This Agreement is subject to such modifications as the Grantor determines, in its sole discretion, may be required by changes in federal or State law or regulations applicable to this Agreement. Grantor will initiate such modifications, and Grantee will be required to agree to the modification in writing as a condition of continuing the Award. Any such required modification will be incorporated into and become part of this Agreement as if fully set forth herein. The Grantor will timely notify the Grantee of any pending implementation of or proposed amendment to any laws or regulations of which it has notice.

30.2. Discretionary Modifications. If either the Grantor or the Grantee wishes to modify the terms of this Agreement other than as set forth in ARTICLES V and VI and Paragraphs 30.1 and 30.3, written notice of the proposed modification must be given to the other Party. Modifications will only take effect when agreed to in writing by both the Grantor and the Grantee. However, if the Grantor notifies the Grantee in writing of a proposed modification, and the Grantee fails to respond to that notification, in writing, within thirty (30) days, the Grantor may commence a process to suspend or terminate this Award. In making an objection to the proposed modification, the Grantee must specify the reasons for the objection and the Grantor will consider those objections when evaluating whether to follow through with the proposed modification. The Grantor's notice to the Grantee must contain the Grantee name, Agreement number, Amendment number and purpose of the revision. If the Grantee seeks any modification to the Agreement, the Grantee must submit a detailed narrative explaining why the Project cannot be completed in accordance with the terms of the Agreement and how the requested modification will ensure completion of the Grant Activities, Deliverables, Milestones and/or Performance Measures (Exhibits A, B and D).

30.3. Unilateral Modifications. The Parties agree that Grantor may, in its sole discretion, unilaterally modify this Agreement without prior approval of the Grantee when the modification is initiated by Grantor for the sole purpose of increasing the Grantee's funding allocation as additional funds become available for the Award during the program year covered by the Term of this Agreement.

30.4. Management Waiver. The Parties agree that the Grantor may issue a waiver of specific requirements of this Agreement after the term of the Agreement has expired. These waivers are limited to non-material changes to specific provisions that the Grantor determines are necessary to place the Grantee in administrative compliance with the requirements of this Agreement. A management waiver issued after the Term of the Agreement has expired will supersede the original requirements of this Agreement that would normally require a modification of this Agreement to be executed. The Grantor will make no modifications of this Agreement not agreed to prior to the expiration of the Agreement beyond what is specifically set forth in this Paragraph.

30.5. Term Extensions. The Grantee acknowledges that all Grant Funds must be expended or legally obligated, and all Grant Activities, Deliverables, Milestones and Performance Measures (Exhibits A, B and D) must be completed during the Term of the Agreement. Extensions of the Term will be granted only for good cause, subject to the Grantor's discretion. Pursuant to the Grant Funds Recovery Act (30 ILCS 705/1 *et seq.*), no Award may be extended in total beyond a two (2)-year period unless the Grant Funds are expended or legally obligated during that initial two-year period, or unless Grant Funds are disbursed for reimbursement of costs previously incurred by the Grantee. If Grantee requires an extension of the Award Term, Grantee should submit a written request to the Grant Manager at least sixty (60) days prior to the end of the Award Term or extended Award Term, as applicable, stating the reason for the extension. If Grantee provides reasonable extenuating circumstances, Grantee may request an extension of the Award Term with less than sixty (60) days remaining.

**ARTICLE XXXI
ADDITIONAL CONFLICT OF INTEREST PROVISIONS**

31.1. Bonus or Commission Prohibited. The Grantee shall not pay any bonus or commission for the purpose of obtaining the Grant Funds awarded under this Agreement.

**ARTICLE XXXII
ADDITIONAL EQUIPMENT OR PROPERTY PROVISIONS**

32.1. Equipment Management. The Grantee is responsible for replacing or repairing equipment and materials purchased with Grant Funds that are lost, stolen, damaged, or destroyed. Any loss, damage or theft of equipment and materials must be investigated and fully documented, and immediately reported to the Grantor and, where appropriate, the appropriate law enforcement authorities.

32.2. Purchase of Real Property. If permitted by the Award Budget and scope of activities provided in this Agreement, a Grantee may use the Grant Funds during the Award Term for the costs associated with the purchase of real property (as defined by 2 CFR 200.1) either through the use of reimbursement or advanced funds as permitted in Paragraph 2.3 of this Agreement for the following purposes and consistent with the Grantor's bondability guidelines and 2 CFR 200:

- (a) Cash payment of the entirety or a portion of the real property acquisition;
- (b) Cash Payment of a down payment for the acquisition;
- (c) Standard and commercially reasonable costs required to be paid at the acquisition closing (*i.e.*, closing costs); or
- (d) Payments to reduce the debt incurred by Grantee to purchase the real property.

32.3. Bonding Requirements. If Grant Funds through this Award are used for construction or facility improvement projects that exceed the Simplified Acquisition Threshold, the Grantee must comply with the minimum bonding requirements listed in 2 CFR 200.326(a) – (c). Grantor will not accept the Grantee's own bonding policy and requirements.

32.4. Lien Requirements. Grantor may direct Grantee in writing to record a lien or notice of State or federal interest on the property purchased or improved with Grant Funds. 2 CFR 200.316. If Grantor makes this direction and the Grantee does not comply, the Grantor may: (a) record the lien or notice of State or federal interest and reduce the amount of the Grant Funds by the cost of recording the lien or notice of State or federal interest, or (b) suspend this Award until Grantee complies with Grantor's direction.

**ARTICLE XXXIII
APPLICABLE STATUTES**

To the extent applicable, Grantor and Grantee shall comply with the following:

33.1. Land Trust Beneficial Interest Disclosure Act (765 ILCS 405/2.1). No Grant Funds will be paid to any trustee of a land trust, or any beneficiary or beneficiaries of a land trust, for any purpose relating to the land, which is the subject of such trust, any interest in such land, improvements to such land or use of such land unless an affidavit is first filed with the Grantor identifying each beneficiary of the land trust by name and address and defining such interest therein. This affidavit must be filed with the Illinois Office of the Comptroller as an attachment to this Agreement.

33.2. Historic Preservation Act (20 ILCS 3420/1 et seq.). The Grantee will not expend Grant Funds under this Agreement which result in the destruction, alteration, renovation, transfer or sale, or utilization of a historic property, structure or structures, or in the introduction of visual, audible or atmospheric elements to a historic property, structure or structures, which will result in the change in the character or use of any historic property, except as approved by the Illinois Department of Natural Resources, Historic Preservation Division. The Grantee must not expend Grant Funds under this Agreement for any project, activity, or program that can result in changes in the character or use of historic property, if any historic property is located in the area of potential effects without the approval of the Illinois Department of Natural Resources, Historic Preservation Division. 20 ILCS 3420/3(f).

33.3. Victims' Economic Security and Safety Act (820 ILCS 180 et seq.). If the Grantee has one (1) or more employees, it may not discharge or discriminate against an employee who is a victim of domestic or sexual violence, or who has a family or household member who is a victim of domestic or sexual violence, for taking up to the allowable amount of leave from work to address the domestic violence, pursuant to the Victims' Economic Security and Safety Act. 820 ILCS 180/20(a)(2). The Grantee is not required to provide paid leave under the Victims' Economic Security and Safety Act, but may not suspend group health plan benefits during the leave period. Any failure on behalf of the Grantee to comply with all applicable provisions of the Victims' Economic Security and Safety Act, or applicable rules and regulations promulgated thereunder, may result in a determination that the Grantee is ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Agreement may be cancelled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked, as provided by statute or regulation.

33.4. Equal Pay Act of 2003 (820 ILCS 112 et seq.). If the Grantee has one (1) or more employees, it is prohibited by the Equal Pay Act of 2003 from: (a) discriminating between employees by paying unequal wages on the basis of sex for doing the same or substantially similar work; (b) discriminating between employees by paying wages to an African-American employee at a rate less than the rate at which the Grantee pays wages to another employee who is not African-American for the same or substantially similar work; (c) remedying violations of the Equal Pay Act of 2003 by reducing the wages of other employees or discriminating against any employee exercising their rights under the Equal Pay Act of 2003; and (d) screening job applicants based on their current or prior wages or salary histories, or requesting or requiring a wage or salary history from an individual as a condition of employment or consideration for employment. Any failure on behalf of the Grantee to comply with all applicable provisions of the Equal Pay Act of 2003, or applicable rules and regulations promulgated thereunder, may result in a determination that the Grantee is ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Agreement may be cancelled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked, as provided by statute or regulation.

33.5. Steel Products Procurement Act (30 ILCS 565/1 et seq.). The Grantee, if applicable, hereby certifies that any steel products used or supplied in accordance with this Award for a public works project shall be manufactured or produced in the United States per the requirements of the Steel Products Procurement Act (30 ILCS 565/1 et seq.).

33.6. Business Enterprise for Minorities, Women, and Persons with Disabilities Act and Illinois Human Rights Act (30 ILCS 575/0.01; 775 ILCS 5/2-105). The Grantee acknowledges and hereby certifies compliance with the provisions of the Business Enterprise for Minorities, Women, and Persons with Disabilities Act, and the equal employment practices of Section 2-105 of the Illinois Human Rights Act for the provision of services which are directly related to the Award activities to be performed under this Agreement.

33.7. Identity Protection Act (5 ILCS 179/1 et seq.) and Personal Information Protection Act (815 ILCS 530/1 et seq.). The Grantor is committed to protecting the privacy of its vendors, grantees and beneficiaries of programs and services. At times, the Grantor will request social security numbers or other personal identifying information. Federal and state laws, rules and regulations require the collection of this information for certain purposes relating to employment and/or payments for goods and services, including, but not limited to, Awards. The Grantor also collects confidential information for oversight and monitoring purposes.

Furnishing personal identity information, such as a social security number, is voluntary; however, failure to provide required personal identity information may prevent an individual or organization from using the services/benefits provided by the Grantor as a result of state or federal laws, rules and regulations.

To the extent the Grantee collects or maintains protected personal information as part of carrying out the Award activities, the Grantee must maintain the confidentiality of the protected personal information in accordance with applicable law and as set forth below.

(a) **Personal Information Defined.** As used herein, "Personal Information" shall have the definition set forth in the Personal Information Protection Act, 815 ILCS 530/5 ("PIPA").

(b) **Protection of Personal Information.** The Grantee must use at least reasonable care to protect the confidentiality of Personal Information that is collected or maintained as part of the Award activities and (i) not use any Personal Information for any purpose outside the scope of the Award activities and (ii) except as otherwise authorized by the Grantor in writing, limit access to Personal Information to those of its employees, contractors, and agents who need such access for purposes consistent with the Award Activities. If Grantee provides any contractor or agent with access to Personal Information, it must require the contractor or agent to comply with the provisions of this Paragraph.

(c) **Security Assurances.** Grantee represents and warrants that it has established and will maintain safeguards against the loss and unauthorized access, acquisition, destruction, use, modification, or disclosure of Personal Information and shall otherwise maintain the integrity of Personal Information in its possession in accordance with any federal or state law privacy requirements, including PIPA. These safeguards must be reasonably designed to (i) ensure the security and confidentiality of the Personal Information, (ii) protect against any anticipated threats or hazards to the security or integrity of Personal Information, and (iii) protect against unauthorized access to or use of Personal Information. Additionally, Grantee will have in place policies, which provide for the secure disposal of documents and information which contain Personal Information, including but not limited to shredding documents and establishing internal controls over the authorized access to such information. 815 ILCS 530/40.

(d) **Breach Response.** In the event of any unauthorized access to, unauthorized disclosure of, loss of, damage to or inability to account for any Personal Information (a "Breach"), Grantee agrees that it will promptly, at its own expense: (i) report such Breach to the Grantor by telephone with immediate written confirmation sent by e-mail, describing in detail any accessed materials and identifying any individual(s) who may have been involved in such Breach; (ii) take all actions necessary or reasonably requested by the Grantor to stop, limit or minimize the Breach; (iii) restore and/or retrieve, as applicable, and return all Personal Information that was lost, damaged, accessed, copied or removed; (iv) cooperate in all reasonable respects to minimize the damage resulting from such Breach; (v) provide any notice to Illinois residents as required by 815 ILCS 530/10, 815 ILCS 530/12 or applicable federal law, in consultation with the Grantor; and (vi) cooperate in the preparation of any report related to the Breach that the Grantor may need to present to any governmental body.

(e) **Injunctive Relief.** Grantee acknowledges that, in the event of a breach of this Paragraph, Grantor will likely suffer irreparable damage that cannot be fully remedied by monetary damages. Accordingly, in addition to any remedy which the Grantor may possess pursuant to applicable law, the Grantor retains the right to seek and obtain injunctive relief against any such breach in any Illinois court of competent jurisdiction.

(f) **Compelled Access or Disclosure.** The Grantee may disclose Personal Information if it is compelled by law, regulation, or legal process to do so, provided the Grantee gives the Grantor at least ten (10) days' prior notice of such compelled access or disclosure (to the extent legally permitted) and reasonable assistance if the Grantor wishes to contest the access or disclosure.

**ARTICLE XXXIV
ADDITIONAL MISCELLANEOUS PROVISIONS**

34.1. Workers' Compensation Insurance, Social Security, Retirement and Health Insurance Benefits, and Taxes. The Grantee must provide Workers' Compensation insurance where the same is required and accepts full responsibility for the payment of unemployment insurance, premiums for Workers' Compensation, Social Security and retirement and health insurance benefits, as well as all income tax deduction and any other taxes or payroll deductions required by law for its employees who are performing services specified by this Agreement.

34.2. Required Notice. Grantee agrees to give prompt notice to the Grantor of any event that may materially affect the performance required under this Agreement. Any notice or final decision by Grantor relating to (a) a Termination or Suspension (ARTICLE XIII), (b) Modifications, Management Waivers or Term Extensions (ARTICLE XXX) or (c) Assignments (Paragraph 22.2) must be executed by the Director of the Grantor or her or his authorized designee.

**ARTICLE XXXV
ADDITIONAL REQUIRED CERTIFICATIONS**

The Grantee makes the following certifications as a condition of this Agreement. These certifications are required by State statute and are in addition to any certifications required by any federal funding source as set forth in this Agreement. Grantee's execution of this Agreement shall serve as its attestation that the certifications made herein are true and correct.

35.1. Sexual Harassment. The Grantee certifies that it has written sexual harassment policies that must include, at a minimum, the following information: (i) the illegality of sexual harassment; (ii) the definition of sexual harassment under State law; (iii) a description of sexual harassment, utilizing examples; (iv) the Grantee's internal complaint process including penalties; (v) the legal recourse, investigative and complaint process available through the Department of Human Rights and the Human Rights Commission; (vi) directions on how to contact the Department of Human Rights and the Human Rights Commission; and (vii) protection against retaliation as provided by Sections 6-101 and 6-101.5 of the Illinois Human Rights Act. 775 ILCS 5/2-105(A)(4). A copy of the policies must be provided to the Grantor upon request.

35.2. Federal, State and Local Laws; Tax Liabilities; State Agency Delinquencies. The Grantee is required to comply with all federal, state and local laws, including but not limited to the filing of any and all applicable tax returns. If Grantee is delinquent in filing and/or paying any federal, state and/or local taxes, the Grantor will disburse Grant Funds only if the Grantee enters into an installment payment agreement with the applicable tax authority and remains in good standing with that authority. Grantee is required to tender a copy of all relevant installment payment agreements to the Grantor. In no event may Grantee utilize Grant Funds to discharge outstanding tax liabilities or other debts owed to any governmental unit. **The execution of this Agreement by the Grantee is its certification that: (i) it is current as to the filing and payment of any federal, state and/or local taxes applicable to Grantee; and (ii) it is not delinquent in its payment of moneys owed to any federal, state, or local unit of government.**

35.3. Lien Waivers. If applicable, the Grantee must monitor construction to assure that necessary contractors' affidavits and waivers of mechanics liens are obtained prior to release of Grant Funds to contractors and subcontractors.

35.4. Grant for the Construction of Fixed Works. Grantee certifies that all Projects for the construction of fixed works which are financed in whole or in part with funds provided by this Agreement will be subject to the Prevailing Wage Act (820 ILCS 130/0.01 *et seq.*) unless the provisions of that Act exempt its application. In the

construction of the Projects, Grantee must comply with the requirements of the Prevailing Wage Act including, but not limited to: (a) paying the prevailing rate of wages required by the Illinois Department of Labor, or a court on review, to all laborers, workers and mechanics performing work with Grant Funds provided through this Agreement, (b) inserting into all contracts for such construction a stipulation to the effect that not less than the prevailing rate of wages as applicable to the Project must be paid to all laborers, workers, and mechanics performing work under this Award; and (c) requiring all bonds of contractors to include a provision as will guarantee the faithful performance of the prevailing wage clause as provided by contract.

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PART THREE – PROJECT-SPECIFIC TERMS

In addition to the uniform requirements in **PART ONE** and Grantor-Specific Terms in **PART TWO**, Grantor has the following additional requirements for this Project:

ARTICLE XXXVI REPORT DELIVERABLE SCHEDULE

36.1. External Audit Reports. External Audit Reports may be required. Refer to ARTICLE XII of this Agreement to determine whether you are required to submit an External Audit Report and the applicable due date.

36.2. Annual Financial Reports. Annual Financial Reports may be required. Refer to Paragraph 12.2 of this Agreement to determine whether you are required to submit Annual Financial Reports.

36.3. Required Periodic Reports. Below is the required periodic reporting schedule for this Award.

January 2025

- Quarterly Periodic Financial Report (01/30/2025) - Covering Period of 11/01/2024 - 12/31/2024; Send To: Grant Manager
- Quarterly Periodic Performance Report (01/30/2025) - Covering Period of 11/01/2024 - 12/31/2024; Send To: Grant Manager

April 2025

- Quarterly Periodic Financial Report (04/30/2025) - Covering Period of 01/01/2025 - 03/31/2025; Send To: Grant Manager
- Quarterly Periodic Performance Report (04/30/2025) - Covering Period of 01/01/2025 - 03/31/2025; Send To: Grant Manager

July 2025

- Quarterly Periodic Financial Report (07/30/2025) - Covering Period of 04/01/2025 - 06/30/2025; Send To: Grant Manager
- Quarterly Periodic Performance Report (07/30/2025) - Covering Period of 04/01/2025 - 06/30/2025; Send To: Grant Manager

October 2025

- Quarterly Periodic Financial Report (10/30/2025) - Covering Period of 07/01/2025 - 09/30/2025; Send To: Grant Manager
- Quarterly Periodic Performance Report (10/30/2025) - Covering Period of 07/01/2025 - 09/30/2025; Send To: Grant Manager

January 2026

- Quarterly Periodic Financial Report (01/30/2026) - Covering Period of 10/01/2025 - 12/31/2025; Send To: Grant Manager
- Quarterly Periodic Performance Report (01/30/2026) - Covering Period of 10/01/2025 - 12/31/2025; Send To: Grant Manager

April 2026

- Quarterly Periodic Financial Report (04/30/2026) - Covering Period of 01/01/2026 - 03/31/2026; Send To: Grant Manager
- Quarterly Periodic Performance Report (04/30/2026) - Covering Period of 01/01/2026 - 03/31/2026; Send To: Grant Manager

July 2026

- Quarterly Periodic Financial Report (07/30/2026) - Covering Period of 04/01/2026 - 06/30/2026; Send To: Grant Manager
- Quarterly Periodic Performance Report (07/30/2026) - Covering Period of 04/01/2026 - 06/30/2026; Send To: Grant Manager

October 2026

- Quarterly Periodic Financial Report (10/30/2026) - Covering Period of 07/01/2026 - 09/30/2026; Send To: Grant Manager
- Quarterly Periodic Performance Report (10/30/2026) - Covering Period of 07/01/2026 - 09/30/2026; Send To: Grant Manager

November 2026

- Quarterly Periodic Financial Report (11/30/2026) - Covering Period of 10/01/2026 - 10/31/2026; Send To: Grant Manager
- Quarterly Periodic Performance Report (11/30/2026) - Covering Period of 10/01/2026 - 10/31/2026; Send To: Grant Manager

December 2026

- End of grant Closeout Financial Report (12/15/2026) - Covering Period of 11/01/2024 - 10/31/2026; Send To: Grant Manager
- End of grant Closeout Performance Report (12/15/2026) - Covering Period of 11/01/2024 - 10/31/2026; Send To: Grant Manager

36.4. Changes to Reporting Schedule. Changes to the schedules for periodic reporting, the external audit reports and the annual financial reports do not require a formal modification to this Agreement pursuant to Paragraph 22.4 and ARTICLE XXX, and may be changed unilaterally by the Grantor if necessitated by a change in the project schedule or at the discretion of the Grantor. The Grantee may not modify the reporting deliverable schedules in ARTICLES X, XI, XII and XXXVI unilaterally, and must obtain prior written approval from Grantor or the Grant Accountability and Transparency Unit of the Governor's Office of Management and Budget, if applicable, to change any reporting deadlines.

**ARTICLE XXXVII
GRANT-SPECIFIC TERMS/CONDITIONS**

37.1. Funding. If this Award is bond-funded, all expenditures shall be in accordance with all applicable bondability guidelines.

37.2. Use of Real Property. Grantee shall use any real property acquired, constructed or improved with Grant Funds pursuant to this Agreement to provide the programs and services specified herein for at least the Award Term stated in Paragraph 2.1. Grantee shall comply with the real property use and disposition requirements set forth in 2 CFR 200.311.

37.3. Projects Requiring External Sign-offs.

- (1) Pursuant to applicable statute(s), this Award requires sign-off by the following State agency(ies). The status of the sign-off is indicated as of the date the Award is sent to the Grantee for execution:

	AGENCY	SIGN-OFF RECEIVED	SIGN-OFF OUTSTANDING
<u>X</u>	Illinois State Historic Preservation Office	<u> </u>	<u>X</u>
<u> </u>	Illinois Dept. of Agriculture	<u> </u>	<u> </u>
<u>X</u>	Illinois Dept. of Natural Resources	<u> </u>	<u>X</u>
<u> </u>	Illinois Environmental Protection Agency	<u> </u>	<u> </u>
<u> </u>	NONE APPLICABLE	<u> </u>	<u> </u>

While **any** external sign-off is outstanding, the provisions of Item (3), immediately below apply with respect to the disbursement of funds under this Award.

NOTE: The fact that a sign-off has been received in no way relieves the Grantee of its obligation to comply with any conditions or requirements conveyed by the applicable agency(ies) in conjunction with the issuance of the sign-off for the project funded under this Agreement.

- (2) For projects subject to review by the Illinois Environmental Protection Agency (IEPA), the Grantee must, prior to construction, obtain a construction permit or “authorization to construct” from the IEPA pursuant to the provisions of the Environmental Protection Act, 415 ILCS 5/1 *et seq.*

(3) **External Sign-Off Provisions:**

- a.) The Project described in Exhibit A and funded under this Agreement is subject to review by the external agency(ies) indicated in Item (1) immediately above. Grantee must comply with requirements established by said agency(ies) relative to their respective reviews. **Any requirements communicated to the Grantor shall be incorporated into this Agreement as follows: as an attachment to this Agreement (immediately following PART THREE) at the time of the Agreement execution.** The Grantee is contractually obligated to comply with such requirements.
- b.) Grantee is responsible for coordinating directly with the applicable external agency(ies) relative to said reviews. Except as specifically provided below, the Grantor’s obligation to disburse funds under this Agreement is contingent upon notification by the applicable agency(ies) that all requirements applicable to the project described in this Agreement have been satisfied. Upon receipt of said notification, disbursement of the Grant Funds shall be authorized in accordance with the provisions of Paragraph 2.3 herein.
- c.) Prior to notification of compliance by the applicable external agency(ies), the Grantee may request disbursement of funds **only** for the following purposes: administrative, contractual, legal, engineering, or architectural costs incurred which are necessary to allow for compliance by the Grantee of requirements established by the external agency(ies). **FUNDS WILL NOT BE DISBURSED FOR LAND ACQUISITION OR ANY TYPE OF CONSTRUCTION OR OTHER ACTIVITY WHICH PHYSICALLY IMPACTS THE PROJECT SITE PRIOR TO RECEIPT BY THE GRANTOR OF THE REQUIRED NOTIFICATION FROM ALL APPLICABLE AGENCIES.**

- d.) If external sign-offs are indicated in this paragraph 37.3, disbursement of Grant Funds (whether advance or scheduled) are subject to the restrictions set forth by the External Sign-Off Provisions of this paragraph 37.3. Upon receipt of all required sign-offs, the Grantor's Accounting Division will be notified of authorization to disburse Grant Funds in accordance with the disbursement method indicated herein.

37.4. Prevailing Wage Act Compliance. The work to be performed under this Agreement is subject to the Prevailing Wage Act (820 ILCS 130/0.01 *et seq.*). Grantee shall comply with all requirements of the Prevailing Wage Act, including but not limited to: (a) inserting into all contracts for construction a stipulation to the effect that not less than the prevailing rate of wages as applicable to the project shall be paid to all laborers, workers, and mechanics performing work under the Award and requiring all bonds of contractors to include a provision as will guarantee the faithful performance of such prevailing wage clause as provided by contract and (b) all required reporting and documentation.

37.5. Compliance with Illinois Works Jobs Program Act. Grantee must comply with requirements in the Illinois Works Jobs Program Act (30 ILCS 559/Art. 20). For Awards with an estimated total project cost of \$500,000 or more, the Grantee will be required to comply with the Illinois Works Apprenticeship Initiative (30 ILCS 559/20-20 to 20-25) and all applicable administrative rules (see 14 Ill. Admin. Code Part 680). The "estimated total project cost" is a good faith approximation of the costs of an entire project being paid for in whole or in part by appropriated capital funds to construct a public work. Grantee must submit a Budget Supplement Form (available on the Grantor's website) to the Grantor within ninety (90) days of the execution of this Award. The goal of the Illinois Apprenticeship Initiative is that apprentices will perform either 10% of the total labor hours actually worked in each prevailing wage classification or 10% of the estimated labor hours in each prevailing wage classification, whichever is less. Of this goal, at least half of those apprenticeship hours shall be performed by graduates of the Illinois Works Pre-apprenticeship Program, the Illinois Climate Works Pre-apprenticeship Program, or the Highway Construction Careers Training Program. Grantee is permitted to seek from the Grantor a waiver or reduction of this goal in certain circumstances pursuant to 30 ILCS 559/20-20(b). The Grantee must ensure compliance for the life of the entire project, including during the term of the Award and after the Term ends, if applicable, and will be required to report on and certify its compliance.

37.6. Compliance with Business Enterprise Program. If applicable to this Grant, Grantee acknowledges that it is required to comply with the Business Enterprise Program for Minorities, Females, and Persons with Disabilities Act ("BEP") (30 ILCS 575/0.01 *et seq.*), which establishes a goal for contracting with businesses that have been certified as owned and controlled by persons who are minority, female or who have disabilities. Grantee shall maintain compliance with the BEP Utilization Plan submitted in conjunction with the Agreement and shall comply with all reporting requirements.

37.7. Compliance with the Employment of Illinois Workers on Public Works Act: In a period of excessive unemployment rates, Grantees (1) constructing or building any public works or (2) cleaning-up and disposing on-site of hazardous waste, and that clean-up or on-site disposal is funded or financed in whole or in part with State funds or funds administered by the State, are required to employ at least 90% Illinois laborers on such project. For projects involving clean-up and on-site disposal of hazardous waste, emergency response or immediate removal activities are excluded. This requirement applies to all labor whether skilled, semi-skilled or unskilled, whether manual or non-manual. A period of excessive unemployment rates is defined as any month immediately following two consecutive calendar months during which the level of unemployment in the State of Illinois has exceeded 5% as measured by the United States Bureau of Labor Statistics in its monthly publication of employment and unemployment figures. Any public works project financed in whole or in part by federal funds administered by the State of Illinois is covered under the provisions of this requirement, to the extent permitted by any applicable federal law or regulation. (30 ILCS 570). Grantee may receive an exception from this requirement by submitting a request and supporting documents certifying that Illinois laborers are either not available or are incapable of performing the particular type of work involved. The certification must: (a) be submitted to the agency within the first quarter of the Contract Term; (b) provide sufficient support that demonstrates the exception is met; (c) be signed by an authorized signatory of the contractor; and (d) be approved by the agency.

37.8. Interest on Grant Funds for this Award. Because this Award may be subject to the Grantor's bondability guidelines, Grantee must comply with the interest requirements contained in Paragraph 4.7 and is not permitted to retain interest earned on Grant Funds, as stated in Paragraph 26.1, unless specifically notified by Grantor that Grantee may do so.

**State of Illinois
UNIFORM GRANT BUDGET TEMPLATE**

Agency:	Illinois Department of Commerce and Economic Opportunity	State FY:	2025
Grantee:	Lake County	DUNS Number:	74591652
NOFO Number:		Grant Number:	24-413046
CSFA Description:			

Section A: State of Illinois Funds

Summary

Detail

Revenues

State of Illinois Grant Amount Requested \$30,000,000.00

Budget Expenditure Categories

1. Personnel (200.430)		
2. Fringe Benefits (200.431)		
3. Travel (200.474)		
4. Equipment (200.439)		
5. Supplies (200.94)		
6. Contractual/Subawards (200.318 and .92)		
7. Consultant (200.459)		
8. Construction	\$30,000,000.00	
1205 DESIGN/ENGINEERING		\$2,586,964.69
1209 BUILDING/LAND PURCHASE		\$375,000.00
1217 EQUIPMENT/MATERIAL/LABOR		\$13,654,641.64
1219 PAVING/CONCRETE/MASONRY		\$1,261,954.60
1221 CONSTRUCTION MGMT & OVERSIGHT		\$1,287,712.00
1225 EXCAVATION/SITE PREP/DEMO		\$7,619,720.58
1233 OTHER CONSTRUCTION EXPENSES		\$3,214,006.49
9. Occupancy (200.465)		
10. Research and Development (200.87)		
11. Telecommunications		
12. Training and Education (200.472)		
13. Direct Administrative Costs (200.413)		
14. Miscellaneous Costs		
15. Grant Exclusive Line Item(s)		
16. Total Direct Costs (add lines 1-15)	\$30,000,000.00	\$30,000,000.00
17. Total Indirect Costs (200.414)		
Rate: %		
Base:		
18. Total Costs State Grant Funds (Lines 16 and 17)	\$30,000,000.00	\$30,000,000.00

Grantee:

NOFO Number:

Grant Number:

SECTION A - Continued - Indirect Cost Rate Information

If your organization is requesting reimbursement for indirect costs on line 17 of the Budget Summary, please select one of the following options. If not reimbursement is being requested please consult your program office regarding possible match requirements.

Your organization may not have a Federally Negotiated Cost Rate Agreement. Therefore, in order for your organization to be reimbursed for the Indirect Costs from the State of Illinois your organization must either:

- a. Negotiate an Indirect Cost Rate with the State of Illinois' Indirect Cost Unit with guidance from you State Cognizant Agency on an annual basis;
- b. Elect to use the de minimis rate of 10% modified for total direct costs (MTDC) which may be used indefinitely on State of Illinois awards; or
- c. Use a Restricted Rate designated by programmatic or statutory policy (see Notice of Funding Opportunity or Restricted Rate Programs).

Select ONLY One:

- 1) ☐ Our Organization receives direct Federal funding and currently has a Negotiated Indirect Cost Rate Agreement (NICRA) with our federal Cognizant Agency. A copy of this agreement will be provided to the State of Illinois' Indirect Cost Unit for review and documentation before reimbursement is allowed. This NICRA will be accepted by all State of Illinois agencies up to any statutory, rule-based or programmatic restrictions or limitations.
- 2a) ☐ Our Organizations currently has a Negotitated Indirect Cost Rate Agreement (NICRA) with the State of Illinois that will be accepted by all State of Illinois agencies up to any statutory, rule-based or programmatic restrictions or limitations. Our Organization is required to submit a new Indirect Cost Rate Proposal to the Indirect Cost Unit within 6 months after the close of each fiscal year pursuant to 2 CFR 200, Appendiz IV(c)(2)(c).
- 2b) ☐ Our Organization currently does not have a Negotiated Indirect Cost Rate Agreement (NICRA) with the State of Illinois. Our organization will submit our initial Indirect Cost Rate Proposal (ICRP) immediately after our Organization is advised that the State award will be made no later than 3 months after the effective date of the State award pursuant to 2 CFR 200 Appendix (C)(2)(b). The initial ICRP will be sent to the State of Illinois Indirect Cost unit.
- 3) ☐ Our Organization has never received a Negotiated Indirect Cost Rate Agreement from either the federal government or the State of Illinois and elects to charge the de minimis rate of 10% modified total direct cost (MTDC) which may be used indefinitely on State of Illinois awards pursuant to 2 CRF 200.414 (C)(4)(f) and 200.68.
- 4) ☐ For Restricted Rate Programs, our Organization is using a restricted indirect cost rate that:
☐ is included as a "Special Indirect Cost Rate" in the NICRA, pursuant to 2 CFR 200 Appendix IV(5); or
☐ complies with other statutory policies.
- 5) ☒ No reimbursement of Indirect Cost is being requested.

Rate: %

Basic Negotiated Indirect Cost Rate Information (Use only if option 1 or 2(a), above is selected.)

Period Covered By NICRA: From: To: Approving Federal or State Agency:

Indirect Cost Rate: % The Distribution Base Is:

Grantee: Lake County

NOFO Number: 0

Grant Number: 24-413046

By signing this report, I certify to the best of my knowledge and belief that the report is true, complete and accurate and that any false, fictitious or fraudulent information or the omission of any material fact could result in the immediate termination of my grant award(s).

Institution/Organization: COUNTY OF LAKE

Signature: 

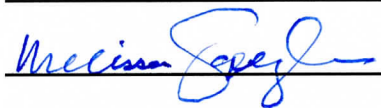
Printed Name: SANDY HART

Title: BOARD CHAIR

Phone: (847) 377-2300

Date: 11/12/2024

Institution/Organization: COUNTY OF LAKE

Signature: 

Printed Name: MELISSA GALLAGHER

Title: CFO

Phone: (847) 377-2163

Date: 11/12/2024

Note: The State Awarding Agency may change required signers based on the grantee's organizational structure. The required signers must have the authority to enter into contractual agreements on the behalf of the organization.

CERTIFICATION	STATE OF ILLINOIS UNIFORM CAPITAL GRANT BUDGET TEMPLATE	AGENCY: Commerce & Economic Opportunity
Organization Name: Lake County Stormwater Management Commission	CSFA Description:	NOFO #
CSFA #:	DUNS # and UEI # 74591652	Fiscal Year(s): FY24

(2 CFR 200.415)

"By signing this report, I certify to the best of my knowledge and belief that the report is true, complete, and accurate and that any false, fictitious, or fraudulent information or the omission of any material fact, could result in the immediate termination of my grant award(s).

Lake County Stormwater Management Commission

Institution/Organization



Signature

Michael Prusila

Name of Official

Planning Supervisor

Title

Chief Financial Officer (or equivalent)



Date of Execution

Lake County Stormwater Management Commission

Institution/Organization



Signature

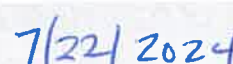
Kurt Woolfoord

Name of Official

Executive Director

Title

Executive Director (or equivalent)



Date of Execution

Note: The State awarding agency may change required signers based on the grantee's organizational structure. The required signers must have the authority to enter into contractual agreements on behalf of the organization.

Exhibit 7
Grant Compliance Requirements for the
Department of Commerce and Economic Opportunity (DCEO)
Funding Agreement #24-413046

**Grant Compliance Requirements
for the
Department of Commerce and Economic Opportunity (DCEO)
Funding Agreement#24-413046**

The Grant Agreement Between The State of Illinois, Department of Commerce and Economic Opportunity and Lake County, agreement number 24-413046 (“the Grant Agreement”) is hereby incorporated into this agreement. [Contractor] is hereby notified of and acknowledges its obligations with respect to abiding by all applicable laws, regulations, terms, and conditions of the Grant Agreement.

This document and its contents are for use by the local project sponsor for bidding, contracting and coordination purposes. A separate Intergovernmental Grant Agreement between SMC and the local sponsor will be in place to ensure agreement to these compliance obligations.

In following:

- **Table 1: DCEO Grant compliance requirements**
- **Table 2: DCEO Grant payment documentation requirement**
- **Table 3: DCEO Grant closeout documentation requirement**
- **DCEO Documentation and reimbursement procedures**
- **DCEO Reimbursement policies**
- **Example language for bidding documents**
- **Template Forms**
 - **Business Enterprise Program (BEP) Goal**
 - **How to locate certified BEP vendors for your DCEO grant project**
 - **Good faith effort documentation checklist**
 - **DCEO BEP Utilization plan**
 - **Partial BEP waiver**
 - **Illinois Works Jobs Program Act apprenticeship initiative budget supplement for public works projects funded by state appropriated capital funds**
 - **Apprenticeship goal form**
 - **Request for waiver or reduction of public works project apprenticeship goal form**
 - **Sample AIS Step certifications for domestic iron and or steel**
 - **Bidder Certification Regarding the Use of American Iron and Steel Products**

The DCEO agreement requires project compliance with the following:

Table 1: DCEO GRANT COMPLIANCE REQUIREMENTS	
REQUIRED BY PROJECT OWNER AND CONTRACTOR	
a) Prevailing Wage Act Compliance	The work to be performed under this Agreement is subject to the Prevailing Wage Act (820 ILCS 130/0.01 et seq.). Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and shall comply with all requirements of the Prevailing Wage Act, including but not limited to: (a) inserting into all contracts for construction a stipulation to the effect that not less than the prevailing rate of wages as applicable to the project shall be paid to all laborers, workers, and mechanics performing work under the agreement and requiring all bonds of contractors to include a provision as will guarantee the faithful performance of such prevailing wage clause as provided by contract and (b) all required reporting and documentation. To be documented by inclusion in bid solicitation, final contract, and included information per pay request (Table 2).
b) Steel Products Procurement Act (30 ILCS 565/1 et seq.).	The Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and, if applicable, hereby certifies that any steel products used or supplied in accordance with this Award for a public works project shall be manufactured or produced in the United States per the requirements of the Steel Products Procurement Act (30 ILCS 565/1 et seq.). To be documented by inclusion in bid solicitation, final contract, and closeout documentation Table 3 and/or Bidder Certification Regarding the Use of American Iron and Steel Products form.. Include manufacturer/supplier certification of domestic iron and steel with shop drawing submittals.
c) Domestic Preferences for Procurements.	In accordance with 2 CFR 200.322, as appropriate and to the extent consistent with law, Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and must, to the greatest extent practicable under this agreement, provide a preference for the purchase, acquisition, or use of goods, products, or materials produced in the United States (including but not limited to iron, aluminum, steel, cement, and other manufactured products). To be documented by inclusion in bid solicitation, final contract, and closeout documentation Table 3 and/or Bidder Certification Regarding the Use of American Iron and Steel Products form.. Include manufacturer/supplier certification with shop drawing submittals.
d) Business Enterprise for Minorities, Women, and Persons with Disabilities Act and Illinois Human Rights Act (30 ILCS 575/0.01; 775 ILCS 5/2-105).	The Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and acknowledges and hereby certifies compliance with the provisions of the Business Enterprise for Minorities, Women, and Persons with Disabilities Act, and the equal employment practices of Section 2-105 of the Illinois Human Rights Act for the provision of services which are directly related to the Award activities to be performed under this Agreement.

e) Compliance with Business Enterprise Program.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and acknowledges that it is required to comply with the Business Enterprise Program for Minorities, Females, and Persons with Disabilities Act (“BEP”) (30 ILCS 575/0.01 et seq.), which establishes a goal for contracting with businesses that have been certified as owned and controlled by persons who are minority, female or who have disabilities. Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and shall maintain compliance with the BEP Utilization Plan submitted in conjunction with the Agreement and shall comply with all reporting requirements. The Cumulative BEP for this funding is 28% of subproject grant award value for BEP firm designations: MBE/WMBE/WBE/WMBE (i.e. a project cost of \$2,750,000 will require \$770,000.00 in construction costs from BEP firms). To be documented by inclusion in bid solicitation, final contract, and closeout documentation Table 1, 2, and 3. To be documented with a Business Enterprise Program utilization plan, pay request waivers and final contractual paperwork. Contractor is required to submit a completed form with bid “Business Enterprise Program (BEP) Goal DCEO BEP Utilization Plan” Upon contract award by project owner, no modification of contractors BEP bid submittal is approved without input to SMC. Modification of subcontractor lists specific to BEP compliance will need to be presented to SMC for review and approval. All modification requests will need to include a summary of reasons and proposed alternative firms and/or subcontract values that contract proposes to meet BEP percentages.
f) Compliance with Illinois Works Jobs Program Act.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and must comply with requirements in the Illinois Works Jobs Program Act (30 ILCS 559/Art. 20). For Awards with an estimated total project cost of \$500,000 or more, the Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and will be required to comply with the Illinois Works Apprenticeship Initiative (30 ILCS 559/20-20 to 20-25) and all applicable administrative rules (see 14 Ill. Admin. Code Part 680). The “estimated total project cost” is a good faith approximation of the costs of an entire project being paid for in whole or in part by appropriated capital funds to construct a public work. Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and must submit a Budget Supplement Form (available on the Grantor’s website) to the Grantor within ninety (90) days of the execution of this Award. The goal of the Illinois Apprenticeship Initiative is that apprentices will perform either 10% of the total labor hours actually worked in each prevailing wage classification or 10% of the estimated labor hours in each prevailing wage classification, whichever is less. Of this goal, at least half of those apprenticeship hours shall be performed by graduates of the Illinois Works Pre- apprenticeship Program, the Illinois Climate Works Pre-apprenticeship Program, or the Highway Construction Careers Training Program. Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and is permitted to seek from the Grantor a waiver or reduction of this goal in certain circumstances pursuant to 30 ILCS 559/20-20(b). The Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and must ensure compliance for the life of the entire project, including during the term of the Award and after the Term ends, if applicable, and will be required to report on and certify its compliance.

g) Compliance with the Employment of Illinois Workers on Public Works Act.	In a period of excessive unemployment rates, Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and (1) constructing or building any public works or (2) cleaning-up and disposing on-site of hazardous waste, and that clean-up or on-site disposal is funded or financed in whole or in part with State funds or funds administered by the State, are required to employ at least 90% Illinois laborers on such project. For projects involving clean-up and on-site disposal of hazardous waste, emergency response or immediate removal activities are excluded. This requirement applies to all labor whether skilled, semi-skilled or unskilled, whether manual or non-manual. A period of excessive unemployment rates is defined as any month immediately following two consecutive calendar months during which the level of unemployment in the State of Illinois has exceeded 5% as measured by the United States Bureau of Labor Statistics in its monthly publication of employment and unemployment figures. Any public works project financed in whole or in part by federal funds administered by the State of Illinois is covered under the provisions of this requirement, to the extent permitted by any applicable federal law or regulation. (30 ILCS 570). Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and may receive an exception from this requirement by submitting a request and supporting documents certifying that Illinois laborers are either not available or are incapable of performing the particular type of work involved. The certification must: (a) be submitted to the agency within the first quarter of the Contract Term; (b) provide sufficient support that demonstrates the exception is met; (c) be signed by an authorized signatory of the contractor; and (d) be approved by the agency. To be documented per bid solicitation, contract, and final contractual paperwork and completed. Contractor is required to submit a completed form with bid "State of Illinois, Illinois Works Jobs Program Act Apprenticeship Initiative Budget Supplement for Public Works Projects Funded by State Appropriated Capital Funds." Goal is 10%
h) Illinois Works Review Panel.	For Awards made for public works projects, as defined in the Illinois Works Jobs Program Act, Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that it and any contractor(s) or subcontractor(s) that performs work using funds from this Award, must, upon reasonable notice, appear before and respond to requests for information from the Illinois Works Review Panel. 30 ILCS 559/20-25(d).
i) Clean Air Act and Clean Water Act.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that it is in compliance with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 USC 7401 et seq.) and the Federal Water Pollution Control Act, as amended (33 USC 1251 et seq.).
j) Historic Preservation Act (20 ILCS 3420/1 et seq.).	The Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and will not expend Grant Funds under this Agreement which result in the destruction, alteration, renovation, transfer or sale, or utilization of a historic property, structure or structures, or in the introduction of visual, audible or atmospheric elements to a historic property, structure or structures, which will result in the change in the character or use of any historic property, except as approved by the Illinois Department of Natural Resources, Historic Preservation Division. The Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and must not expend Grant Funds under this Agreement for any project, activity, or program that can result in changes in the character or use of historic property, if any historic property is located in the area of potential effects without the approval of the Illinois Department of Natural Resources, Historic Preservation Division. 20 ILCS 3420/3(f).

k) Land Trust Beneficial Interest Disclosure Act (765 ILCS 405/2.1)	No Grant Funds will be paid to any trustee of a land trust, or any beneficiary or beneficiaries of a land trust, for any purpose relating to the land, which is the subject of such trust, any interest in such land, improvements to such land or use of such land unless an affidavit is first filed with the Grantor identifying each beneficiary of the land trust by name and address and defining such interest therein. This affidavit must be filed with the Illinois Office of the Comptroller as an attachment to this Agreement.
l) Illinois Endangered Species Protection Act [520 ILCS 10/11], the Illinois Natural Areas Preservation Act [525 ILCS 30/17], Interagency Wetland Policy Act Title 17 Illinois Administrative Code Part 1075 and Title 17 Illinois Administrative Code Part 1090.	PROJECT OWNER AND CONTRACTOR: - If tree clearing is necessary, removing trees will occur between November 1st and March 31st to avoid impacts to bats and birds. - Good housekeeping practices should be implemented and maintained during and after construction to prevent trash and other debris from inadvertently blowing or washing into nearby natural areas. - Soil erosion and sediment control BMPs should be implemented and properly maintained. Wildlife friendly plastic-free blanket should be used to prevent the entanglement of native wildlife where practicable. - This agreement does not serve as permission to take any listed or endangered species. As a reminder, no take of an endangered species is permitted without an Incidental Take Authorization or the required permits. Anyone who takes a listed or endangered species without an Incidental Take Authorization or required permit may be subject to criminal and/or civil penalties pursuant to the Illinois Endangered Species Act, the Fish and Aquatic Life Act, the Wildlife Code and other applicable authority. - All equipment, including but not limited to boots, tools, equipment, tires, and treads, should be cleaned of all debris prior to entry of the project area, where feasible. Equipment should be power washed off-site, where feasible, to remove exotic/invasive seed or propagules. - Should any herbicide use be required for construction or operation, wind speed and direction should be carefully monitored, in order to avoid herbicide drift. - Projects near and/or adjacent to Illinois Natural Areas Inventory (INAI) sites - Parking and staging in areas adjacent to the INAI site should also be avoided. - Fencing and signage clearly delineating access limits and/or boundaries of INAI site. PROJECT OWNER - A long-term invasive species management program should be implemented to avoid the spread of invasive species.
m) Anti-Discrimination.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that its employees and subcontractors under subcontract made pursuant to this Agreement, must comply with all applicable provisions of State and federal laws and regulations pertaining to nondiscrimination, sexual harassment and equal employment opportunity including, but not limited to: Illinois Human Rights Act (775 ILCS 5/1-101 et seq.), including, without limitation, 44 Ill. Admin. Code 750- Appendix A, which is incorporated herein; Public Works Employment Discrimination Act (775 ILCS 10/1 et seq.); Civil Rights Act of 1964 (as amended) (42 USC 2000a - 2000h-6); Section 504 of the Rehabilitation Act of 1973 (29 USC 794); Americans with Disabilities Act of 1990 (as amended) (42 USC 12101 et seq.); and the Age Discrimination Act of 1975 (42 USC 6101 et seq.).
n) Bid Rigging.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that it has not been barred from contracting with a unit of State or local government as a result of a violation of Paragraph 33E-3 or 33E-4 of the Criminal Code of 2012 (720 ILCS 5/33E-3 or 720 ILCS 5/33E-4, respectively).
o) Bribery.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois, nor made an admission of guilt of such conduct which is a matter of record.

p) Criminal Convictions.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that: Neither it nor a managerial agent of Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and (for non-governmental Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and only, this includes any officer, director or partner of Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and) has been convicted of a felony under the Sarbanes-Oxley Act of 2002, nor a Class 3 or Class 2 felony under Illinois Securities Law of 1953, or that at least five (5) years have passed since the date of the conviction; and It must disclose to Grantor all violations of criminal law involving fraud, bribery or gratuity violations potentially affecting this Award. Failure to disclose may result in remedial actions as stated in the Grant Accountability and Transparency Act. 30 ILCS 708/40. Additionally, if Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and receives over \$10 million in total federal Financial Assistance, during the period of this Award, Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and must maintain the currency of information reported to SAM regarding civil, criminal or administrative proceedings as required by 2 CFR 200.113 and Appendix XII of 2 CFR Part 200, and 30 ILCS 708/40.
q) Debt to State.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that neither it, nor its affiliate(s), is/are barred from receiving an Award because Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and, or its affiliate(s), is/are delinquent in the payment of any debt to the State, unless Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and, or its affiliate(s), has/have entered into a deferred payment plan to pay off the debt.
r) Debarment.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that it is not debarred, suspended, proposed for debarment or permanent inclusion on the Illinois Stop Payment List, declared ineligible, or voluntarily excluded from participation in this Agreement by any federal department or agency (2 CFR 200.205(a)), or by the State (30 ILCS 708/25(6)(G)).
s) Discriminatory Club Dues or Fees.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that it is not prohibited from receiving an Award because it pays dues or fees on behalf of its employees or agents or subsidizes or otherwise reimburses employees or agents for payment of their dues or fees to any club which unlawfully discriminates (775 ILCS 25/2).
t) Drug-Free Workplace.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and is not an individual, Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies it will provide a drug free workplace pursuant to the Drug Free Workplace Act. 30 ILCS 580/3. If Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and is an individual and this Agreement is valued at more than \$5,000, Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies it will not

u) Equal Pay Act of 2003 (820 ILCS 112 et seq.).	If the Contractor has one (1) or more employees, it is prohibited by the Equal Pay Act of 2003 from: (a) discriminating between employees by paying unequal wages on the basis of sex for doing the same or substantially similar work; (b) discriminating between employees by paying wages to an African-American employee at a rate less than the rate at which the Contractor pays wages to another employee who is not African-American for the same or substantially similar work; (c) remedying violations of the Equal Pay Act of 2003 by reducing the wages of other employees or discriminating against any employee exercising their rights under the Equal Pay Act of 2003; and (d) screening job applicants based on their current or prior wages or salary histories, or requesting or requiring a wage or salary history from an individual as a condition of employment or consideration for employment. Any failure on behalf of the Contractor to comply with all applicable provisions of the Equal Pay Act of 2003, or applicable rules and regulations promulgated thereunder, may result in a determination that the Contractor is ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Agreement may be cancelled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked, as provided by statute or regulation.
v) Gift Ban.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and is prohibited from giving gifts to State employees pursuant to the State Officials and Employees Ethics Act (5 ILCS 430/10-10) and Illinois Executive Order 15-09.
w) Health Insurance Portability and Accountability Act.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that it is in compliance with the Health Insurance Portability and Accountability Act of 1996 (HIPAA) (Public Law No. 104-191, 45 CFR Parts 160, 162 and 164, and the Social Security Act, 42 USC 1320d-2 through 1320d-7), in that it may not use or disclose protected health information other than as permitted or required by law and agrees to use appropriate safeguards to prevent use or disclosure of the protected health information. Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and must maintain, for a minimum of six (6) years, all protected health information.
x) International Boycott.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that neither it nor any substantially owned affiliated company is participating or will participate in an international boycott in violation of the provision of the Anti-Boycott Act of 2018, Part II of the Export Control Reform Act of 2018 (50 USC 4841 through 4843), and the anti-boycott provisions set forth in Part 760 of the federal Export Administration Regulations (15 CFR Parts 730 through 774).
y) Lien Waivers.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and must monitor construction to assure that necessary contractors' affidavits and waivers of mechanics liens are obtained prior to release of Funds to contractors and subcontractors. To be documented by inclusion in bid solicitation, final contract, and included information per pay request (Table 2).

z) Lobbying.	1. Improper Influence. Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that it will not use and has not used Grant Funds to influence or attempt to influence an officer or employee of any government agency or a member or employee of the State or federal legislature in connection with the awarding of any agreement, the making of any grant, the making of any loan, the entering into of any cooperative agreement, or the extension, continuation, renewal, amendment or modification of any agreement, grant, loan or cooperative agreement. Additionally, Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that it has filed the required certification under the Byrd Anti-Lobbying Amendment (31 USC 1352), if applicable. 2. Federal Form LLL. If any federal funds, other than federally-appropriated funds, were paid or will be paid to any person for influencing or attempting to influence any of the above persons in connection with this Agreement, the undersigned must also complete and submit Federal Form LLL, Disclosure of Lobbying Activities Form, in accordance with its instructions. 3. Lobbying Costs. Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that it is in compliance with the restrictions on lobbying set forth in 2 CFR 200.450. For any Indirect Costs associated with this Agreement, total lobbying costs must be separately identified in the Program Budget, and thereafter treated as other Unallowable Costs. 4. Procurement Lobbying. Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and warrants and certifies that it and, to the best of its knowledge, its subrecipients have complied and will comply with Illinois Executive Order No. 1 (2007) (EO 1-2007). EO 1-2007 generally prohibits Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and subcontractors from hiring the then-serving Governor's family members to lobby procurement activities of the State, or any other unit of government in Illinois including local governments, if that procurement may result in a contract valued at over \$25,000. This prohibition also applies to hiring for that same purpose any former State employee who had procurement authority at any time during the one-year period preceding the procurement lobbying activity. 5. Subawards. Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and must include the language of this ARTICLE in the award documents for any subawards made pursuant to this Award at all tiers. All subrecipients are also subject to certification and disclosure. Pursuant to Appendix II(I) to 2 CFR Part 200, Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and must forward all disclosures by contractors regarding this certification to Grantor. 6. Certification. This certification is a material representation of fact upon which reliance was placed to enter into this transaction and is a prerequisite for this transaction, pursuant to 31 USC 1352. Any person who fails to file the required certifications will be subject to a civil penalty of not less than \$10,000, and not more than \$100,000, for each such failure.
aa) Non-procurement Debarment and Suspension.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that it is in compliance with Subpart C of 2 CFR Part 180 as supplemented by 2 CFR Part 376, Subpart C.
bb) Pro-Children Act.	Parties to this agreement must comply with all applicable provisions of State and federal laws and regulations pertaining to the following and certifies that it is in compliance with the Pro-Children Act of 2001 in that it prohibits smoking in any portion of its facility used for the provision of health, day care, early childhood development services, education or library services to children under the age of eighteen (18) (except such portions of the facilities which are used for inpatient substance abuse treatment) (20 USC 7181-7184).

cc) Sexual Harassment.	Parties to this agreement certifies that it has written sexual harassment policies that must include, at a minimum, the following information: (i) the illegality of sexual harassment; (ii) the definition of sexual harassment under State law; (iii) a description of sexual harassment, utilizing examples; (iv) the internal complaint process including penalties; (v) the legal recourse, investigative and complaint process available through the Department of Human Rights and the Human Rights Commission; (vi) directions on how to contact the Department of Human Rights and the Human Rights Commission; and (vii) protection against retaliation as provided by Sections 6-101 and 6-101.5 of the Illinois Human Rights Act. 775 ILCS 5/2-105(A)(4). A copy of the policies must be provided to the Grantee upon request.
dd) Victims' Economic Security and Safety Act (820 ILCS 180 et seq.).	If the Contractor has one (1) or more employees, it may not discharge or discriminate against an employee who is a victim of domestic or sexual violence, or who has a family or household member who is a victim of domestic or sexual violence, for taking up to the allowable amount of leave from work to address the domestic violence, pursuant to the Victims' Economic Security and Safety Act. 820 ILCS 180/20(a)(2). The Contractor is not required to provide paid leave under the Victims' Economic Security and Safety Act, but may not suspend group health plan benefits during the leave period. Any failure on behalf of the Contractor to comply with all applicable provisions of the Victims' Economic Security and Safety Act, or applicable rules and regulations promulgated thereunder, may result in a determination that the Contractor is ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and this Agreement may be cancelled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked, as provided by statute or regulation.

Table 2: DCEO GRANT PAYMENT DOCUMENTATION REQUIREMENT	
CONTRACTOR PAY REQUESTS (this table does not address project owner specific requirements)	
The following will all be required to be provided to SMC per project owner payment request:	
1. Pay Application, including all quantities to date and approved payment values.	
2. Certified Payrolls (Illinois Public Act 94-0515)	
3. Contractor's Affidavits/Lien Waivers (partial(s) and final).	
4. BEP Partial Waiver/ Final Waiver per applicable prime and/or subcontractor	
5. Also to be included per pay request an Excel file of quantities included in pay request per bid cost schedule.	

Table 3: DCEO GRANT CLOSEOUT DOCUMENTATION REQUIREMENT	
PROJECT OWNER, ENGINEER AND CONTRACTOR (this table does not address project owner specific requirements)	
The following will all be required to be provided in PDF file format to SMC prior to final payment by grant:	
1. Final Overall Project Schedule	7. Copy of all construction contracts funded by grant. Applicable contracts include design engineering, construction engineering, construction, as reimbursed by grant.
2. Photo Documentation (Before, During, Final)	8. Operations And Maintenance Plan
3. All Final Contract Waivers and DCEO BEP waivers	9. Maintenance/Warranty Bond
4. Copy of approved As-built Plans	10. Final Approved Shop Drawings. All materials comprised of iron and steel will require certification that material is domestically sourced from manufacturer and or supplier.
5. Copy of all Project Permits	11. Completed Illinois Works Program Act Forms of goal percentage meet and/or waiver for not meeting percentage.
6. PDF copies of all Project Easements	

DCEO DOCUMENTATION AND REIMBURSEMENT PROCEDURES

A. CONTRACT REQUIREMENTS WITH LOCAL PARTNERS

- An executed Intergovernmental Agreement is completed before DCEO Grant Funds are requested for reimbursement.
- Local Project Expense Match is due to SMC by IGA defined date.
- A completed and DCEO approved Business Enterprise Program (BEP) Goal DCEO BEP Utilization Plan

B. CRITICAL PATH ITEMS FOR PROJECT DOCUMENTATION

1. Design Engineering and Bid Documents Completed
 - a. Confirmation that bid documents have included **DCEO GRANT COMPLIANCE ITEMS**
 - b. **10-Day Notification to SMC (DCEO) prior to Issuing Public Announcement for bid solicitation.**
2. Advertise Project for Bid
 - a. Provide a bid advertisement period that is satisfactory for prime contractors needing to secure **MBE/WMBE/WBE/WMBE** subcontractors.
 - b. Submit the following items to SMC for records:
 - i. Proof of Publication of Bid Advertisement
 - ii. Bid Package (plans and specifications)
 - iii. Any Addendums
 - iv. Engineers Estimate
 - v. All Project Permits
 - vi. Any applicable easements obtained for the project
3. Project Bid Opening
 - a. Upon bid opening and review of bid results submit to SMC (DECO) the Business Enterprise Program (BEP-UP) Goal DCEO BEP Utilization Plan, the typical review is 10–14-day review period. BEP-UP is required for DCEO to review and approve BEP Utilization Plan for construction reimbursement, BEP-UP's that do not meet goal of 28% may fall outside typical review period and require additional coordination. Recommendation **to project owners is to wait for DCEO BEP-UP approval prior to recommendation of award.** *See DCEO reimbursement policies
4. Project Award
5. Notice to Proceed
 - a. Executed Contract Documents
6. Quarterly Pay Requests
 - a. Quarterly pay requests are due to SMC by the 1st of each month prior to report due date.
Reporting Dates:
 - 01/30/2025, ROUND 2 PPR/PFR Covering Period of 11/01/2024 - 12/31/2024
 - 04/30/2025, ROUND 2 PPR/PFR Covering Period of 01/01/2025 - 03/31/2025
 - 07/30/2025, ROUND 2 PPR/PFR Covering Period of 04/01/2025 - 06/30/2025
 - 10/30/2025, ROUND 2 PPR/PFR Covering Period of 07/01/2025 - 09/30/2025
 - 01/30/2026, ROUND 2 PPR/PFR Covering Period of 10/01/2025 - 12/31/2025
 - 04/30/2026, ROUND 2 PPR/PFR Covering Period of 01/01/2026 - 03/31/2026

- 07/30/2026, ROUND 2 PPR/PFR Covering Period of 04/01/2026 - 06/30/2026
 - 10/30/2026, ROUND 2 PPR/PFR Covering Period of 07/01/2026 - 09/30/2026
 - 11/30/2026, ROUND 2 PPR/PFR Covering Period of 10/01/2026 - 10/31/2026
- b. Pay requests need to comply with Table 2.
 - c. Each Pay Request should clearly list the pay items that have been recommended for payment within each pay period, and what has been completed to date.
7. DCEO Reimbursement
- a. SMC will complete DCEO Reimbursement Request Forms (Periodic Financial Report and Periodic Performance Report).
 - b. Upon DCEO approval of Periodic Financial Report and Periodic Performance Report, SMC will process reimbursements to local sponsors.
 - i. SMC will provide a template invoice to project owner.
8. Project closeout

DCEO REIMBURSEMENT POLICIES

1. DCEO will administer Lake County's DCEO reimbursement of Grant Funds as each Project's BEP Utilization Plan is submitted/approved if each individual project's BEP-UP demonstrates that 28% of construction funding will be contracted to firms certified as MBE, WMBE, WBE, and or WMBE, as opposed to waiting until all 16 BEP Utilization Plans have been approved.
2. DCEO noted that until all 16 BEP Utilization Plans have been submitted and approved the following criteria is being administered by DCEO:
 - a. *"We will only approve the utilization plan if each subproject meets the BEP Goals of 28% Overall is meet with MBE, WMBE, WBE, WMBE."*
3. Therefore, should the subproject not meet the BEP goals, the project may not be eligible for reimbursement until all 16 projects have their BEP Utilization Plans submitted and approved by DCEO. Therefore, subprojects that do not demonstrate that 28% of construction funding will be contracted to firms certified as MBE, WMBE, WBE, and or WMBE will not be reimbursed until all grant funded projects have been completed.