PROPOSAL FOR

WILLOW AVENUE UTILITY IMPROVEMENTS

February 3, 2026

CITY OF WHEATON
303 W. WESLEY STREET
WHEATON, ILLINOIS 60187
(630) 260-2000

PREPARED BY:

Thomas Engineering Group, LLC
762 Shoreline Drive, Suite 200
Aurora, IL 60504

NOTICE TO BIDDERS

The City of Wheaton, Illinois will **accept sealed bid proposals for the WILLOW AVENUE UTILITY IMPROVEMENTS project for the City of Wheaton, Illinois, until 11:00 a.m. local time on Tuesday, February 17, 2026,** at the City Hall of the City of Wheaton, 303 W Wesley Street, Wheaton, Illinois, 60187, at which time bids will be publicly opened and read aloud.

Paper copies of the bidding documents are not available at the City of Wheaton. Digital bidding documents are available through DemandStar website at (https://network.demandstar.com), or on the City of Wheaton website (www.wheaton.il.us) . The City is not responsible for documents distributed by any other source. Please contract DemandStar for assistance in free membership registration, downloading, and working with the digital project information.

All bid proposals are to be made on the forms provided and will be made a part of the contract documents to be executed with the City. Bid proposals are to be received in a sealed envelope. The envelope shall be marked: **"Sealed Bid – Willow Avenue Utility Improvements Project", *and the name of the bidder*.**

The work as shown on the Plans and as specified herein for the Willow Avenue Utility Improvements project includes improvements to water main, sanitary sewer, and associated work tasks within Willow Ave right-of-way between S. West St and S. Wheaton Ave, in DuPage County, IL.

The scope of work includes open cut DIP water main and PVC sanitary sewer replacement including, but not limited to, installation of 410' of 12" ductile iron pipe water main and appurtenances, water service line and valve replacement, existing water main and appurtenances abandonment, sanitary main bypass pumping, removal and replacement of 418' of 8" sanitary sewer main, sanitary service pipe connections to new main, storm sewer pipe and structure repair and/or replacement, intermittent P.C.C. curb and gutter replacement, pavement patching, landscaping restoration, erosion and sediment control, and all incidental and collateral work necessary to complete the project as shown on the Plans and specifications. The total length of the project is approx. 420 feet (0.08 miles)

No bidder may withdraw his/her bid after the scheduled closing time. This contract will be governed by the prevailing wage act.

The City reserves the right to reject any and all bid proposals, to waive any informality in any bid proposal, to re-advertise the proposed services, and to accept the proposal most advantageous to the City.

Illinois Department of Transportation

Local Public Agency
Formal Contract Proposal

COVER SHEET

Proposal Submitted By:

Contractor's Name

Willow Avenue Utility Improvements

Contractor's Address	City	State	Zip Code

STATE OF ILLINOIS

Local Public Agency	County	Section Number
City of Wheaton	DuPage	

Route(s) (Street/Road Name)	Type of Funds
Willow Avenue between S West St and S Wheaton Ave	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)
City of Wheaton	DuPage		Willow Avenue between S West

NOTICE TO BIDDERS

Sealed proposals for the project described below will be received at the office of The Procurement Officer (Name of Office)

303 W. Wesley Street, Wheaton, Illinois 60187 (Address) until _____ (Time) on _____ (Date).

Sealed proposals will be opened and read publicly at the office of The Procurement Officer (Name of Office)

303 W. Wesley Street, Wheaton, Illinois 60187 (Address) at _____ (Time) on _____ (Date).

DESCRIPTION OF WORK

Location	Project Length
Willow Avenue (between West Street and Wheaton Avenue)	420 FT

Proposed Improvement

Construction of 410 FT of new 12" DIP water main, installation of new water main fittings, water services (2), valve vaults, valve boxes, and fire hydrants, removal and replacement of 420 FT of 8" PVC sanitary main, connection of existing sanitary services, abandonment of existing 6” and 12” water main and valve vaults, removal of existing valves, water services and fire hydrants.

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

The City of Wheaton's website and DemandStar are the official sources for all documents related to this solicitation. The City is not responsible for documents distributed by any other source.

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)
City of Wheaton	DuPage		Willow Avenue between S Wes

PROPOSAL

1. Proposal of Willow Avenue Utility Improvements
   Contractor's Name

   .
   Contractor's Address

2. The plans for the proposed work are those prepared by Thomas Engineering Group, LLC and approved by the Department of Transportation on N/A .

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 08/28/26 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: City of Wheaton Treasurer of _____ .
    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)
City of Wheaton	DuPage		Willow Avenue between S West

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 or 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)
City of Wheaton	DuPage		Willow Avenue between S West

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

Signature & Date

Title

Business Address

City | State | Zip Code

Insert Names of Officers

President

Attest:

Secretary

Secretary

Treasurer

Illinois Department of Transportation

Schedule of Prices

Contractor's Name

Contractor's Address | City | State | Zip Code

Local Public Agency | County | Section Number

City of Wheaton | DuPage |

Route(s) (Street/Road Name)

Willow Avenue between S West St and S Wheaton Ave

Schedule for Multiple Bids

Combination Letter	Section Included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications.)

Item Number	Items	Unit	Quantity	Unit Price	Total
1	ONE YEAR GUARANTEE	L SUM	1		
2	TRAF CONT & PROTECTION	L SUM	1		
3	CONSTRUCTION LAYOUT	L SUM	1		
4	DUST CONTROL WATERING	UNIT	20		
5	INLET FILTERS	EACH	6		
6	CONC TRUCK WASHOUT	EACH	1		
7	TREE PROTECTION	EACH	5		
8	TREE ROOT PRUNING	EACH	4		
9	TREE REMOVAL (6-15 IN)	UNIT	15		
10	EXPLORATORY EXCAVATION	EACH	2		
11	AGGREGATE-TEMP ACCESS	TON	52		
12	TEMP PATCHING, 3"	SQ YD	492		
13	HMA SURFACE RMVL, 3"	SQ YD	442		
14	COMB CURB GUTTER RMVL	FOOT	125		
15	COMB C&G, B6.12	FOOT	125		
16	PCC SIDWALK RMV & RPL,4"	SQ FT	200		
17	DETECTIBLE WARNINGS	SQ FT	8		
18	DIWM CL52 RSTRD JTS 12"	FOOT	390		
19	POLY ENCASEMENT	FOOT	435		
20	WATER VALVES & BOX 4"	EACH	1		

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
City of Wheaton	DuPage		Willow Avenue between

Item Number	Items	Unit	Quantity	Unit Price	Total
21	WATER VALVES & BOX 6"	EACH	2		
22	WATER VALVES & BOX 12"	EACH	2		
23	FIRE HYD W/AUX VLV & BOX	EACH	1		
24	FIELD LOK GASKETS	EACH	10		
25	CUT IN CONNECTION	EACH	2		
26	WATER SERV LINE 4"	FOOT	15		
27	WATER SERV LINE 6"	FOOT	30		
28	CUT & INSTL END CAPS 6"	EACH	5		
29	CUT & INSTL END CAPS 12"	EACH	5		
30	ADJUSTING WATER MAIN 6"	FOOT	10		
31	ADJUSTING WATER MAIN 12"	FOOT	20		
32	SANITARY MANHOLE	EACH	1		
33	SAN SEWER SDR26 PVC 8"	FOOT	418		
34	CONN TO EX SAN MH	EACH	2		
35	SAN SERV LINE 6"	EACH	137		
36	SAN SEWER REMOVAL 8"	FOOT	418		
37	CUT & CAP SANITARY PIPE	EACH	10		
38	STM SEWER REMOVAL 12"	FOOT	23		
39	CATCH BASIN 3' DIA FR & GR	EACH	1		
40	STM SEW R&R WM REQ 6"	FOOT	10		
41	STM SEW R&R WM REQ 8"	FOOT	10		
42	STM SEW R&R WM REQ 10"	FOOT	8		
43	STM SEW R&R WM REQ 12"	FOOT	43		
44	STM SEW R&R WM REQ 15"	FOOT	42		
45	STM SEW R&R WM REQ 27"	FOOT	30		
49	INLETS TO BE RECONST	EACH	1		
47	CONNECT TO EX STRUCTUR	EACH	1		
48	TRENCH BACKFILL	CU YD	740		
49	CL D PATCH TY I 9"	SQ YD	10		
50	CL D PATCH TY II 9"	SQ YD	32		
51	CL D PATCH TY III 9"	SQ YD	30		
52	CL D PATCH TY IV 9"	SQ YD	180		
53	HMA SFC IL-9.5 MIX D N50 3"	TON	90		
54	FIRE HYDNTS TO BE REM	EACH	1		
55	VALVE BOX REMOVED	EACH	5		
56	WTR VLV W/BOX RMVL 6"	EACH	1		
57	WTR VLV W/BOX RMVL 12"	EACH	1		

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
City of Wheaton	DuPage		Willow Avenue between S

58	PCC DRIVE RMVL & RPLC	SQ YD	16		
59	SODDING	SQ YD	100		
60	SUPPLE WATERING	UNIT	10		
61	THPL PVT MK LINE 24"	FOOT	106		
62	SPL/NON SPL WASTE DSPSL	CU YD	20		
				Bidder's Total Proposal	

1. Each pay item should have a unit price and a total price.
2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
4. A bid may be declared unacceptable if neither a unit price or total price is shown.

Illinois Department of Transportation

Local Public Agency Proposal Bid Bond

Local Public Agency	County	Section Number
City of Wheaton	DuPage	

WE, _____ as PRINCIPAL, and

_____ 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 _____ (Day) of _____ (Month and Year)

Principal

Company Name	Company Name
Signature & Date	Signature & Date
By:	By:
Title	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	Signature of Attorney-in-Fact Signature & Date
	By:

STATE OF IL

COUNTY OF

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

_____

(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 _____ (Day) day of _____ (Month and Year) .

Notary Public Signature & Date

(SEAL, if required by the LPA)

Date commission expires _____

Local Public Agency	County	Section Number
City of Wheaton	DuPage	

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

Company/Bidder Name

Signature & Date

Title

Illinois Department of Transportation

Apprenticeship and Training Program Certification

Local Public Agency	County	Street Name/Road Name	Section Number
City of Wheaton	DuPage	Willow Ave	

All contractors are required to complete the following certification

☐ For this contract proposal or for all bidding groups in this deliver and install proposal.

☐ For the following deliver and install bidding groups in this material proposal.

Illinois Department of Transportation policy, adopted in accordance with the provisions of the Illinois Highway Code, requires this contract to be awarded to the lowest responsive and responsible bidder. The award decision is subject to approval by the Department. In addition to all other responsibility factors, this contract or deliver and install proposal requires all bidders and all bidder's subcontractors to disclose participation in apprenticeship or training programs that are (1) approved by and registered with the United States Department of Labor's Bureau of Apprenticeship and Training, and (2) applicable to the work of the above indicated proposals or groups. Therefore, all bidders are required to complete the following certification:

1. Except as provided in paragraph 4 below, the undersigned bidder certifies that it is a participant, either as an individual or as part of a group program, in an approved apprenticeship or training program applicable to each type of work or craft that the bidder will perform with its own employees.

2. The undersigned bidder further certifies, for work to be performed by subcontract, that each of its subcontractors either (A) is, at the time of such bid, participating in an approved, applicable apprenticeship or training program; or (B) will, prior to commencement of performance of work pursuant to this contract, establish participation in an approved apprenticeship or training program applicable to the work of the subcontract.

3. The undersigned bidder, by inclusion in the list in the space below, certifies the official name of each program sponsor holding the Certificate of Registration for all of the types of work or crafts in which the bidder is a participant and that will be performed with the bidder's employees. Types of work or craft that will be subcontracted shall be included and listed as subcontract work. The list shall also indicate any type of work or craft job category for which there is no applicable apprenticeship or training program available.

4. Except for any work identified above, if any bidder or subcontractor shall perform all or part of the work of the contract or deliver and install proposal solely by individual owners, partners or members and not by employees to whom the payment of prevailing rates of wages would be required, check the following box, and identify the owner/operator workforces and positions of ownership. ☐

The requirements of this certification and disclosure are a material part of the contract, and the contractor shall require this certification provision to be included in all approved subcontracts. The bidder is responsible for making a complete report and shall make certain that each type of work or craft job category that will be utilized on the project is accounted for and listed. The Department at any time before or afterward may require the production of a copy of each applicable Certificate of Registration issued by the United States Department of Labor evidencing such participation by the contractor and any or all of its subcontractors. In order to fulfill the participation requirement, it shall not be necessary that any applicable program sponsor be currently taking or that it will take applications for apprenticeship, training or employment during the performance of the work of this contract or deliver and install proposal.

Bidder

Signature & Date

Title

Address	City	State	Zip Code

Illinois Department of Transportation

Affidavit of Illinois Business Office

Local Public Agency	County	Street Name/Road Name	Section Number
City of Wheaton	DuPage	Willow Ave	

I, _____ of _____ , _____ ,
Name of Affiant | City of Affiant | State of Affiant

being first duly sworn upon oath, state as follows:

1. That I am the _____ of _____ .
Officer or Position | Bidder

2. That I have personal knowledge of the facts herein stated.

3. That, if selected under the proposal described above, _____ , will maintain a business office in the
Bidder

State of Illinois, which will be located in _____ 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

Print Name of Affiant

Notary Public

State of IL

County _____

Signed (or subscribed or attested) before me on _____ by
(date)

_____ , authorized agent(s) of
(name/s of person/s)

_____ .
Bidder

Notary Public Signature & Date

(SEAL)

My commission expires _____

INDEX OF SPECIAL PROVISIONS

1. *FORMAL CONTRACT PROPOSAL
    A. *PROPOSAL COVER
    B. *NOTICE TO BIDDERS
    C. *PROPOSAL (IDOT FORM BLR 12200)
    D. *SCHEDULE OF PRICES (IDOT FORM BLR 12201)
    E. *LOCAL AGENCY PROPOSAL BID BOND (IDOT FORM BLR 12230)
    F. *APPRENTICESHIP AND TRAINING CERTIFICATION (IDOT FORM BLR 12325)
    G. *AFFIDAVIT OF ILLINOIS BUSINESS OFFICE (IDOT FORM 12326)
    H. *CONTRACTOR CERTIFICATIONS
    I. *SIGNATURES
2. INDEX OF SPECIAL PROVISIONS (THIS SHEET)
3. SPECIAL PROVISIONS (IDOT FORM BLR 11310)
    A. PROPOSED IMPROVEMENTS
    B. CITY OF WHEATON ENGINEERING DEPARTMENT SPECIAL PROVISIONS
    C. ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM
    D. CERTIFICATION OF INSURANCE (AS PROOF OF INSURANCE)
    E. CERTIFICATION FORM
    F. LISTING OF SUBCONTRACTORS, CONSULTANTS AND AGENTS
    G. LOW IMPACT DESIGN FORM
    H. NOTICE OF DEVIATIONS
    I. REFERENCES
    J. W-9 FORMS
    K. CITY OF WHEATON WATER DISTRIBUTION SPECIFICATIONS/FITTINGS
    L. PRODUCT INFORMATION AND SPECIFICATION LIST
    M. DETAILS
    N. TRENCH BACKFILL CHART
    O. INDEX FOR SUPPLEMENTAL SPECIFICATIONS AND RECURRING SP
    P. CHECK SHEET FOR RECURRING SPECIAL PROVISIONS
    Q. CHECK SHEET FOR LOCAL ROADS AND STREETS RECURRING SP
    R. LOCAL ROADS SPECIAL PROVISIONS
    P. IDOT DISTRICT 1 SPECIAL PROVISIONS
    Q. CHECK SHEET FOR BDE SPECIAL PROVISIONS
    R. BDE SPECIAL PROVISIONS
4. CITY OF WHEATON SWPPP PLAN
5. SOIL LABORATORY TESTING (pH DETERMINATION)
6. IDOT DISTRICT 1 DETAILS
7. IDOT HIGHWAY STANDARDS NOT SHOWN IN PLAN SET
8. AFFIDAVIT OF AVAILABILITY (BC-57)
9. SEALED BID – ENVELOPE LABEL

* indicates parts of proposal to be returned with bid

WILLOW AVENUE UTILITY IMPROVEMENTS PROJECT

SPECIAL PROVISIONS

PROPOSED IMPROVEMENTS

Water main and sanitary sewer open cut replacement including, but not limited to, installation of 410' of 12" ductile iron pipe water main and appurtenances, water service line and valve replacement, existing water main and appurtenances abandonment, sanitary main bypass pumping, removal and replacement of 418' of 8" sanitary sewer main, sanitary service pipe connections to new main, storm sewer pipe and structure repair and/or replacement, intermittent P.C.C. curb and gutter replacement, pavement patching, landscaping restoration, erosion and sediment control, and all incidental and collateral work necessary to complete the project as shown on the Plans and specifications. The total length of the project is approx. 420 feet (0.08 miles).

CITY OF WHEATON ENGINEERING DEPARTMENT SPECIAL PROVISIONS

PREQUALIFICATION OF BIDDERS

Effective: 1/1/10

Add the following to Section 102 of the Standard Specifications:

"Each prospective bidder, in evidence of competence, shall furnish the Awarding Authority as a prerequisite to the release of proposal forms by the Awarding Authority, a certified or photo static copy of a "Certificate of Eligibility" issued by the Illinois Department of Transportation, according to the IDOT "Prequalification Manual".

CERTIFICATE OF INSURANCE

Add the following after the third paragraph of Article 107.27 of the Standard Specifications:

"A certificate of insurance shall be executed by the bidders and insurance company. Said certificate of insurance must name the City of Wheaton as additionally insured. No WORK of any kind will begin until a suitable certificate of insurance has been submitted and approved by the MUNICIPALITY."

COURT OF JURISDICTION

Effective: 1/1/10

The parties agree that any and all disputes, disagreements or litigation, by, between, or amongst them, related to this contract shall be exclusively heard and resolved in the courts of Eighteenth Judicial Circuit, DuPage County, Illinois

PROGRESS SCHEDULE

Add the following after the second paragraph of Article 108.02 of the Standard Specifications:

Work on each street or subdivision shall proceed in a continuous manner. Each street or subdivision shall be considered as a contract within itself. Each phase of work such as underground, patching, concrete curb and gutter, concrete flatwork, paving, landscaping, etc., shall begin within three (3) days of the completion of the previous controlling phase. Should the contractor fail to begin working on a controlling phase within three (3) days of completion of the previous phase on each street or subdivision, or within such extended time as may have been allowed, the contractor shall be liable to the owner in the amount of $1,025.00 per calendar day, not as a penalty, but as liquidated damages, for each day beyond the third day after completion of the previous controlling work phase.

The Special Provisions specify the number of working days required to complete each street or subdivision. The contractor shall be held responsible for complying with this schedule unless a revised written work-day schedule is submitted to the engineer for approval on each street and/or subdivision under this contract.

The Contractor shall provide a construction schedule by the time of the preconstruction conference which shall meet the following considerations:

All work required as part of this project shall be completed no later than August 28, 2026.

Restoration of parkways shall be completed no later than August 28, 2026 Failure to restore all areas by August 28, 2026, shall result in liquidated damages.

ONE YEAR GUARANTEE

Revised: 1/21/13

Any defective material, or workmanship, or any unfaithful or imperfect work, which may be discovered before the final acceptance of the work and/or within one (1) year thereafter, shall be corrected immediately on the requirements of the Engineer, without extra charge, notwithstanding that it may have been overlooked in the previous inspections and estimates.

Failure to review construction documents shall not relieve the Contractor from any obligation to perform sound and reliable work as herein described.

To insure compliance with this provision, the Contractor shall provide the City with a Maintenance Bond for 10 percent of the final contract amount. This Bond shall cover a period of one (1) year from the date of final acceptance, which shall be defined as the date of the final payment estimate.

The Contractor warrants to the Owner and Engineer that all materials and equipment furnished under the Contract will be new and, in the case of equipment, in good working order, that all materials, equipment and labor furnished under the Contract will be free from defects of any kind and shall be in strict conformance with the contract requirements. This warranty shall not be restricted by the limitations of any manufacturer's warranty. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. Liability or refusal of a Subcontractor or equipment supplier responsible for the defective work or materials, to correct or replace same, shall not excuse the Contractor from performing under this warranty.

This item shall be paid for at the Contract unit price per lump sum for **ONE YEAR GUARANTEE**, which price shall be payment in full for guarantee provisions noted herein.

WATER AND SEWER MAIN CONSTRUCTION

Effective: 1/1/10

Water and Sewer Main Construction shall conform to "*The Standard Specifications for Water and Sewer Main Construction in Illinois*", 8th Edition, Updated, or the most current version (Hereinafter referred to as Standard Specification for Water and Sewer Main Construction)

PRECONSTRUCTION MEETING

Effective: 1/1/10
Revised: 1/21/13

A preconstruction conference shall be held between the Contractor, the Engineer and various other representatives before construction starts, to discuss scheduling, contracts, handling of materials,

payments, and any other information relative to the work.

The Contractor shall provide a schedule to the Engineer for review and approval at the time of the meeting.

DIRT ON PAVEMENT OR STRUCTURES

Revised 1/21/13

Add the following after the first paragraph of Article 107.15 of the Standard Specifications:

"All areas other than pavement shall be cleaned up as directed by the ENGINEER. The CONTRACTOR shall remove all refuse and unused material of any type and clean all areas disrupted from work. This shall include, but not limited to, restoring surface drainage in earthen areas to ensure acceptable surface water runoff.

Failure to comply within 24 hours after receipt of a written or email request from the MUNICIPALITY shall result in deduction in the contract amount for reimbursement to the MUNICIPALITY to complete this work."

USE OF FIRE HYDRANTS

Revised: 1/21/13

Add the following after the first paragraph of Article 107.18 of the Standard Specifications:

"Water shall be available to the CONTRACTOR free of charge during construction operations. The CONTRACTOR shall be responsible for accountability of water usage by means of a water meter. A water meter is available and may be obtained from the City of Wheaton Water Department for a deposit of Seven Hundred Dollars ($700) which shall be refunded upon return of the meter in good condition, to the City of Wheaton Water Department."

EARTH AND ROCK EXCAVATION

Add the following to the first paragraph of Article 202.08 of the Standard Specifications:

"This line-item unit price shall include excavation for drainage ditches on streets which call out for ditch construction. No additional compensation shall be given for the removal and disposal of material excavated but instead shall be considered included in the contract."

CONSTRUCTION REQUIREMENTS

Add the following after the last paragraph of Article 202.03 of the Standard Specifications:

"No additional compensation shall be given for the installation, removal and disposal of material used but shall be considered included in the contract."

DISPOSAL OF EXCAVATED MATERIAL

This work shall consist of meeting IEPA requirements for the disposal of excavated material including, but not limited to, clean construction or demolition debris (CCDD), uncontaminated soil, and/or contaminated soil. **Excavated materials must be removed from the site by the end of each day.**

The City has retained a geotechnical consultant to perform material testing for CCDD Compliance. Results are provided herein. The contractor shall retain their own independent testing company if a dispute with the test result occurs or additional testing is deemed necessary by fill site operators. No additional compensation shall be given to the contractor.

It will be the Contractors sole responsibility to dispose all the excavated material as part of this contract. Excavated material requiring non-special or special waste disposal will be paid for at the contact unit price per cubic yard for Special/Non-Special Waste Disposal. The Contractor will be responsible to provide soil fill site operators with all testing information and fees as required by the IEPA and fill site operators. The contractor is required to submit an invoice from the soil fill site to be paid for all special/non special waste disposals. Soil testing and reporting will not be paid for separately, but shall be included in the cost of disposal.

TRAFFIC CONTROL AND PROTECTION

Add the following after the fifth paragraph of Article 701.04 of the Standard Specifications.

“The Contractor shall insure that all traffic control devices installed by him are operational, functional, and effective 24-hours a day, including Sundays and Holidays.

When traffic is to be directed over a detour route, the Contractor shall furnish, erect, maintain and remove all applicable traffic control devices along the detour route according to the details shown in the plans.

The Contractor shall maintain at least one lane of traffic at all times on two lane roads and at least one lane in each direction on four or more lane roads, during the construction of this project. Two flaggers will be required at all times for each separate operation where two-way traffic is maintained over one lane of pavement. The Contractor shall also maintain entrances, side roads, and pedestrian pathways along the proposed improvement. Interference with traffic and pedestrian movements and inconvenience to owners of abutting property and the public shall be kept to a minimum.

The Contractor shall provide additional signage as may be requested by the Engineer.

The Contractor may request to provide a detour, or detours, if the Contractor determines a detour is beneficial to their means and methods, or if safety conditions require it as determined by the Engineer. A Detour Plan must be approved by the Engineer prior to any detour work taking place.

Delays to the Contractor caused by complying with these requirements shall be included in the cost of **TRAFFIC CONTROL AND PROTECTION**, and no additional compensation shall be allowed.”

Add the following to the third paragraph of Article 701.18(b) in the Standard Specifications.

“A sufficient quantity of replacement devices based on vulnerability to damage shall be readily available to meet this requirement.”

Revise the third paragraph of Article 701.18(b) of the Standard Specifications to read:

“In an emergency as determined by the Engineer, the Municipality reserves the right to immediately affix temporary repairs, placement of barricades, or provide temporary access at driveways, trench crossing, or pavement rehabilitation areas by Municipality personnel at time and one-half pay rate plus any rental and/or material costs incurred and the Contractor agrees that in such event, the Municipality may charge such costs that may be incurred against the Contractor or his surety.”

Revise Article 701.19 of the Standard Specifications to read:

“Method of Measurement: **TRAFFIC CONTROL AND PROTECTION** will be measured on a lump sum basis, including costs for detour signage and setup, and additional signage, as may be requested by the Contractor or Engineer”

Revise Article 701.20 of the Standard Specifications to read:

“Basis of Payment: This work shall be paid for at the contract lump sum price for **TRAFFIC CONTROL AND PROTECTION**, which price shall be payment in full for all labor, materials, transportation, handling, and incidentals necessary to furnish, install, maintain, replace, relocate, and remove all traffic control devices indicated in the plans and specifications. The salvage value of the materials removed shall be reflected in the bid price for this item.”

CONSTRUCTION LAYOUT

This Special Provision amends the provisions of the Standard Specifications for Road and Bridge Construction and shall amend or supersede the provisions of Article 105.09 Survey Control Points. 105.09 Construction Layout Stakes.

The Contractor will be required to furnish and place construction layout stakes for this project, locate and reference the centerline of survey, and centerline at all intersecting roads and streets, and establish benchmarks along the line of the improvement outside construction limits. Locating and referencing the centerline of survey shall consist of locating and referencing control points such as point of curvature, point of tangent, and any sufficient points on tangent to provide for proper construction of radiuses. Control points shall be identified in the field to the Engineer and the field notes shall be kept in the office of the Engineer.

The Contractor shall provide field forces and set all additional stakes for this project, including interchanges, which are needed to establish offset stakes, reference points, slope stakes, pavement and curb line and grade, stakes for bridges, culverts, sewers and drainage structures, paved gutters, walls, monuments, fence, right-of-way lines, and any other horizontal or vertical controls, including supplementary bench marks, necessary to secure a correct layout of the work. Grading slope stakes shall be set at sufficient intervals (not to exceed 30 meters (100 feet)) to accurately outline the slopes. Stakes for line and grade of pavement and/or curb shall be set at sufficient station intervals (not to exceed 15 meters (50 feet)) to assure substantial conformance to plan line and grade. Staking of right-of-way lines shall consist of placing tall stakes, properly identified and readily discernible, at points of change in width or direction of the right-of-way and at points along the line so that at least two stakes can be seen distinctly from any point of the line. Right-of-way lines shall be staked at locations where construction is to be performed, prior to beginning construction. The Contractor will not be required to set additional stakes to locate a utility line which is not included as a pay item in the contract, or to determine the property line between properties.

The Contractor shall be responsible for having the finished work substantially 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 their responsibility to secure the proper dimensions, grades and elevations of the several parts of the work.

The Contractor shall exercise care in the preservation of stakes and benchmarks, and shall have them reset at their expense when any are damaged, lost, displaced or removed. The Contractor shall use competent personnel and suitable equipment for the layout work required. The Contractor shall not engage the services of any person or persons in the employ of the Village of Burr Ridge for the performance of any of the work covered by this item.

It is emphasized that the establishment of the centerline of survey and benchmark circuit is critical to the start of construction and must be accomplished at the earliest possible time by the Contractor and properly documented and approved by the Resident Engineer as described below.

Responsibility of the Contractor

1) The Contractor will locate and reference the centerline of all roads and streets except interchange ramps. The centerline of private entrances and short street intersection returns need not be located or referenced by the Contractor. Locating and referencing the centerline of survey will consist of locating and referencing the control points of the centerline such as PC's, PT's and as many POT's as are necessary to provide a line of sight.

2) Benchmarks will be established along the project outside of construction lines and at each major structure over 6 meters (20 feet) in span length, and intervals not exceeding 300 meters (1000 feet) horizontally and 6 meters (20 feet) vertically.

3) Stakes set for 1) and 2) above shall be identified in the field to the Engineer and the field notes kept in the Engineer's office for reference by him.

4) The Contractor will set all other stakes necessary to establish limits and elevations of the work and shall define right-of-way for the project.

5) The right-of-way shall be considered to be defined when stakes readily discernible, have been placed at points of change in width or direction of the right-of-way line and at points along the line so that at least two such right-of-way stakes can be seen from any point on the line. The Contractor should note that utility relocation may be dependent upon the proper delineation of right-of-way. Staking of the right-of-way must be accomplished at the earliest possible time.

6) The Contractor will not be required to set additional stakes to locate a utility line or to determine the property line between properties.

7) Field notes shall be kept in standard survey field notebooks and these books shall become the property of the Village of Burr Ridge at the completion of the project.

8) It is not considered the responsibility of the Contractor to make a detailed check of the accuracy of the Plans, however, it is expected that the Contractor will advise the Village promptly of known errors in the Plans.

Method of Measurement and Basis of Payment. This item will be paid for at the contract lump sum price for CONSTRUCTION LAYOUT, which price shall be payment in full for all services, materials, labor, equipment, tools and incidentals to complete this item.

DUST CONTROL WATERING

Revised: 1/21/13

Add the following after the fourth paragraph of Article 107.36 of the Standard Specifications:

“Dust shall be controlled by sweeping, vacuuming and wetting pavement in a manner to mitigate

excessive dust and debris in the pavement. The Contractor shall provide a sweeper at the end of each work week or as directed by the Engineer.

The Contractor shall have a maximum of 4 hours to respond to the Engineers request. Failure to comply with this request shall result in a stoppage of work until the site is hand swept to the Engineer's satisfaction. The Contractor shall sweep all pavements at the end of the day before 5:00PM.

Failure to comply shall result in a penalty of $ 800.00 per day."

Revise the last paragraph of Article 107.36 to read as follows:

"Method of Measurement. The work will be measured for payment in units of ½ hours of sweeping time. The Contractor shall provide the Engineer with copies of sweeping service receipts containing records of the location, date, and number of hours the sweeping equipment was in use in the Municipality.

Basis of Payment. Sweeping and wetting of streets will be paid for at the contract unit price per unit for DUST CONTROL WATERING."

INLET FILTERS

Effective: 1/1/10

Add the following after the second subparagraph of Article 280.04(c) of the Standard Specification:

"Inlet Filter Systems shall be the "Catch-All" with Overflow, as furnished by MarMac Manufacturing Co., or approved equal. "Dandy Sacs" will not be allowed.

The Filter bag shall be constructed of a polypropylene filter geotextile fabric with a minimum weight of 4 ounces per square yard, a minimum flow rate of 145 gallons per minute per square foot, and designed for a minimum silt and debris capacity of 2 cubic feet. The filter bag shall be reinforced with a polyester mesh fabric with a minimum weight of 4 ounces per square yard. The filter bag shall be suspended from a galvanized steel ring, or frame conforming to ASTM-A36, utilizing a stainless steel band and locking clamp. The frame shall be designed with an overflow feature to prevent any ponding between scheduled cleanings."

Add the following after first paragraph of Article 280.05 of the Standard Specifications:

"The Contractor shall inspect, and clean all inlet erosion control every week or after a half inch rainfall, or as directed by the Engineer."
Revise the second paragraph of Article 280.08 of the Standard Specifications to read:
"Maintenance of temporary erosion control systems shall be included in the cost of this item."
Revise the second paragraph of Article 280.08(d) of the Standard Specifications to read:
"All costs for furnishing, installing, and maintaining inlet filters, shall be paid for at the contract unit price per each for **INLET FILTERS**."

CONCRETE TRUCK WASHOUT

Description. This work consists of the installation, maintenance and subsequent removal and disposal of a concrete washout basin and shall be done in accordance with Section of the Standard

Specifications and as shown on the plans. The washout basin and concrete materials within shall be removed after concrete items have been installed.

A concrete washout basin shall be supplied as necessary to accommodate concrete delivery operations. The washout basin location(s) must be approved by the Engineer prior to installation.

Method of Measurement and Basis of Payment. This work will not be paid for separately, but costs shall be included in other Portland Cement Concrete pay items.

TREE ROOT PRUNING

Effective: 1/1/11

Add the following after the first paragraph of Article 201.06 of the Standard Specifications:

"A copy of a letter of qualification shall be provided to the Engineer for inspection."

Add the following after the second paragraph of Article 201.06 of the Standard Specifications:

"All cut roots exposed shall be cleared from the site and disposed of without any additional compensation for the work."

EXPLORATORY EXCAVATION

Effective: 1/1/10

Description. This work shall consist of the Contractor making excavations to determine the exact horizontal and vertical locations for various underground utilities as directed by the engineer. It shall include any necessary bracing and shoring as well as backfill and compaction.

Basis of Payment. This work shall be paid for at the contract unit price each for **EXPLORATORY EXCAVATION**.

Which price shall be payment in full for all machine sawing, excavation, trench backfill, materials, labor, trench shoring and any equipment necessary to perform the work.

Backfill material shall either be native materials in locations where there will be no structures built upon the fill, or aggregate trench backfill in areas upon which will be constructed pavements or concrete.

Permanent pavement patching shall be paid for separately.

TEMPORARY PATCHING, 3"

This work consists of furnishing equipment, labor, tools and materials necessary to provide a temporary hot-mix asphalt (HMA) surface as shown on the plans or at other locations as directed by the Engineer according to the applicable requirements of Section 408 of the Standard Specifications for Road and Bridge Construction.

The temporary surface shall consist of 3-inches (minimum thickness) of compacted HMA Binder Course. The Contractor shall maintain this surface for as long as it is needed, including removing any defective areas and adding additional material as needed.

TEMPORARY PATCHING, 3” shall be removed and disposed of prior to CLASS D PATHING, 9”, and HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3".

All TEMPORARY PATCHING, 3”, where required on the Plans, shall be completed no more than 72 hours after the associated underground work is completed.

Method of Measurement. TEMPORARY PATCHING, 3” shall be measured per square yard as measured in the field.

Basis of Payment. This work will be paid for at the contract unit price per square yard for TEMPORARY PATCHING, 3”, which will be payment in full for all labor and materials necessary to complete the work.

Maintenance of TEMPORARY PATCHING, 3”, including replacement of defective or deteriorated pavement, and removal of TEMPORARY PATCHING, 3” prior to patching and/or surface course work, shall not be paid for separately but shall be included in the unit price of this work.

HOT-MIX ASPHALT SURFACE REMOVAL, 3”

Revise Article 440.01 Description of the Standard Specifications to read:

“This work shall consist of the complete removal of hot-mix asphalt (HMA) surfaces in preparation for CLASS D PATCHES.”

Add the following sentence to Article 440.07 Method of Measurement of the Standard Specifications:

“Only removal of hot-mix asphalt (HMA) surfaces in preparation for CLASS D PATCHING shall be measured and paid for under this work. All costs associated with pavement removal for work which will not receive CLASS D PATCHES should be included within the unit cost for those work items.”

COMBINATION CURB AND GUTTER REMOVAL

Effective: 1/1/11

Revise the fourth paragraph of Article 440.01, and the fourth paragraph of Article 440.03 of the Standard Specifications to read:

“Gutter removal and combination curb and gutter removal shall only include the complete removal of all inlets, outlets, and entrances if shown on the plans or as directed by the Engineer. Any removal of outlets shall include the entire discharge trough and end curtain wall for trough type outlets and the concrete box and outlet pipe for drop box type outlets.”

Add the following after the first paragraph of Article 440.03 of the Standard Specifications:

“The Contractor shall machine saw a full-depth joint between the portion of the curb and gutter to be removed and the bituminous surface to be left in place unless otherwise directed by the Engineer. The sawing shall be accomplished with a concrete sawing machine to prevent the surface from spalling when the concrete is broken out. This work shall be done in such a manner that a straight joint shall be secured. None of the removed material shall be stockpiled on the site unless it is approved as backfill by the Engineer.”

COMBINATION CONCRETE CURB AND GUTTER

Effective: 1/1/10

Add the following after the second paragraph of Article 606.05 of the Standard Specifications:

"Line and grade for the new curb and gutter shall be provided by the Engineer with a minimum three days notice for staking. Any aggregate required under the proposed curb and gutter to bring it to the proposed elevation shall be considered included in the cost of this item." Add the following after the first paragraph of Article 606.06 of the Standard Specifications:

"The existing condition of the pavement being rehabilitated necessitates all construction trucks maintain a reasonable distance from the curb and gutter excavation when unloading material into concrete forms or slipform equipment during the placement operations. The material supplier or Contractor shall provide additional trough sections when concrete is delivered to the site. **Any damage caused to the existing pavement by construction vehicles shall be repaired by the Contractor at his cost and to the satisfaction of the Engineer."**

Add the following after the first paragraph of Article 606.13 of the Standard Specifications:

"Only approved material shall be permitted as backfill behind the new structure. No unsuitable material including sod, leaves, asphalt or concrete debris, or aggregate of any kind shall be used as backfill. The Engineer shall approve all backfill material before it is placed. Prior to placing topsoil or sod, the backfill material shall be compacted to minimize settlement behind the curb."

PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL & REPLACEMENT, 4" COMPLETE

Effective: 1/1/10

Add the following after the first paragraph of Article 424.04 of the Standard Specifications:

"Aggregate base shall be installed with CA-6 Granulated material to a minimum depth of 4 in. to provide a suitable base on which to pour the sidewalk.

Sidewalk removal shall be performed in accordance with Section 440 of the Standard Specifications."

Add the following after the second paragraph of Article 424.06 of the Standard Specifications:

"The contractor shall apply a Concrete Curing Sealant, which shall be included in the contract unit price."

Revise the first paragraph of Article 424.13 of the Standard Specifications to read:

"This work shall be paid for at the unit price per spare foot for P.C.C. SIDEWALK REMOVAL & REPLACEMENT, 4" COMPLETE. All costs for work and materials associated with Sidewalk Removal shall be included in the unit price for P.C.C. SIDEWALK REMOVAL & REPLACEMENT, 4" COMPLETE."

Revise the third paragraph of Article 424.13 of the Standard Specifications to read:

"Earth excavation and disposal of surplus or waste material shall be included in the contract unit price for P.C.C. SIDEWALK REMOVAL & REPLACEMENT, 4" COMPLETE."

DETECTABLE WARNINGS

Detectable warning tiles shall follow Article 424.09 with exception that the contractor shall provide samples to the engineer for approval prior to use.

Amend Article 424.12 to read as follow:

Measurement of panel installed shall be computed and paid for as EACH.

Revise the last paragraph of Article 424.13 of the Standard Specifications to read:

This item shall be paid for at the contract unit price per square foot for **DETECTABLE WARNINGS,** which price shall be considered full compensation for all labor, equipment, and materials necessary for installation.

CONCRETE CURING AND SEALING

Effective: 1/1/10

Curing and sealing of all concrete gutter flags, faces and tops of curbs, sidewalks, and driveway pavements shall utilize the membrane curing method in accordance to Article 1020.13(a)(4) of the Standard Specifications.

Concrete curing materials shall be in accordance to Article 1022.01 of the Standard Specification except the Contractor shall use W.R. Meadows Vocomp-20 Cure and Seal or approved equal.

All flat surfaces that are not cured by membrane curing compounds shall have protective coat applied to them in accordance to Article 1023 of the Standard Specification if conditions prohibit application of cure and seal products.

All labor, equipment, and materials necessary to complete this work shall be included in the cost of the concrete items.

WATER MAIN

Effective: 3/2/12

Revise the first paragraph Article 561.02 of the Standard Specifications to read:

Materials. Trenched water mains shall be Class 52 Ductile Iron pipe with push-on joints, and shall conform to Specification AWWA-C151. The exterior of ductile iron pipe shall be coated with a layer of arc-sprayed zinc per ISO 8179. The mass of the zinc applied shall be 200 g/m2 of pipe surface area. A finishing layer topcoat shall be applied to the zinc. The coating system shall conform in every respect to ISO 8179-1 “Ductile iron pipes – External zinc-based coating – Part 1: Metallic zinc with finishing layer. Second edition 2004-06-01. All materials must be manufactured in the United States – no foreign metal products are allowed.”

All joints within casings shall use a restraining gasket - American Fast-Grip, US Pipe Field Lok, or approved equal. Mechanical joints shall be used at all tees, crosses, and other fittings at locations shown on the Plans, and shall be installed strictly in accordance with the manufacturer's instructions.

Horizontal directional drilled water main shall be Class 52 restrained joint - American Flex Ring, US Pipe TR Flex, or approved equal. Mechanical joints shall be used at all tees, crosses, and other fittings

at locations shown on the Plans, and shall be installed strictly in accordance with the manufacturer's instructions. **Substitution of this material shall not be permitted**. All horizontal directional drilled water main shall be double wrapped with polyethylene encasement.

Water main shall be installed in accordance with Section 561 of the Standard Specifications.

Excavation, backfilling, installation, and separation of water mains shall be in accordance with Section 41 of the Standard Specifications for Water and Sewer Main Construction in Illinois. The requirements of the Illinois Department of Public Health shall govern the horizontal and vertical separation of water mains from sewers.

All chlorination or flushing taps shall be a minimum two (2) inch diameter. Taps shall be provided by the contractor and be included in the cost of the WATER MAIN installation.

Add the following to the first paragraph Article 561.03 of the Standard Specifications:

Any existing valves or water services that are to be abandoned due to the installation of the new water main shall have the box extensions removed and the surrounding area patched or landscaped as the case may be.

Tees installed on the new water main shall have mechanical joint plugs installed for testing purposes. All such plugs shall be removed and salvaged by the contractor after the new water main has been successfully tested and chlorinated. This work shall be considered included to the cost of **WATER MAIN** of the diameter specified.

Delete the second paragraph of Article 561.03(b) of the Standard Specifications.

Revise the first paragraph Article 561.04 of the Standard Specifications to read:

Method of Measurement. The water main will be measured for payment in place in feet along the centerline of the pipe with no deductions made for valves, tees, bends, and crosses. Tees, bends, crosses, and thrust blocking shall not be measured for payment separately but shall be considered included to the cost of WATER MAIN of the diameter specified.

Revise the first paragraph Article 561.05 of the Standard Specifications to read:

Basis of Payment. This work will be paid for at the contract unit price per foot for **WATER MAIN** of the material, joint type, installation method and diameter specified. This price will include the cost of installation of a new service tee, corporation stop and 45° brass "L" for each service being connected to the new main as shown on the plans or as directed by the Engineer, all pipe, fittings, tees, bends, beveled pipe, reducers, joint materials, the hydrostatic tests, all excavation (except excavation in rock), backfilling, thrust blocking (concrete), pipe bedding, and all appurtenances necessary to construct the water main. Polyethylene encasement shall be paid for separately under POLYETHYLENE ENCASEMENT per linear foot.

Pavement removal and replacement shall be measured and paid for separately.

All costs incurred to abandon the valves and water services shall be included in the cost of installing the new water main.

All new water mains and services shall be inspected with leak detection equipment immediately after installation of water main and one year after the completion of work.

The Contractor shall make provisions to hire a qualified contractor to verify leaks identified by the City. No additional compensation shall be provided but instead shall be considered

included in the contract.
De-chlorination of water discharged from the new water main shall follow criteria established by the Environmental Protection Agency (EPA). No additional compensation shall be given to perform this work, but instead, this work shall be included in the cost of the contract.

POLYETHYLENE ENCASEMENT

Revised: 2/1/18

Description. This work shall consist of installing polyethylene encasement on all ductile iron pipe and underground water main appurtenances.

General. All ductile iron waterman and fittings shall be encased in polyethylene wrap and secured with polyethylene tape.

Materials: The materials shall conform to AWWA Standard Specifications for Polyethylene Encasement for Ductile Iron Pipe Systems for water and other liquids, ANSI/AWWA C105/A21.5. In addition, polyethylene encasement for use with ductile iron pipe systems shall consist of three layers of co-extruded linear low density polyethylene (LLLDPE), fused into a single wall thickness of not less than 8 mils. The inside surface of the polyethylene wrap to be in contact with the pipe exterior shall be infused with a blend of anti-microbial biocide to mitigate microbiologically influenced corrosion and a volatile corrosion inhibitor to control galvanic corrosion.

Ductile iron pipe and the polyethylene encasement used to protect it shall be installed in accordance with AWWA C600 and ANSI/AWWA C105/A21.5 and also in accordance with all recommendations and practices of the AWWA M41, “Manual of Water Supply Practices – Ductile Iron Pipe and Fittings”. Specifically, the wrap shall be overlapped one foot in each direction at joints and secured in place around the pipe with polyethylene tape, and any wrap at tap locations shall be taped tightly prior to tapping and inspected for any needed repairs following the tap. All installations shall be carried out by personnel trained and equipped to meet these various requirements.

Horizontal Directional Drilled water main shall have two layers of polyethylene encasement applied as per ANSI/AWWA C105/A21.5 and Ductile Iron Pipe Research Association’s “Horizontal Directional Drilling with Ductile Iron Pipe”.

Method of Measurement. This work will be measured for payment in place in feet. Where 2 or more layers of polyethylene encasement are specified, each layer shall be measured separately.

Basis of Payment. This work will be paid for at the contract unit price per foot for **POLYETHYLENE ENCASEMENT**. No additional compensation shall be given for the difference in cost between varying diameters of polyethylene encasement.

WATER VALVES WITH VALVE BOX

Effective: 1/1/10

Description. This work shall consist of the installation of valves and valve boxes that conform to the applicable sections of the current version of the Standard Specifications for Water and Sewer Main Construction in Illinois, and to the plan details. Each valve shall be installed with a valve box cover and rubber valve setter.

General. The Contractor shall supply and install all valves as shown on the plans.

Materials. The mainline valves shall be gate valves and valve boxes shall conform to the following or approved equal.

a) Mueller A-2360-20 Resilient Wedge Valve with Mechanical Joint Ends, or

b) American Flow Control Series 2500 Resilient Wedge Valve.

c) 664-S Series Tyler Screw Type Cast Iron 2-piece valve boxes or approved equal.

Plastic valve boxes, plastic valve box extensions/risers, or slip in valve box risers are not acceptable.

Method of Measurement. This work will be measured for payment as each. Each installed valve and valve box cover and rubber valve setter will be considered one each. Valve boxes are considered a separate pay item and shall be paid for at the unit price per each for **WATER VALVES WITH VALVE BOX**.

Basis of Payment. This work will be paid for at the contract unit price per each for **WATER VALVES WITH VALVE BOX,** of the specified size, and shall include all materials, labor and equipment necessary to complete the work as described.

FIRE HYDRANTS

Revised: 1/19/18

Description. This work shall consist of the installation of new fire hydrants with and without auxiliary valves to be connected to the existing water main or to a new water main.

General. Work shall be performed according to applicable sections of the current version of the Standard Specifications for Sewer & Water Main Construction in Illinois and the City of Wheaton Detail as shown on the plans.

Materials. The hydrant shall be a Mueller Super Centurion A-421 or approved equal, 4 ½" valve opening with 6" flange by mechanical joint resilient wedge gate type auxiliary valve. The hydrant shall be of a break flange construction and placed in the locations as shown on the plans. The Fire Hydrant shall be factory painted safety yellow.

The auxiliary valve shall be a Mueller A-2362 resilient wedge series or approved equal. The valve box shall be a Tyler 664-S or approved equal.

Construction Requirements. Hydrants shall not be closer than 3' to the back of curb, no closer than 5' to the nearest edge of a drive approach, no closer than 18" to any sidewalk. Fire hydrants shall be plumb and set so that the lowest hose connection is a minimum of 18" and maximum 24” above the surrounding finished grade. A minimum of 1/4 cubic yard of coarse washed stone shall be placed at and around the base to a level 6” above the drain outlets to permit the draining of the hydrant barrel.

Final adjustment of the Fire Hydrant shall be considered included in the cost of this item. No additional compensation shall be given for fittings or extensions that are necessary to avoid utility conflicts or connect to the existing or new water main.

Method of Measurement. This work will be measured for payment as each. Each installed fire hydrant and auxiliary valve and box will be considered one each.

Basis of Payment. This work shall be paid for at the contact unit price per each for **FIRE HYDRANTS WITH AUXILIARY VALVE AND VALVE BOX** which shall include all labor, equipment, and materials necessary to install the hydrant as specified.

Trench backfill for this work shall not be measured and paid for separately.

FIELD LOK GASKETS FOR DI WATER MAIN

TEG Rev. 07/14

Description. For water main approaching or exiting any horizontal or vertical bend fitting, within casing pipes, and all push-on joints shall have "Field LOK Gaskets". The pipe length restrained by Field LOK Gaskets at each side of the bend shall be 20 linear feet.

Materials. Joint restraints shall be Field LOK 350 Gaskets as manufactured by US Pipe. Field LOK Gaskets shall be compatible with the ductile iron, cement-lined asphaltic coating or paint, push-on joint, thickness class 52, of the size as designated in the Plans.

Shop Drawings. Shop drawings of all items related to the manufacturer and installation of the Field LOK Gaskets shall be submitted and approved by the Engineer.

Method of Measurement and Basis of Payment. This work will be paid for at the contract unit price per each for FIELD LOK GASKETS FOR DI WATER MAIN, of the diameter specified, measured in place. This price shall include the cost of all joint materials and labor necessary to complete this work as specified.

WATER SERVICE LINE

TEG: 11/25

This work shall consist of replacing water service lines as shown on the Plans and Details. The diameters are given to the best of the City's knowledge for bidding purposes. It is the contractor's responsibility to determine the actual diameter. No additional compensation shall be given for varying diameters of water service lines.

The construction of the water service line shall be in accordance with Sections 561 and 562 of the Standard Specifications, and the Standard Specifications For Water And Sewer Construction In Illinois, unless specified otherwise in these Special Provisions.

Revise the first paragraph Article 562.02 of the Standard Specifications to read:

Materials. Trenched water service line greater than 2-inch diameter shall be Class 52 Ductile Iron pipe with push-on joints, and shall conform to Specification AWWA-C151. The exterior of ductile iron pipe shall be coated with a layer of arc-sprayed zinc per ISO 8179. The mass of the zinc applied shall be 200 g/m2 of pipe surface area. A finishing layer topcoat shall be applied to the zinc. The coating system shall conform in every respect to ISO 8179-1 "Ductile iron pipes – External zinc-based coating – Part 1: Metallic zinc with finishing layer. Second edition 2004-06-01. All materials must be manufactured in the United States – no foreign metal products are allowed.

All joints within casings shall use a restraining gasket from American Fast-Grip, US Pipe Field Lok, or approved equal. Mechanical joints shall be used at all tees, crosses, and other fittings at locations shown on the Plans, and shall be installed strictly in accordance with the manufacturer's instructions.

WATER SERVICE LINE shall be installed in accordance with Section 562 of the Standard Specifications.

Excavation, backfilling, installation, and separation of water mains shall be in accordance with Section 41 of the Standard Specifications for Water and Sewer Main Construction in Illinois. The requirements of the Illinois Department of Public Health shall govern the horizontal and vertical separation of water mains from sewers.

Add the following to the first paragraph Article 562.03 of the Standard Specifications:

Any existing water services that are to be abandoned due to the installation of the new water service shall have the box extensions removed and the surrounding area patched or landscaped as the case may be.

Delete the second paragraph of Article 561.03(b) of the Standard Specifications.

Revise the first paragraph Article 562.04 of the Standard Specifications to read:

Method of Measurement. This work will be measured for payment in place in feet along the centerline of the pipe with no deductions made for valves, tees, bends, and crosses. Tees, bends, crosses, and thrust blocking shall not be measured for payment separately but shall be considered included to the cost of WATER MAIN of the diameter specified.

Polyethylene encasement shall be paid for separately under POLYETHYLENE ENCASEMENT per linear foot.

Revise the first paragraph Article 562.05 of the Standard Specifications to read:

Basis of Payment. This work shall be paid for at the contractor unit price per LINEAL FOOT for **WATER SERVICE LINE** of the size specified and measured in-place, which price shall include the cost of all materials labor and equipment necessary for excavation, except excavation in rock, installation of water service piping, connecting the water service line to both the water main corporation stop, and private service pipe, and all trench backfill. No additional compensation shall be given for varying diameters of water service lines.

All other pavement removal and replacement shall be measured and paid for separately. All patching as a result of this line item shall be completed immediately after the underground work is completed.

Trench backfill shall not be measured and paid for separately with this work.

CUT-IN CONNECTION

TEG Rev. 01/16

Description of Work. This work shall include all labor and materials necessary to connect the new water main to an existing main. This shall involve the saw cutting and removal of pavement, excavation of all material necessary to remove old fittings, the removal of existing connection fittings and pipe (tee, cross, sleeves , valves, valve vaults, etc.), and all backfill necessary to restore excavated area to previous grade.

Work shall be staged in such a way as to maximize the number of cut-in connections that can be performed per each shutdown of an existing water main. No shutdowns of water main will be allowed on Fridays or Mondays without prior approval by the Engineer.

Method of Measurement. Measurement for this item shall be on an EACH basis per location of connection.

Basis of Payment. This item shall be paid for per each for CUT-IN CONNECTION, which shall include any saw cutting of pavement, pavement removal, excavations, cutting and removal of fittings and pipe, cleaning and prepping pipe for connection, and all backfill necessary to bring hole to original grade. All newly installed water main and fittings shall be paid for as DUCTILE IRON PIPE, of the size specified, and DUCTILE IRON FITTINGS respectively.

Trench backfill for this work shall not be measured and paid for separately.

CUT AND INSTALL END CAPS

Effective: 3/2/12

Description. This work shall consist of the removal of existing valves and/or pipe on water main and the installation of end caps.

Materials. Material shall be according to the following or approved equal.

End Caps for Class “A” pipe shall be Tyler Union Mechanical Joint Cap, with EBAA Iron Megalug mechanical joint restraint gland. End Caps for Class “B-C-D” pipe shall be Tyler Union MJ x PE Dual- Purpose Cutting-in Sleeve with Tyler Union Mechanical Joint Cap, with EBAA Iron Megalug mechanical joint restraint glands.

~~When the elimination of an existing tee or cross is shown on the plans, a length of pipe matching the diameter of the existing main shall be installed with two (2) long body Omni sleeves, Smith Blair #441 with stainless steel hardware or approved equals at the discretion of the Engineer. This work shall be performed in lieu of installing the number of end caps normally required~~

Construction. The existing water main and appurtenances shall be removed as shown on the plans to accommodate the installation of an end cap. The end cap shall be blocked with concrete blocks against undisturbed earth. In addition, each cap shall be tied back to the water main with a stainless steel threaded rod to either a mechanical joint or a retaining gland and be encased in polyethylene wrap.

The Engineer shall determine the method to be used on the basis of existing conditions. Wood shims shall only be permitted when encased in Class SI Concrete. A brass plug shall be installed on the end cap.

All excavation shall be minimized to an extent sufficient to install the end cap.

Method of Measurement. Cut and install end cap will be measure for payment as each. Each installed end cap, concrete blocks, concrete, and retaining gland, or Omni sleeves and pipe section will be considered each.

Basis of Payment. This work will be paid for at the contract unit price per each of the size specified for **CUT AND INSTALL END CAPS,** which shall include all materials, labor, and equipment as required. No allowance will be made for varying diameters of end caps.

Trench backfill for this work shall not be measured and paid for separately.

Pavement removal and replacement will be measured and paid for separately as provided herein.

ADJUST WATER MAIN

Description. This work shall consist of adjusting existing water main in conflict with sewer or water main to be constructed, per Section 561 of the Standards, with the applicable portions of the Standard Specifications for Water and Sewer Construction in Illinois, as detailed in the plans, and as specified herein.

Materials. Materials for adjusting water main shall be ductile iron pipe, Class 52, conforming to ANSI/AWWA C151/A21.51-86, Standard for Ductile Iron Pipe, Centrifugally Cast in Metal Molds or Sand Lines Molds, for Water or Other Liquids. Ductile iron pipe shall be cement lined in accordance with AWWA C1 04, Standard for Cement Mortar Lining and Ductile Iron and Gray Iron Pipe and Fittings for Water.

When the elimination of an existing tee or cross is shown on the plans, a length of pipe matching the diameter of the existing main shall be installed with two (2) long body Omni sleeves, Smith Blair #441 with stainless steel hardware or approved equals at the discretion of the Engineer. This work shall be performed in lieu of installing the number of end caps normally required.

Fittings shall be ductile iron or cast iron in accordance with AWWA C110, Standard for Ductile Iron and Gray Iron Fittings, 3-in. through 48-in., for Water and Other liquids, and AWWA 151. Pipe joints shall be mechanical or push-on in accordance with AWWA C111, Standard for Rubber Gasket Joints for Ductile Iron and Gray Iron Pressure Pipe and Fittings. Refer to the latest revision for the above AWWA standards. Fittings shall be American Ductile Iron C153, Tyler, US Pipe Class 350 or approved equal mechanical joint. All mechanical joint fittings shall be installed with cor-ten bolts. All joints shall be restrained using MegaLugs by EBAA Iron or an approved equal. A maximum of a 45-degree bend is permitted unless approved by the ENGINEER.

TEMPORARY PATCHING, 3”, where required for this work, shall be completed no more than 72 hours after the associated underground work is completed.

General. Installation requirements shall be in accordance with Section 561 of the STANDARD SPECIFICATIONS, Village Standards, and shall be completed within the work hours designated by the ENGINEER. Polyethylene wrapping shall be in accordance with City requirements. No repair clamps shall be allowed.

Method of Measurement and Basis of Payment. This work shall be measured and paid for at the contract unit price per linear foot, as measured along the centerline of the pipe, for ADJUST WATER MAIN, of the diameter specified. Said price shall include the cost of all pipe, fittings, joint materials, retainer glands, hydrostatic test, disinfection of water main, removal and disposal of old water main and all excavation.

Trench backfill for this work shall not be measured and paid for separately.

SANITARY MANHOLE

Description. This work shall consist of installing a sanitary manhole in accordance with Division III of the STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS and City standards and provisions. This work shall include all labor, equipment and materials necessary to install a new sanitary sewer manhole where shown on the plans or instructed by the Engineer. This work shall

include saw cutting and removal of pavement, excavation of all material necessary to install the manhole, installation of an approved frame with closed lid, installation of an approved chimney seal and backfilling.

TEMPORARY PATCHING, 3”, where required for this work, shall be completed no more than 72 hours after the associated underground work is completed.

Materials. The manhole structure, steps, frame and lid shall be as provided in City of Wheaton detail FIGURE #16 SANITARY MANHOLE. The manhole shall have cast-in-place openings of the size, location and elevation necessary to accept new sanitary sewer pipe at invert elevations as shown on the Plans.

The chimney seal shall be as provided in City of Wheaton detail FIGURE #17 SANITARY MANHOLE EXTERNAL CHIMNEY SEAL.

Method of Measurement and Basis of Payment. This work shall be paid for at the contract unit price per each for SANITARY MANHOLE, which cost shall include saw cutting of pavement, pavement removal, excavation, cleaning and prepping manhole for pipe connection, and all backfill necessary to bring hole to original grade.

The frame, lid, chimney seal and trench backfill necessary for this work shall not be measured and paid for separately.

SANITARY SEWERS

Description. This work shall consist of installing PVC sanitary sewer main in accordance with the Standard Specifications for Water and Sewer Construction in Illinois, and Section 563 of the Standard Specifications.

General. The Owner shall provide T.V. reports, if available. Active sanitary main and private sanitary services shall not be blocked or disconnected without prior approval by the Engineer.

Materials. Polyvinyl Pipe (PVC) Sewer Pipe shall be PVC SDR-26.

Polyvinyl Pipe (PVC) Sewer Pipe Joints shall be solvent welded joints per ASTM D 2855 or flexible elastomeric seals per ASTM D 3212.

"Y" or "T" connections to the sewer main shall be of the specified grade of PVC pipe and compression couplings.

Once all underground work has been completed, the Contractor shall immediately patch all trench areas with AGGREGATE FOR TEMPORARY ACCESS.

TEMPORARY PATCHING, 3” work, where specified on the Plans or directed by the Engineer, shall be completed no more than 72 hours after the underground work is completed.

The location and reconnection of all existing sewer services shall be the responsibility of the Contractor and shall be included in the cost of this item.

Method of Measurement. End treatments, pipe tees, elbows and other fittings shall be included in the cost of the pipe.

The re-connection of existing sewer services to remain in service shall be the responsibility of the Contractor and shall be measured and paid for with **SANITARY SERVICE LINE**.

Connection of SANITARY SEWERS to existing sanitary manholes shall be measured and paid for with **CONNECT TO EXISTING SANITARY MANHOLE**.

Removal and replacement of unsuitable material below plan bedding grade shall be paid for in accordance with Article 109.04 of the Standard Specifications

Basis of Payment. This work shall be paid for at the contract unit price per foot for **SANITARY SEWERS,** of the class, type, and diameter specified and of the kind of material when specified.

CONNECT TO EXISTING SANITARY MANHOLE

Description This work shall consist of removing a section of an existing underground sanitary manhole, and making a connection to the existing structure with a new pipe connection at the locations indicated on the Plans, or otherwise directed by the Engineer. Active sanitary main and private sanitary services shall not be blocked or disconnected without prior approval by the Engineer.

This work shall be done in accordance with the Standard Specifications for Water and Sewer Construction in Illinois.

The Contractor shall core drill a circular hole in the existing structure and carefully remove the section of wall so it does not fall inside the structure. The hole shall be sized per the manufacturer of the rubber boot's specifications. A rubber gasketed coupling (Boot) with stainless steel bands/retainers shall be inserted per ASTM C-923. The invert of the new connection will be required to match the elevation of any other connection to the existing manhole.

All sanitary manholes excavated for this work shall receive a new chimney seal.

Basis of Payment This work will be paid for at the Contract unit price per each for **CONNECT TO EXISTING SANITARY SEWER MANHOLE** which price should be payment in full for all work as specified.

SANITARY SERVICE LINE

Description. This work shall consist of the installation of new PVC sanitary service pipe, connecting one end of the new service pipe to proposed SANITARY SEWERS main, and connecting the other end to the existing sanitary service pipe which extends to the applicable property, where shown on the Plans, and all incidental work necessary to complete the work as detailed in the plans and as specified herein. Active sanitary services shall not be blocked or disconnected without prior approval by the Engineer.

This work shall be done in accordance with the Standard Specifications for Water and Sewer Construction in Illinois.

Materials. Sanitary sewer service pipe shall be PVC, SDR-26, 6".

Connections to the existing service pipe shall not be made with flexible couplings and shall be made at a joint. The slope of the existing lateral toward the newly installed sewer main shall be maintained at the existing percent. For reconstructed laterals, a minimum slope of one percent (1%) is required.

This work will be paid for at the contract unit price per foot for **SANITARY SERVICE LINE**, which cost shall include all materials, labor and equipment necessary to complete the work as described herein.

SANITARY SEWER REMOVAL, 8”

This work shall be performed in accordance with the Standard Specifications for Water and Sewer Construction in Illinois, and Section 602 of the Standard Specifications, except as modified herein.

Replace Article 602.01 with the following:

Description. This work shall consist of removing a section of abandoned 8” sanitary sewer main where connected to a sanitary manhole, permanently plugging and waterproofing the resulting hole, and replacing the existing chimney seal.

Add the following material to Article 602.02:

The Contractor shall use new, unopened non-shrink waterproof grout where needed or at the direction of the engineer.

Replace Article 602.16 with the following:

Method of Measurement and Basis of Payment. This work will be measured and paid for at the contract unit price per foot **for SANITARY SEWER REMOVAL, 8”, which cost shall include** all materials, labor and equipment necessary to complete the work as described herein.

CUT AND CAP SANITARY PIPE

Description. This work shall consist of the installation of a cap on an existing sanitary sewer or sanitary service pipe that is to be abandoned at locations indicated on the drawings and as directed by the Engineer. This work shall include full depth sawcutting of the existing pavement, pavement removal, excavation, disposal of all unsuitable material, capping the sanitary pipe end, and furnishing, placing, and compacting trench backfill in an approved manner.

For sanitary services, two 6” caps each will be used, one for the service pipe connection to the abandoned sanitary main, and one for the abandoned service pipe extending to the property. For sanitary sewer, one cap shall be used for the abandoned sewer main.

The Contractor shall excavate the area where the caps are to be inserted and expose the existing connection. All materials necessary to cut away the existing connection and to install the caps shall be on the job site prior to doing the work. Once it is determined that all necessary equipment and materials are available, the Contractor may proceed with the work.

Materials. The cap(s) and or plug(s) shall be of an approved material with a mechanical joint and gasket and shall be secured in place with mega lugs. Preformed Portland Cement Concrete blocks shall also be used to further brace the cap.

Method of Measurement. and Basis of Payment. This work will be paid for at the contract unit price each for CUT AND CAP SANITARY PIPE, of any diameter, which price shall include all labor, equipment and material necessary for a complete installation as specified herein.

Trench backfill for this work shall not be measured and paid for separately.

BYPASSING OF FLOWS

The contractor shall be responsible for continuity of sanitary sewer service to each facility connected to the section of sewer main during the execution of the work, and shall also bypass the main sewer flow around the pipe to be replaced, or into adjacent sanitary sewers if available. The pumps and the bypass lines shall be of adequate capacity and size to handle all flows without sewage backup.

The contractor shall be solely responsible for the clean-up, repair, property damage costs and claims resulting from failure of the diversion system.

The contractor shall submit to the City for approval a description of the bypass pumping method.

The contractor, at the discretion of the City, may plug the main line sewer at an existing upstream Manhole or by any other method specified in the contract documents or approved by the City of Wheaton.

The contractor shall submit to the City of Wheaton specifications for all pumping equipment to be used on the job (including all size calculations) and a list of all backup pumping equipment to be held in reserve on the jobsite. The pumps and by-pass lines shall be of adequate capacity and size to handle all flows.

All costs for BYPASSING OF FLOWS required during installation of SANITARY SEWER, PVC, SDR-26, 8" shall be included with the unit price for SANITARY SEWER, PVC, SDR-26, 8".

CATCH BASIN

Description. This work shall consist of installing a catch basin in accordance with Section 602 of the Standard Specifications.

Materials. The manhole structure, frame and lid shall be as provided in City of Wheaton detail FIGURE #25 CATCH BASIN WITH FRAME AND GRATE FOR INLET, except that a closed lid shall be provided in place of a grate. The manhole shall have cast-in-place openings of the size, location and elevation necessary to accept new storm sewer pipe at invert elevations as shown on the Plans.

Method of Measurement and Basis of Payment. This work shall be paid for at the contract unit price per each for CATCH BASIN, 3' DIA WITH FRAME AND CLOSED LID, which cost shall include saw cutting of pavement, pavement removal, excavation, and all backfill necessary to bring hole to original grade.

The frame, lid, and trench backfill necessary for this work shall not be measured and paid for separately.

STORM SEWER REMOVAL & REPLACEMENT WITH WATER QUALITY PIPE

Description. This work shall consist of the installation of water main quality pipe in areas where the storm sewer line crosses above the water main, including necessary connections to existing storm structures. All work shall be performed in accordance with Section 550 of the Standard Specifications and Section 40 of the Water and Sewer Specifications.

Materials. The materials shall be approved by the Engineer prior to their installation. If water main quality pipe is required under pavement, or within 2 feet of the back of curb, PVC (polyvinyl chloride) pipe is not permitted. In this situation, only concrete pressure pipe or ductile-iron pipe is allowed.

Ductile iron pipe shall be Class 52 ductile iron, cement lined, with push-on joints conforming to AWWA Standards C104, C111, C150, C151, and C600. Ductile iron pipe shall be encased with polyethylene. The polyethylene shall be manufactured in accordance with ASTM D1248 and have size and strength as conforming to AWWA C105. The polyethylene shall be in accordance with ANSI/AWWA Standard C105/A21.5.05. Method A (Sec. 4.4.2.1).

Concrete pressure pipe shall conform to Section 40-2.01A of the Water and Sewer Specifications. The water main quality pipe shall be connected to the storm sewer pipe on both ends by use of Flex-seal, Adjustable, Repair, Mission couplings (nonshear) with stainless steel bands or a method approved by the Engineer. The cost of these connections shall be included in the cost of STORM SEWERS, WATER MAIN QUALITY PIPE.

Bedding and haunching shall consist of CA-7 course aggregate gradation. Bedding shall consist of 6" compacted granular bedding beneath the pipe. Haunching shall consist of the backfill from the bottom of the pipe to the spring line (centerline) of the pipe. Bedding and haunching shall be considered included in the cost of this item.

The placement and compaction of granular backfill material (CA-7) when required shall be as specified under TRENCH BACKFILL of these Special Provisions.

Basis of Payment. This work will be measured and paid for at the contract unit price per foot of the size specified for STORM SEWER REMOVAL AND REPLACEMENT WITH WATER MAIN QUALITY PIPE which price shall include all labor, equipment, and materials necessary to perform said work. Trench Backfill will be measured for payment according to Article 208.03.

STORM SEWER REMOVAL, 12"

Add the following to Article 551.03 of the Standard Specifications:

"Following storm sewer pipe removal, the remaining storm sewer pipe shall be filled with CLSM and both of the remaining pipe ends capped with brick and mortar."

Replace Articles 551.05 and 551.06 of the Standard Specifications with the following:

"Method of Measurement and Basis of Payment. This work will be measured and paid for at the contract unit price per foot for STORM SEWER REMOVAL, 12", which price shall include all labor, equipment, and materials necessary to perform said work, including CLSM, bricks and mortar."

CONNECT TO EXISTING MANHOLE

TEG: 12/25

Description. This work shall consist of removing a section of an existing underground non-sanitary manhole, and making a connection to the existing structure with a new pipe connection at the locations indicated on the Plans, or otherwise directed by the Engineer.

The Contractor shall sawcut a hole in the existing structure and carefully remove the section of wall so it does not fall inside the structure. The hole shall be sized to be not more than 2" larger than the outside diameter of the new pipe to be connected.

The Contractor shall patch around the new pipe using new, unopened non-shrink waterproof grout.

The invert of the new connection shall match the invert shown on the Plans, or as directed by the Engineer.

Basis of Payment. This work will be paid for at the Contract unit price per each for **CONNECT TO EXISTING MANHOLE** which price should be payment in full for all work as specified.

Trench backfill for this work shall not be measured and paid for separately.

TRENCH BACKFILL

Effective: 1/1/10

Add the following after the first paragraph of Article 208.01 of the Standard Specifications:

"Compaction shall be done by mechanical means whenever possible. Jetting shall be permitted only when mechanical means are not possible. Compaction shall be a minimum of 95% of the maximum laboratory density for CA-6 gravel. The Engineer shall determine when jetting is permitted. The Contractor shall receive written permission from the Engineer to perform jetting in lieu of mechanical compaction."

Add the following after the first paragraph of Article 208.02 (b) of the Standard Specifications:

"Trench backfill shall be a well graded granular material equivalent to I.D.O.T. CA-6, per Section 1004 of the Standard Specifications."

Add the following after the first paragraph of Article 208.03 (b) of the Standard Specifications:

"The actual quantity shall be computed using the State of Illinois Department of Transportation Division of Highways Trench Backfill Table adopted January 1, 2002."

Additional trench backfill beyond the maximum pay widths shown on the Plans, required to complete the work or for Contractor's purposes, shall be considered incidental to associated pay item construction and no separate payment shall be made.

PAVEMENT PATCHING

Work shall be done in accordance with Section 442 of the Standard Specifications except as modified herein.

Add the following to the beginning of Article 442.05(c) Class C and D Patches:

The Contractor shall saw-cut existing pavements to full depth, along the line of the maximum allowable trench width as showing on the drawings. All excavated material shall be properly disposed of off-site. No drop hammer and/or guillotine-type concrete breakers/cutters shall be utilized for pavement removal. No earth saw shall be utilized to saw-cut pavement.

All pavement patches shall be additionally sawcut and milled partial-depth a minimum of 1-foot beyond the limits of the trench for final surface course restoration in accordance with the PROPOSED TYPICAL SECTIONS in the Plans. The final lift shall be constructed of hot-mix asphalt surface course, 3". The partial-depth milling and final surface course shall be paid for separately as HOT-MIX ASPHALT SURFACE REMOVAL, 3" and HMA SURFACE COURSE, IL-9.5, MIX "D", N50, 3", respectively.

The cost of full-depth machine sawing and full-depth pavement removal shall be included in the unit price of this item and no additional compensation will be given for this work.

Method of Measurement and Basis of Payment. This work shall be paid for at the contract unit price per square yard for CLASS D PATCHING of the type and depth shown on the Plans and measured in place, which price shall include all labor, materials, equipment, sawcutting and full-depth pavement removal and application of bituminous materials tack coat necessary to complete the pay item as described above.

Additional pavement removal and replacement beyond the maximum pay widths shown on the Plans required to complete the work or for Contractor's purposes shall be considered incidental to storm sewer, sanitary sewer, and watermain construction and no separate payment shall be made.

HMA SURFACE COURSE

TEG Rev. 11/25

Description. This work consists of application of bituminous materials tack coat and installation of a hot-mix asphalt surface course in accordance with Section 406 of the Standard Specifications except as modified herein, and shall include all labor, equipment and materials necessary to complete the work.

Construction Requirements. Existing hot-mix asphalt binder course shall be cleaned prior to application of bituminous materials tack coat.

Method of Measurement and Basis of Payment. This work shall be paid for at the contract unit price per ton for HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX “D”, N50, 3”, which price shall include all labor, equipment and materials necessary to complete the work as described.

ADJUSTING SANITARY SEWERS AND WATER SERVICE LINES

Work shall be accordance with Section 563 of the Standard Specifications except for the following:

a) Storm and sanitary sewer services shall be SDR-26.

b) Existing "Y" or "T" connection on the sewer main shall be replaced and connected to the existing sewer main by means of the specified grade of PVC pipe and compression couplings.

FIRE HYDRANTS TO BE REMOVED

Effective: 1/1/10

Description. This work shall consist of the removal of fire hydrants and auxiliary valves on abandoned water main.

Construction Requirements. After installation and testing of the proposed water main, hydrants on the existing water main to be abandoned shall be removed. The existing hydrant and auxiliary valve shall be removed as a one-piece unit and set aside for pick up by City crews. All excavation necessary shall only be sufficient to remove the existing hydrant.

Method of Measurement. This work will be measured for payment as each. Each removed fire

hydrant and auxiliary valve will be considered one each.

Basis of Payment. This work will be paid for at the contract unit price per each for **FIRE HYDRANTS TO BE REMOVED**, which shall include all labor, materials, and equipment necessary to affect each hydrant removal.

Trench backfill necessary to fill the resulting excavation shall not be paid for separately but shall be considered included in the cost of this item.

WATER VALVE AND VALVE BOXES TO BE REMOVED

TEG Rev. 12/25

Description. This work shall consist of the removal of valves and valve boxes from the abandoned water main.

General. After installation and testing of the proposed water main, valves and/or valve boxes on the existing water main to be abandoned shall be removed. The existing valve and valve box shall be removed and disposed of by the Contractor. All excavation necessary shall only be sufficient to remove the existing valve box.

Method of Measurement. This work will be measured as each for VALVE BOX TO BE REMOVED of any size, and WATER VALVE AND BOX TO BE REMOVED of the size specified.

Basis of Payment. This item will be paid for at the contract unit price per each for **VALVE BOX TO BE REMOVED** of any size, and **WATER VALVE AND BOX TO BE REMOVED** of the size specified**,** which price shall be considered full compensation for all labor, equipment, and materials necessary to perform the work to the satisfaction of the Engineer.

Pavement removal and trench backfill required for this item shall not be paid for separately with costs included with this item.

Trench backfill necessary to fill the resulting excavation shall not be paid for separately but shall be considered included in the cost of this item.

FRAMES AND LIDS

All frames and lids to be furnished for construction, adjustment or reconstruction of any manhole, catch basin, inlet, valve vault or meter vault shall have cast into the lid “STORM”, “SANITARY”, or “WATER” of the type specified.

RECLAIMED ASPHALT SHINGLES (RAS)

Reclaimed Asphalt Shingles (RAS) materials are not allowed for use on roads under the jurisdiction of the City of Wheaton.

RECLAIMED ASPHALT PAVEMENT (RAP)

Revise Section 1031 of the Standard Specifications to read:

Description. Reclaimed asphalt pavement shall be according to the following.

(a) Reclaimed Asphalt Pavement (RAP). RAP is the material produced by cold milling or crushing an existing hot-mix asphalt (HMA) pavement. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.

Stockpiles. RAP stockpiles shall be according to the following.

(a) RAP Stockpiles. The Contractor shall construct individual, sealed RAP stockpiles meeting one of the following definitions. No additional RAP shall be added to the pile after the pile has been sealed. Stockpiles shall be sufficiently separated to prevent intermingling at the base. Stockpiles shall be identified by signs indicating the type as listed below (i.e. "Homogeneous Surface"). Prior to milling, the Contractor shall request the District provide documentation on the quality of the RAP to clarify the appropriate stockpile.

(1) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality, but shall be at least C quality. All FRAP shall be fractionated prior to testing by screening into a minimum of two size fractions with the separation occurring on or between the #4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP shall pass the sieve size specified below for the mix into which the FRAP will be incorporated.

Mixture FRAP will be used in:	Sieve Size that 100 % of FRAP Shall Pass
IL-19.0	1 1/2 in. (40 mm)
IL-9.5	3/4 in. (20 mm)
IL-4.75	1/2 in. (13 mm)

(2) Homogeneous. Homogeneous RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures and represent: 1) the same aggregate quality, but shall be at least C quality; 2) the same type of crushed aggregate (either crushed natural aggregate, ACBF slag, or steel slag); 3) similar gradation; and 4) similar asphalt binder content. If approved by the Engineer, combined single pass surface/binder millings may be considered "homogeneous" with a quality rating dictated by the lowest coarse aggregate quality present in the mixture.

(3) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, HMA (High and Low ESAL) mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality, but shall be at least C quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed prior to testing by crushing to where all RAP shall pass the 5/8 in. (16 mm) or smaller screen. Conglomerate RAP stockpiles shall not contain steel slag.

(4) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP/FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt,

bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

Testing. RAP/FRAP testing shall be according to the following.

(a) RAP/FRAP Testing. When used in HMA, the RAP/FRAP shall be sampled and tested either during or after stockpiling.

(1) During Stockpiling. For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

(2) After Stockpiling. For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Each sample shall be split to obtain two equal samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

Evaluation of Tests. Evaluation of test results shall be according to the following.

(a) Evaluation of RAP/FRAP Test Results. All of the extraction results shall be compiled and averaged for asphalt binder content and gradation, and when applicable Gmm. Individual extraction test results, when compared to the averages, will be accepted if within the tolerances listed below.

Parameter	FRAP/ Homogeneous/ Conglomerate
1 in. (25 mm)	
1/2 in. (12.5 mm)	± 8%
No. 4 (4.75 mm)	± 6%
No. 8 (2.36 mm)	± 5%
No.16 (1.18 mm)	
No. 30 (600 µm)	± 5%
No. 200 (75 µm)	± 2.0 %
Asphalt Binder	± 0.4 % [1/]
G_{mm}	± 0.03

1/ The tolerance for FRAP shall be ± 0.3 %.

If more than 20 percent of the individual sieves and/or asphalt binder content tests are out of the above tolerances, the RAP/FRAP shall not be used in HMA unless the RAP/FRAP representing the failing tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation. With the approval of the Engineer, the ignition oven may be substituted for extractions according to the ITP, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)".

Quality Designation of Aggregate in RAP/FRAP.

(a) RAP. The aggregate quality of the RAP for homogeneous and conglomerate stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.

(1) RAP from Class I, Superpave/HMA (High ESAL), or (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.

(2) RAP from Class I binder, Superpave/HMA (High ESAL) binder, or (Low ESAL) IL- 19.0L binder mixtures are designated as containing Class C quality coarse aggregate.

(b) FRAP. If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer.

If the quality is not known, the quality shall be determined as follows. Coarse and fine FRAP stockpiles containing plus #4 (4. 75 mm) sieve coarse aggregate shall have a maximum tonnage of 5000 tons (4500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant laboratory prequalified by the Department for the specified testing.

The consultant laboratory shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the Bureau of Materials and Physical Research Aggregate Lab for MicroDeval Testing, according to ITP 327. A maximum loss of 15.0 percent will be applied for all HMA applications.

Use of RAP/FRAP in HMA. The use of RAP/FRAP shall be the Contractor's option when constructing HMA in all contracts.

(a) The use of RAP/FRAP in HMA shall be as follows.

(1) Coarse Aggregate Size. The coarse aggregate in all RAP shall be equal to or less than the nominal maximum size requirement for the HMA mixture to be produced.

(2) Steel Slag Stockpiles. Homogeneous RAP stockpiles containing steel slag will be approved for use in all HMA (High ESAL and Low ESAL) Surface and Binder Mixture applications.

(3) Use in HMA Surface Mixtures (High and Low ESAL). RAP/FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall be FRAP or homogeneous in which the coarse aggregate is Class B quality or better. RAP/FRAP from Conglomerate stockpiles shall be considered equivalent to limestone for frictional considerations. Known frictional contributions from plus #4 (4.75 mm) homogeneous RAP and FRAP stockpiles will be accounted for in meeting frictional requirements in the specified mixture.

(4) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. RAP/FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be FRAP,

homogeneous, or conglomerate, in which the coarse aggregate is Class C quality or better.

(5) Use in Shoulders and Subbase. RAP/FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be FRAP, homogeneous, or conglomerate.

(6) When the Contractor chooses the RAP option, the percentage of RAP shall not exceed the amounts indicated below for a given Ndesign.

a. RAP. When RAP is used, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the Max RAP ABR table listed below for the given Ndesign.

RAP Maximum Asphalt Binder Replacement (ABR) Percentage

HMA Mixtures 1/, 2/	RAP Maximum ABR %		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified
30	30	30	10
50	25	15	10
70	15	10	10
90	10	10	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the RAP ABR shall not exceed 50 percent of the mixture.

2/ When RAP ABR exceeds 20 percent, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28). If warm mix asphalt (WMA) technology is utilized and production temperatures do not exceed 275 °F (135 °C), the high and low virgin asphalt binder grades shall each be reduced by one grade when RAP ABR exceeds 25 percent (i.e. 26 percent RAP ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).

b. FRAP. When FRAP is used, the percentage of virgin asphalt binder replacement shall not exceed the amounts listed in the FRAP table listed below for the given Ndesign.

FRAP Maximum Asphalt Binder Replacement (ABR) Percentage

HMA Mixtures 1/, 2/	RAP Maximum ABR %		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified 3/, 4/
30	50	40	10
50	40	35	10
70	40	30	10
90	40	30	10

1/ For Low ESAL HMA shoulder and stabilized subbase, the FRAP ABR shall not exceed 50 percent of the mixture.
2/ When FRAP ABR exceeds 20 percent for all mixes, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28). If warm mix asphalt (WMA) technology is utilized and production temperatures do not exceed 275 °F (135 °C), the high and low virgin asphalt binder grades shall each be reduced by one grade when FRAP ABR exceeds 25 percent (i.e. 26 percent ABR would require a virgin asphalt binder grade of PG 64-22 to be reduced to a PG 58-28).
3/ For SMA the FRAP ABR shall not exceed 20 percent.
4/ For IL-4.75 mix the FRAP ABR shall not exceed 30 percent.

HMA Mix Designs. At the Contractor's option, HMA mixtures may be constructed utilizing RAP/FRAP material meeting the detailed requirements specified herein.

(a) RAP/FRAP mix designs shall be submitted for verification. If additional RAP/FRAP stockpiles are tested and found that no more than 20 percent of the results, as defined under "Testing" herein, are outside of the control tolerances set for the original RAP/FRAP stockpile and HMA mix design, and meets all of the requirements herein, the additional RAP/FRAP stockpiles may be used in the original mix design at the percent previously verified.

HMA Production. HMA production utilizing RAP/FRAP shall be as follows.

(a) The coarse aggregate in all RAP/FRAP used shall be equal to or less than the nominal maximum size requirement for the HMA mixture being produced. To remove or reduce agglomerated material, a scalping screen, gator, crushing unit, or comparable sizing device approved by the Engineer shall be used in the RAP feed system to remove or reduce oversized material. If material passing the sizing device adversely affects the mix production or quality of the mix, the sizing device shall be set at a size specified by the Engineer. If the RAP/FRAP control tolerances or QC/QA test results require corrective action, the Contractor shall cease production of the mixture containing RAP/FRAP and either switch to the virgin aggregate design or submit a new RAP/FRAP design.

(b) HMA plants utilizing RAP/FRAP shall be capable of automatically recording and printing the following information.

(1) Dryer Drum Plants.

a. Date, month, year, and time to the nearest minute for each print.

b. HMA mix number assigned by the Department.

c. Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

d. Accumulated dry weight of RAP/FRAP in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

e. Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.

f. Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.

g. Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.

h. Aggregate and RAP/FRAP moisture compensators in percent as set on the

control panel. (Required when accumulated or individual aggregate and RAP/FRAP are printed in wet condition.)

(2) Batch Plants.

a. Date, month, year, and time to the nearest minute for each print.

b. HMA mix number assigned by the Department.

c. Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).

d. Mineral filler weight to the nearest pound (kilogram).

e. RAP/FRAP weight to the nearest pound (kilogram).

f. Virgin asphalt binder weight to the nearest pound (kilogram).

g. Residual asphalt binder in the RAP/FRAP material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

RAP in Aggregate Surface Course and Aggregate Wedge Shoulders, Type B. The use of RAP in aggregate surface course (temporary access entrances only) and aggregate wedge shoulders, Type B shall be as follows.

(a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except "Non-Quality" and "FRAP". The testing requirements of Article 1031.03 shall not apply. RAP used shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications".

(b) Gradation. One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5 mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded or single sized will not be accepted."

Special Note:
The use of RAS is not allowed on this project

TOPSOIL FURNISH AND PLACE

Add the following after the first paragraph of Article 211.01 of the Standard Specifications.

“All areas in that portion of the parkway adjacent to curb replacement sections, sanitary or storm sewer replacement, or water main installations disturbed during construction shall be restored.”

Add the following after the first paragraph of Article 211.04 of the Standard Specifications.

“Prior to the topsoil placement, the disturbed parkway areas shall be inspected by the Engineer and authorization received by the Contractor to proceed with the work as specified herein. Contractor shall provide a minimum of 4" of topsoil to finished elevation.

Add the following after the first paragraph of Article 211.05 of the Standard Specifications.

“The parkway shall be cleared of all debris and all trenches shall be fully compacted. Topsoil shall then be placed at the specified depth and rolled. The surface shall be leveled by having all depressions filled and high spots removed.”

Revise Article 211.07(b) of the Standard Specification to read:

“Topsoil furnish and place shall be that material obtained from outside the right-of-way and will be measured in cubic yards as documented delivered to the site.”

Revise Article 211.08 of the Standard Specification to read:

“This work shall not be paid for separately, but which cost shall be included in the unit cost for **SODDING.”**

It will be the responsibility of the Contractor to notify the Engineer once all the required watering’s have been completed. If it is determined that additional watering will be required, the Engineer will notify the Contractor to proceed with supplemental watering for a determined amount of time.

The Contractor shall secure a separate water meter for watering sod and seed. Failure to comply shall result in no payment for **SUPPLEMENTAL WATERING**.

SODDING

Effective: 1/1/10

Work shall be in accordance with Section 252 of the Standard Specifications, except that the sod shall be rolled prior to watering.

SPECIAL/NON-SPECIAL WASTE DISPOSAL

Revise Article 669.01 of the Standard Specifications to read:

“The Contractor shall be provided with any geotechnical reports pertaining to material testing in compliance with LPC 662 and LPC 663. The Contractor shall at their own expense, have an independent company verify soil analysis results associated with disposal of materials. It shall be the Contractor’s responsibility to dispose of any unsuitable materials in compliance with State of Illinois regulations. The contractor shall provide in writing to the Engineer location and verification of where materials shall be disposed of. “

Add the following paragraph after Article 669.01 of the Standard Specifications:

General - The City has retained a geotechnical consultant to perform material testing for CCDD Compliance. Results are available to the Contractor upon written request to the Engineer. The contractor shall retain their own independent testing company if a dispute with the test result occurs. No additional compensation shall be given to the contractor.

Add the following after the second paragraph of Article 669.19 of the Standard Specifications:

“Payment for disposal of non-special waste shall not exceed planned quantity. Any additional payment for disposal of material beyond planned quantity shall be the responsibility of the contractor.”

CITY OF WHEATON WATER DISTRIBUTION SPECIFICATIONS/FITTINGS

(as of January 1, 2023)

All Materials shall be as specified below or approved equally, be produced in North America, and be the current year model. All brass shall be "No-lead", meeting the Reduction of Lead in Drinking Water Act Requirements.

Water main

Unless approved in writing all water mains shall be 8" minimum size Class 52 Zinc-coated Ductile Iron pipe.

If a PVC water main is allowed, it must be approved in writing and shall be Certa-Lok PVC or equal. The design shall include two #10 Solid Insulated Copper tracer wires that terminate in a Copperhead Tracer Wire Access Box at each end. Shop drawings of the tracer wires must be submitted and approved for all PVC water mains.

Polyethylene Wrap – Required on all Water Main Installations

All ductile iron water main and fittings shall be encased with linear low-density V-Bio Enhanced polyethylene wrap, 8 mils thick. Polyethylene wrap shall be secured with polyethylene tape at overlaps, ends, and every four feet along the pipe barrel.

Fire Hydrants

Mueller Super Centurian A-421, 4½ inch valve opening with 6-inch flange by mechanical joint resilient wedge gate type auxiliary valve with break flange. The Fire Hydrant shall be factory painted safety yellow.

The auxiliary valve shall be a Mueller A-2362 resilient wedge series or approved equal. The valve box shall be a Tyler 664-S or approved equal.

Gate Valves

1. Mueller A-2361 resilient wedge gate valve
   OR
2. American Series 2500 resilient wedge valve

Mechanical Joints

EBAA Iron Megalug mechanical joint restraint gland

Tapping Valves

1. Mueller A-2361 flange x mechanical joint resilient wedge valve
   OR
2. American Series 2500 flange x mechanical joint resilient wedge valve

Tapping Sleeves - All Pressure Connections 4" to 8" Shall Be Done By The City Of Wheaton

1. Smith-Blair 665 stainless steel tapping sleeve with stainless steel flange
   OR

2. Ford FTSS stainless tapping sleeve with stainless steel flange.

Valve Boxes

1. Tyler Union 664S screw-type cast iron two-piece valve box.

   Note: Plastic valve boxes or plastic extensions are not allowed.
2. Valve Box Adaptor II
   a. Type A Gate Valves - 4”-6” Mueller, 4”-6”-8” AFC.
   b. Type B Gate Valves - 8” Mueller, 10”-12” AFC.
   c. Type D Gate Valves - 10” Mueller.
   d. Type E Gate Valves - 12” Mueller, 16” AFC.
3. Valve box extensions shall be Tyler Union #58, #60 or Tyler Union #69 riser.

End Caps

1. Class “A” pipe: Tyler Union Mechanical Joint Cap.
2. Class “B-C-D” pipe: Tyler Union MJ x PE Dual-Purpose Cutting-in Sleeve with Tyler Union Mechanical Joint Cap.

Service Fittings

1. Corporation Cock
   a. Mueller 300 Ball Corporation Valve B-25000N

      OR

   b. Ford Corporation Stops FB600-*size*-NL.
2. Corporation Cock Quarter and Eighth Bends - ¾", 1", 1 ¼”, 1 ½” and 2"
   a. Mueller brass with compression ends and swivel nut. Flare nut, non-swivel accepted on sizes where others aren’t made. Mueller P-15075N, P-15076N

      OR

   b. Ford brass with compression ends and swivel nut. Flare nut, non-swivel accepted on sizes where others aren’t made. Ford LA04-*size*-NL, L04-*size*-NL.
3. Curb Stop
   a. Mueller 300 Ball Curb Valve P-25155N

      OR

   b. Ford Ball Valve Curb Stop B44-*size*M-NL.
4. Curb Box
   a. Mueller H-10300 curb box with Minneapolis Pattern Base.
5. Service Saddles
   a. Smith-Blair Model 317 Epoxy Coated Ductile Iron with double stainless-steel strap.

Abandoned Service Repair Clamps

1. Ford Meter Box Co. - Style FACC
   OR
2. Total Piping Solutions, Inc. - Abandoned Corporation Fitting.

PRODUCT INFORMATION AND SPECIFICATIONS LIST

The Contractor shall use the following specified products as enclosed herein or approved equal.

1. Valve Box Adaptor II
2. Canusa Wrap – Pipe Wrap
3. Infra-RISER Rubber Adjustment Riser
4. Catch-All Inlet Protector

Valve Box Adaptor II

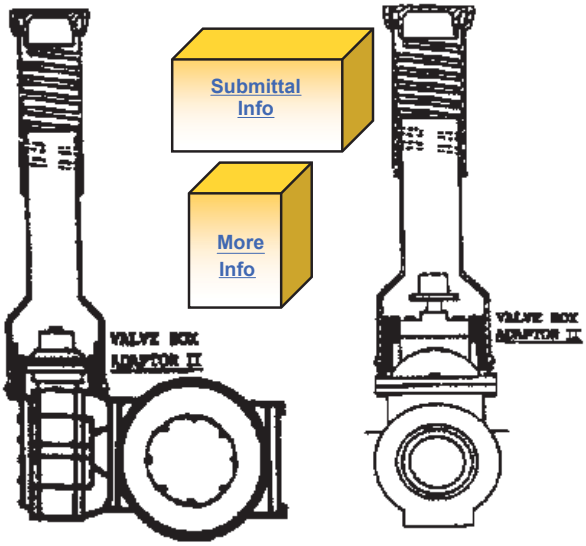
Municipal water utilities and contractors have benefited over the years from the use of the Valve Box Adaptor II.

The Valve Box Adaptor II has eliminated improper keying of the valves due to settling and shifting of the valve box.

Using the Valve Box Adaptor II has proven to be a cost effective product for water utilities. It has reduced future budget costs by eliminating the excavation and resetting of the valve box.

Advantages

- **Eliminates settling and shifting of the gate and butterfly valve boxes.**
- **Protects epoxy coating on valves.**
- **Centers valve box over operating nut.**
- **Seals valve box with a resilient material.**
- **Cost effective**



SERVING THE WATER & SEWER INDUSTRY
ADAPTOR INC.
AMERICAN MADE PRODUCTS
SINCE 1976

Products

Home

More Products

Valve Box Adaptor II Specs

All valve boxes shall be installed upon the valve with the use of a Valve Box Adaptor II as manufactured by Adaptor Inc. or an approved equal. The adaptor shall be installed in lieu of hardwood blocking and shall be incidental to the valve and box installations.

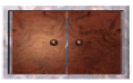
Manufactured from a rubber compound.

Type	Valve & Size
A	AFC 3”- 8” Mueller 4”, 6” Matco 12”
B	AFC 10”, 12” Mueller 8”
C	Kennedy/Clow/M&H 4”- 8” East Jordan 6”
D	Mueller 10”
E	Kennedy/Clow/M&H 10”- 16” Mueller 12” AFC 16” East Jordan 8”
F	East Jordan 10”, 12” Mueller 2”, 2 1/2”
G	Mueller 3” Matco 8”
A-EJ	East Jordan 4” AVK 6”
A-Matco	Matco 6”
B-Matco	Matco 4”
D-Matco	Matco 10”
H-Matco	Matco 3”
I-Matco	Matco 2”
H-AVK	AVK 2 1/2”- 4”
C-AVK	AVK 8”- 16”
I-AVK	AVK 2”

The Valve Box Adaptor II are made for a Tyler box or equal.

Manufactured for all types and sizes of Gate Valve, Butterfly Valves and valve boxes for water, gas and wastewater valves.

***If using a Bibby box call for sizing and prices.



Home

More Products

For more info on pricing or your local distributor contact Adaptor Inc.

INFI-SHIELD®

UNI-BAND

SPECIFICATION FOR MANHOLE ADJUSTMENT RINGS
Patent Pending

PART I - GENERAL

1.01 SCOPE
This section shall include the complete Uni-Band seal manhole sealing system. The sealing system shall prevent leakage of water into the manhole through the frame joint area and through the adjustment ring area.

1.02 MATERIALS TO BE FURNISHED
All materials required for the installation of the Uni-Band manhole sealing system shall be furnished by the contractor and shall be new, of first grade, and shall be of reputable manufacturers known to the trade.

PART II - PRODUCTS

2.01 GENERAL
The casting shall be sealed to the structure with a Uni-Band sealing system as manufactured by Sealing Systems, Inc. (800-478-2054) or approved equal. The seal shall be a continuous seamless band made of high quality EPDM (Ethylene Propylene Diene Monomer) rubber with a minimum thickness of 65 mils. There shall be a preformed L shaped corner molded into the top of the seal. The top section and the side section will extend from the L shaped corner at a generally 90-degree angle to each other. Wherein the seal is preformed in substantially the same shape as when attached to the manhole structure. The thickness of the L shaped corner extending 1" into the top section and 1" down the side section is increased and may be at least twice the thickness of the top section reinforcing the seal at this particular area. There shall be a 2" to 3" wide strip of butyl mastic attached to the underside of top section of the seal. There shall be a 2" wide strip of butyl mastic attached to the inside of the side section at the bottom of the seal. The mastic shall be non-hardening butyl rubber sealant, with a minimum thickness of 1/8", and shall seal to the cone/top of the manhole section and over the flange of the casting frame. An aerosol primer shall be used to enhance the bond strength of the seal to the structure.

PART III - EXECUTION

3.01 INSTALLATION
The Uni-Band seal sealing system shall be installed according to the manufacturers recommendations. The top section of the seal shall extend 3" attaching to the casting base/flange with the side section covering over the entire grade adjustment ring area and onto the cone section a minimum of 2".

CANUSA-CPS
A SHAWCOR COMPANY

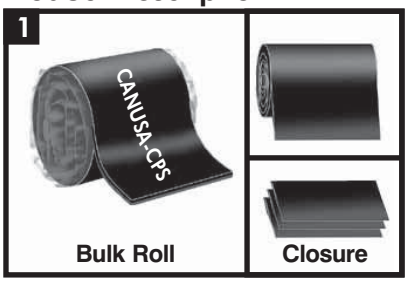
Installation Guide

CanusaWrap™

Two-piece protective bulk roll with separate closure

Product Description

1



CanusaWrap™ is typically shipped in bulk rolls. The adhesive is protected from contamination by an inner liner. Closures are shipped either in bulk rolls or pre-cut.

Storage & Safety Guidelines

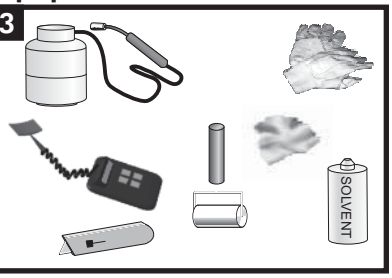
2

To ensure maximum performance, store Canusa products in a dry, ventilated area. Keep products sealed in original cartons and avoid exposure to direct sunlight, rain, snow, dust or other adverse environmental elements. Avoid prolonged storage at temperatures above 35°C *(95°F)* or below -20°C *(-4°F)*. Product installation should be done in accordance with local health and safety regulations.

These installation instructions are intended as a guide for standard products. Consult your Canusa representative for specific projects or unique applications.

Equipment List

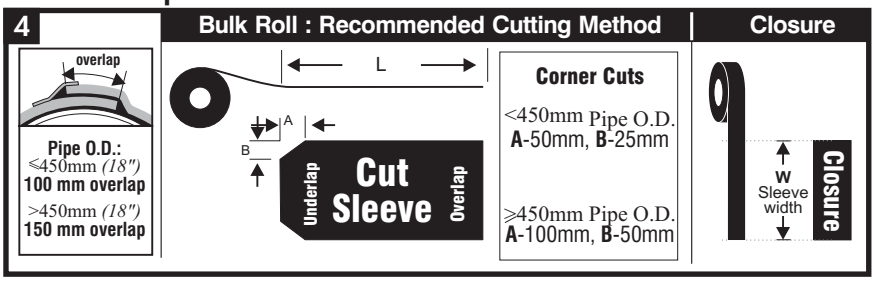
3



Propane tank, hose, torch & regulator
Appropriate tools for surface abrasion
Knife, roller, rags & approved solvent cleanser
Digital thermometer with suitable probe
Standard safety equipment; gloves, goggles, hard hat, etc.

Product Preparation Guidelines

4



As a guideline,cut the required lengths of Sleeve material (L)and Closure material (W) from the bulk roll as follows

L = Coated Pipe circumference + overlap dimension

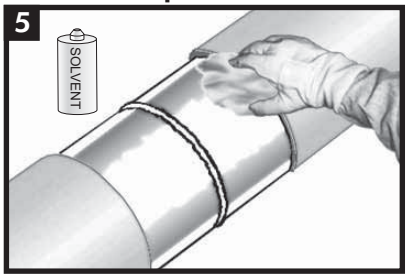
W = Sleeve Width

Ensure that the sleeve and closure are not damaged or contaminated. Trim corners as shown .

Please see **"CanusaWrap™ Sleeve Cutting Guideline"** for more information on alternative cutting methods.

Surface Preparation

5



Ensure that the PE coating edges are beveled to 30°. Clean exposed steel and adjacent pipe coating with a solvent cleanser to remove the presence of oil, grease, and other contaminants.

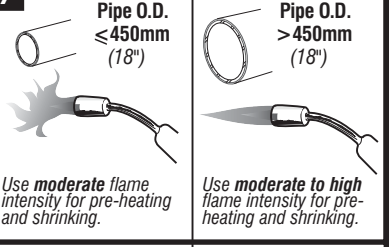
Surface Preparation and Pre-Heat Chart

6

	Standard Sleeves		Surface Preparation				Min. Pre-Heat Temp. °C (°F)	
			SIS Standard		SSPC Standard			
			Minimum	Preferred	Minimum	Preferred		
Mastic	WLG	WTG	St2	**Sa2**	SP2	**SP6**	**50**	*(122)*
	WLC	WTC	St2	**Sa2**	SP2	**SP6**	**60**	*(140)*
	WLS	WTS	St2	**Sa2**	SP2	**SP6**	**65**	*(150)*
	WLO	WTO	St2	**Sa2**	SP2	**SP6**	**75**	*(167)*
	WLON	WTON	St2	**Sa2**	SP2	**SP6**	**75**	*(167)*
	WLNN	WTNN	St3	**Sa2½**	SP3	**SP10**	**90**	*(195)*
Hot Melt	WLA		St3	**Sa2½**	SP3	**SP10**	**60**	*(140)*
	WLAS		St3	**Sa2½**	SP3	**SP10**	**90**	*(195)*

Flame Intensity & Torch Size

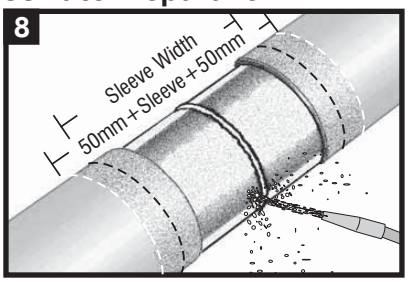
7



Pipe O.D. ≤450mm (18")	Pipe O.D. >450mm (18")
*Use **moderate** flame intensity for pre-heating and shrinking.*	*Use **moderate to high** flame intensity for pre-heating and shrinking.*
Minimum Torch Size: **150,000 BTU/hr.**	Minimum Torch Size: **300,000 BTU/hr.**

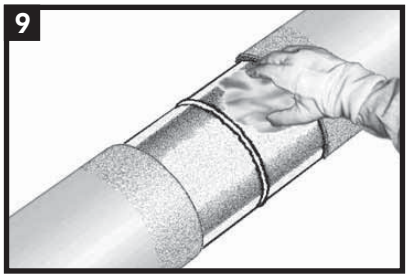
Surface Preparation

8



Ensure that the pipe is dry before cleaning. Prepare the steel joint area using the Surface Preparation and Pre-Heat Chart as a guideline. Lightly abrade the pipe coating adjacent to the cutback area to a distance of 50mm (2") beyond each end of the sleeve width.

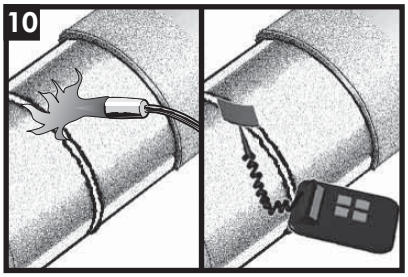
9



Wipe clean or air blast the steel and pipe coating to remove foreign contaminants.

Pre-Heat

10

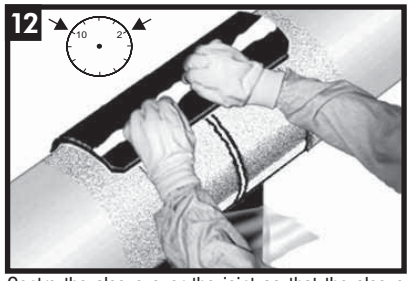


Pre-heat the joint area to the minimum required temperature (see Surface Preparation & Pre-Heat Chart). Using a temperature measuring device, ensure that the correct temperature is reached on the steel and at least 50mm (2") on each side of the sleeve.

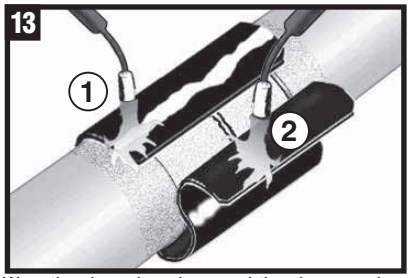
CanusaWrap™

Sleeve Installation

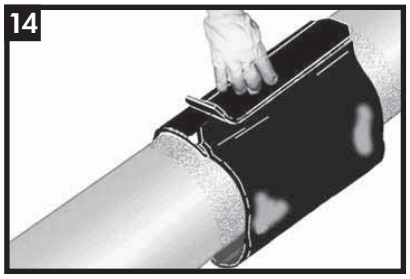
Partially remove the release liner and gently heat the underlap approximately 150 mm (6") from the edge.



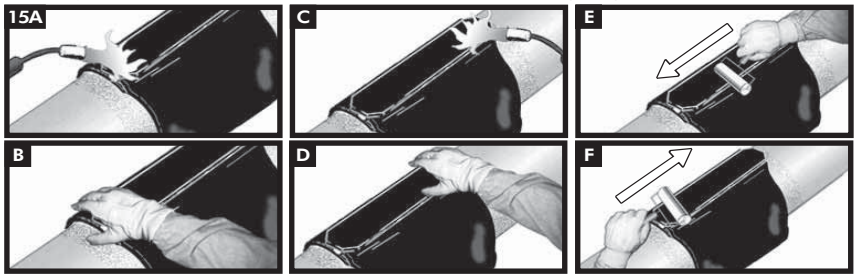
Centre the sleeve over the joint so that the sleeve overlaps between the 10 and 2 o'clock positions. Press the underlap firmly into place and remove the remaining release liner.



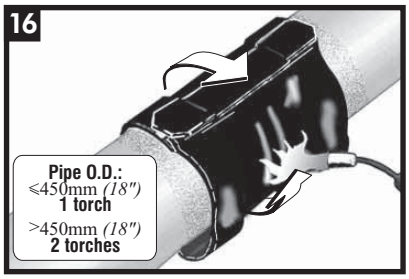
Wrap the sleeve loosely around the pipe, ensuring the appropriate overlap. Gently heat the backing of the underlap and the adhesive side of the overlap. Press the overlap into place.



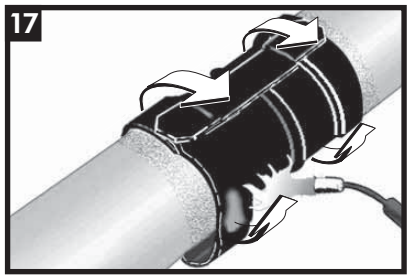
Remove any release liners from the Closure Strip . Centre the closure on the overlapping sleeve. Press down firmly.



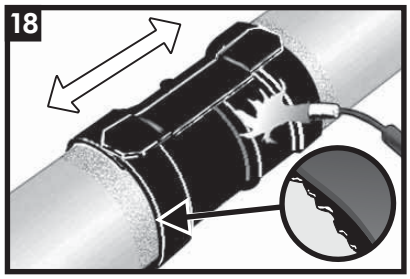
Gently heat the closure and pat it down with a gloved hand. Repeating this procedure, move from one side to the other. Smooth any wrinkles by gently working them outward from the centre of the closure with a roller.



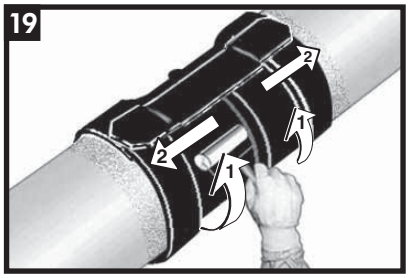
Using the appropriate sized torch, begin at the centre of the sleeve and heat circumferentially around the pipe. Use broad strokes. If utilizing two torches, operators should work on opposite sides of pipe.



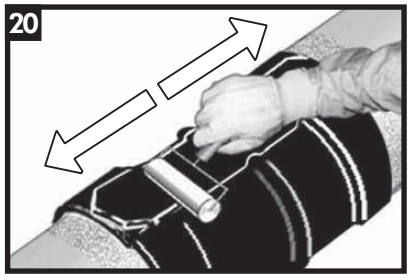
Continue heating from the centre toward one end of the sleeve until recovery is complete. In a similar manner, heat and shrink the remaining side.



Shrinking has been completed when the adhesive begins to ooze at the sleeve edges all around the circumference. Finish shrinking the sleeve with long horizontal strokes over the entire surface to ensure a uniform bond.

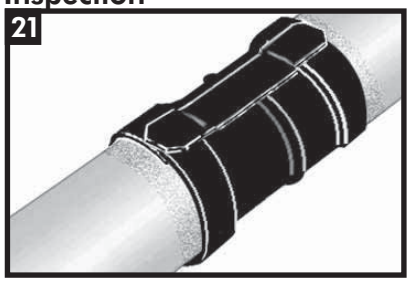


While the sleeve is still hot and soft, use a hand roller to gently roll the sleeve surface and push any trapped air up and out of the sleeve, as shown above. If necessary, reheat to roll out air.



Continue the procedure by also firmly rolling the closure with long horizontal strokes from the weld outwards.

Inspection



Visually inspect the installed sleeve for the following:

- Sleeve is in full contact with the steel joint.
- Adhesive flows beyond both sleeve edges.
- No cracks or holes in sleeve backing.

Backfilling Guidelines

After shrinking is complete, allow the sleeve to cool for 2 hours prior to lowering and backfilling. To prevent damage to the sleeve, use selected backfill material, (no sharp stones or large particles) otherwise an extruded polyethylene mesh or other suitable shield should be used.

CANUSA-CPS
A SHAWCOR COMPANY

www.canusacps.com

Canada
CANUSA-CPS
a division of SHAWCOR LTD.
25 Bethridge Road
Rexdale, Ontario
M9W 1M7,
Canada
Tel: +1 (416) 743-7111
Fax: +1 (416) 743-5927

U.S.A./Latin America
CANUSA-CPS
a division of SHAWCOR INC.
2408 Timberloch Place
Building C-8
The Woodlands, Texas
77380, U.S.A.
Tel: +1 (281) 367-8866
Fax: +1 (281) 367-4304

Europe/Middle East
CANUSA-CPS
a division of Canusa Systems Ltd.
Unit 3, Sterling Park
Gatwick Road
Crawley, West Sussex
England RH10 9QT
Tel: +44 (1293) 541254
Fax: +44 (1293) 541777

Asia/Pacific
CANUSA-CPS
BrederoShaw (S) Pte Ltd
101 Thomson Road
#17-01/02, United Square
Singapore
307591
Tel +65-6732-2355
Fax +65-6732-9073

IG-CW-rev012

AN INFRA-RISER® SOLUTION FOR EVERY APPLICATION

INFRA-RISER® SHAPES

ROUND	SQUARE	RECTANGULAR
		
Round with taper	Square with taper	Rectangular with taper

THICKNESS	OPTION
.5″ 1″ 1.5″ 2″ 2.5″ 3″*	Flat Tapered

* Maximum height of stacked INFRA-RISER® composite rubber adjustment riser should not exceed 3″ on any installation.

CONTACT US FOR MORE INFORMATION

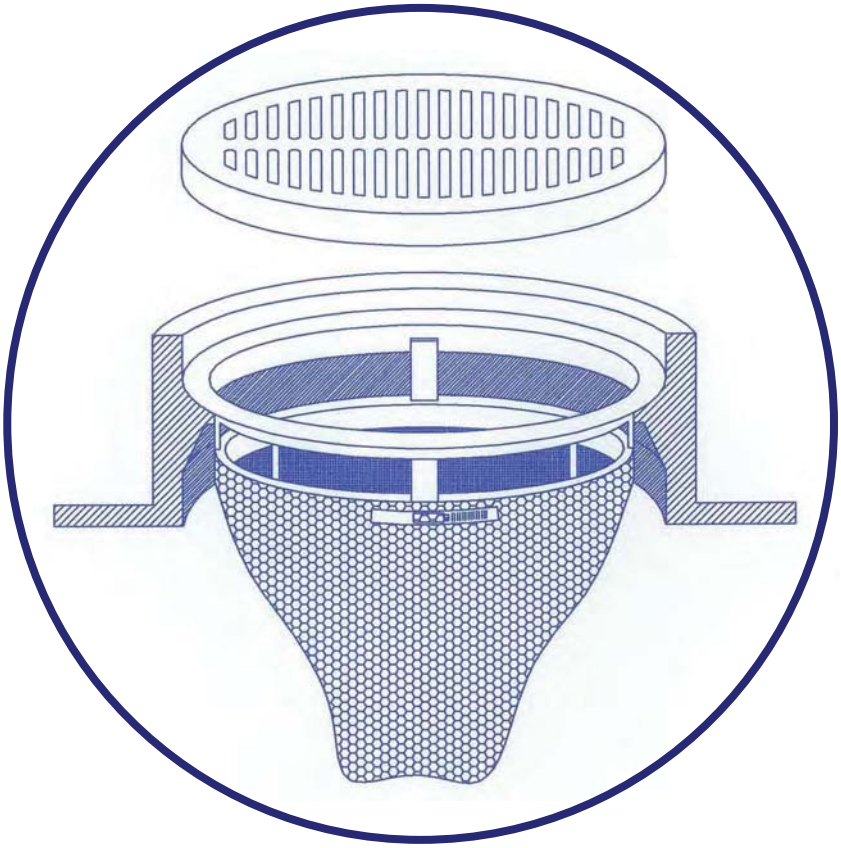
Your local East Jordan Iron Works Representative will provide you with more information on the INFRA-RISER® composite adjustment riser product line, including:

- Technical specifications and drawings for round, square, rectangular or tapered INFRA-RISER® adjustment risers
- Complete listing of available sizes
- Installation procedure for vacuum test

Catch-All

Inlet Protector

Custom fitted to virtually any inlet casting

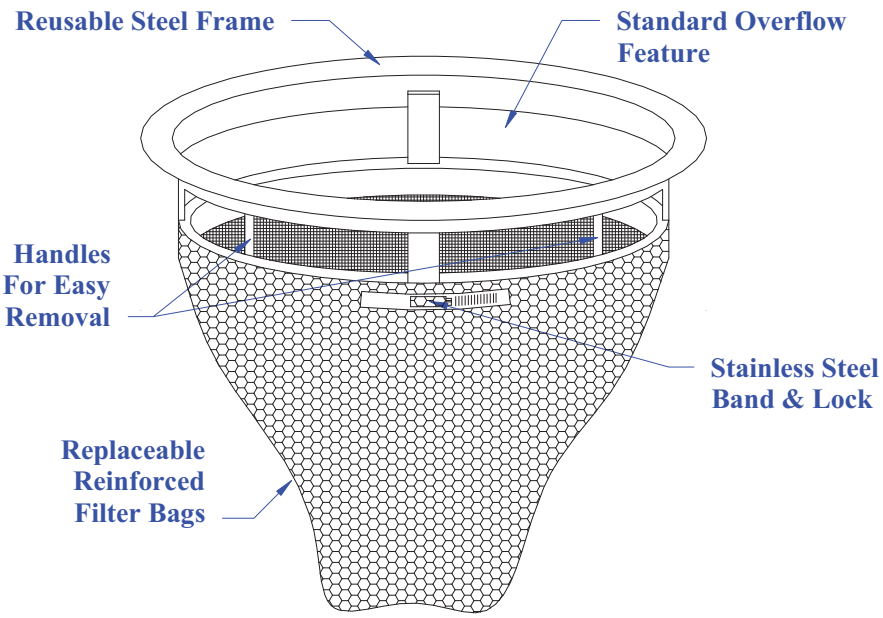


INSTALLED COMPLETELY BELOW THE GRATE

Marathon Materials, Inc.
25523 W. Schultz Street
Plainfield, IL 60544
(800) 983-9493

Distributed by…

Catch-All - **is a manufactured inlet filtration device designed to significantly reduce the ingress of pollutants into stormwater systems, and therefore, improve water quality. Designs are available for a custom fit in virtually any drainage structure casting.**



Catch-All HR is available to provide the added benefit of hydrocarbon removal.

Design Benefits

1. Pollution Prevention
   - Sediment Control
2. Pollution Removal
   - Hydrocarbons (Catch-All HR)
   - Total Suspended Sediment
   - Phosphorus*
   - Nitrogen*
   - Heavy Metals*

* *By virtue of sediment control*

Applications

1. Site Development & Highway Construction
   - Inlet Protection / Sediment Control
2. Permanent BMP
   - Maintenance Yards
   - Wash Bays
   - Parking Lots & Garages
   - Airports – Tarmac, Cab/Limo Stands, Rental Returns
   - Bank/Fast Food Drive-Ups
   - Reduce Maintenance of Underground Detention Systems
   - Reduce Maintenance of Underground Oil/Water Separators

SEDIMENT CONTROL, INLET FILTERS

Description: This work shall consist of the furnishing, installation, and removal of a drainage structure inlet filter assembly, consisting of a frame and filter bag, to collect sediment in surface stormwater runoff at locations shown on the plans or as directed by the Engineer.

The Contractor shall inspect the work site and review the plans to determine the number and dimensions of the various types of drainage structure frames (circular and rectangular) into which the inlet filters will be installed prior to ordering materials.

The drainage structure inlet filter assembly shall be installed under the grate on the lip of the drainage structure frame with the fabric bag hanging down into the drainage structure.

The drainage structure inlet filter assembly shall remain in place until final removal of the assembly is directed by the Engineer. The drainage structure inlet filter assembly shall remain the property of the Contractor.

Final removal of the assembly shall include the disposal of debris or silt that has accumulated in the filter bag at the time of final removal. Periodic cleaning of the filter is paid for separately.

Materials: The drainage structure inlet filter shall be the "Catch-All Inlet Protector", as furnished by Marathon Materials, Inc., 25523 W. Schultz St., Plainfield, IL 60544, (800) 983-9493, or approved equal. A detail drawing in the plans depicts the drainage structure inlet filter assembly.

The drainage structure inlet filter assembly consists of a steel frame with a replaceable geotextile fabric bag attached with a steel band with locking cap that is suspended from the frame. A clean used bag and a used steel frame in good condition, meeting the approval of the Engineer, may be substituted for new materials.

The drainage structure inlet filter assembly frame shall be rigid steel meeting the requirements of ASTM-A36. The frame shall include an overflow feature that is welded to the frame's ring. The overflow feature shall be designed to allow full flow of water into the structure if the filter bag is filled with sediment. The dimensions of the assembly frame shall allow the drainage structure grate to fit into the inlet filter assembly frame opening. The assembly frame shall rest on the inside lip of the drainage structure frame for the full variety of existing and proposed drainage structure frames that are present on this contract.

The drainage structure inlet filter assembly bag shall be constructed of a polypropylene geotextile fabric with a minimum weight of 4 ounces per square yard, a minimum flow rate of 145 gallons per minute per square foot, and designed for a minimum silt and debris capacity of 2 cubic feet. The filter bag shall be reinforced with an outer layer of polyester mesh fabric with a minimum weight of 4 ounces per square yard. The filter bag shall be suspended from the steel frame with a stainless steel band and locking cap. The inlet filter assembly frame shall not cause the drainage structure grate to extend higher than 1/8 inch above the drainage structure frame.

Basis of Payment: The work will be paid for at the contract unit price per each for SEDIMENT CONTROL, INLET FILTERS, which price shall include all costs for labor, materials, equipment, and incidentals necessary to perform the work.

SEDIMENT CONTROL, INLET FILTERS CLEANING

Description: This work shall consist of cleaning sediment out of a drainage structure inlet filter when directed by the Engineer. This cleaning work is to be periodically performed as directed by the Engineer, for the duration of the use of each drainage structure inlet filter assembly. The Engineer will be the sole judge of the need for cleaning, based on the rate that debris and silt is collected at each inlet filter location.

Cleaning of the inlet filter shall consist of inspecting, cleaning (includes removal and proper disposal of debris and silt that has accumulated in the filter fabric bag), by vactoring, removing and dumping or any other method approved by the Engineer.

Method of Measurement: Cleaning of the drainage structure inlet filter shall be measured for payment each time that the cleaning work is performed at each of the drainage structure inlet filter locations.

Basis of Payment: The work will be paid for at the contract unit price per each for SEDIMENT CONTROL, INLET FILTERS CLEANING, which price shall include all costs for labor, materials, equipment, and incidentals necessary to perform the work.

Catch-All Inlet Protector

INLET FILTER SYSTEM MATERIALS

I. Non-Woven Polypropylene Filter Geotextile

Property	Test Method	Units	Minimum Average Roll Value (English)
Grab Tensile Strength	ASTM-D-4632	lbs	100
Grab Tensile Elongation	ASTM-D-4632	%	50
Mullen Burst	ASTM-D-3786	psi	225
Puncture	ASTM-D-4833	lbs	65
Trapezoidal Tear	ASTM-D-4533	lbs	45
UV Resistance	ASTM-D-4355	% @ hrs	70 @ 500
Hydraulic			
Apparent Opening Size	ASTM-D-1420	US Sieve	70
Permittvity	ASTM-D-4491	Sec. – 1	2.0
Flow Rate	ASTM-D-4491	Gal/min/ft²	145

II. Reinforcing Polyester Outer Mesh Fabric

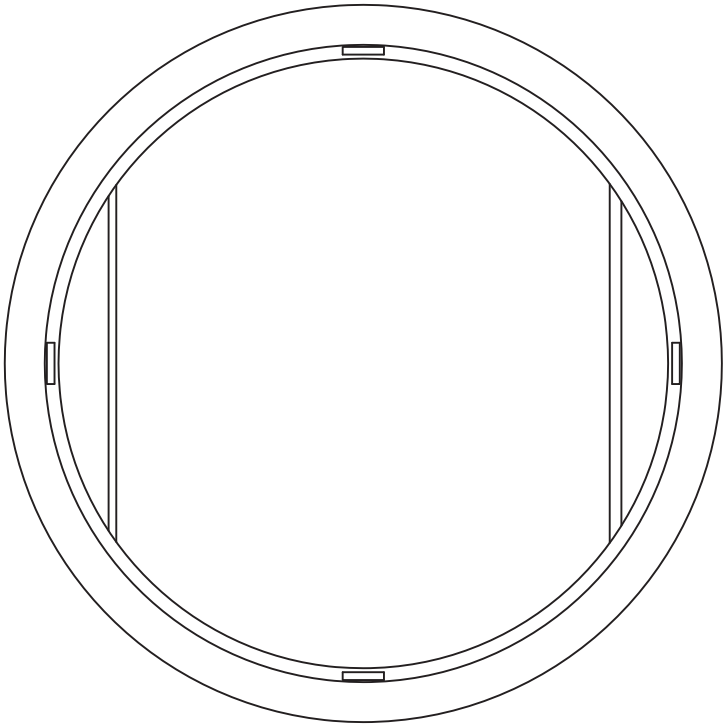
Property	Test Method	Value
Content	ASTM-D-629	Polyester
Weight (oz/yd²)	ASTM-D-3776	4.55 ± 15%
Whales (holes) inch	ASTM-D-3887	7.5 ± 2
Chorses (holes) inch	ASTM-D-3887	15.5 ± 2
Instronball Burst (psi)	ASTM-D-3887	120 min
Thickness	ASTM-D-1777	.040 ± .005

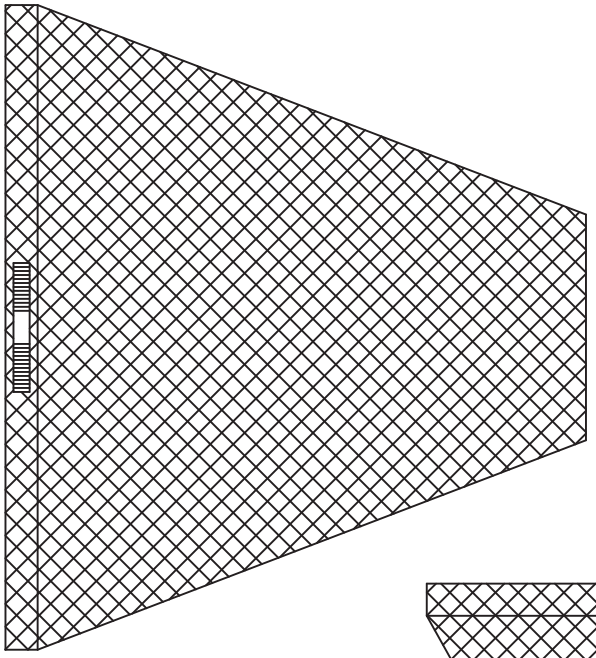
III. HR (*Hydrocarbon Removal*) Pillow Capacities

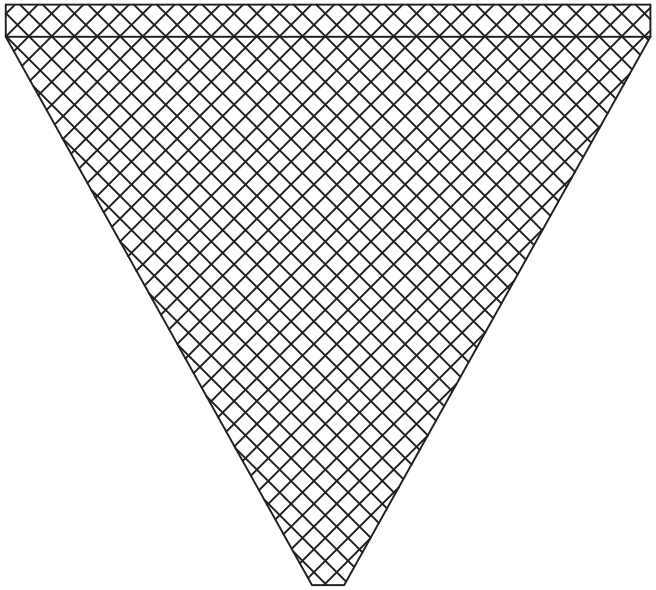
HR Pillow - 2.6 oz. Adsorbent/lf.

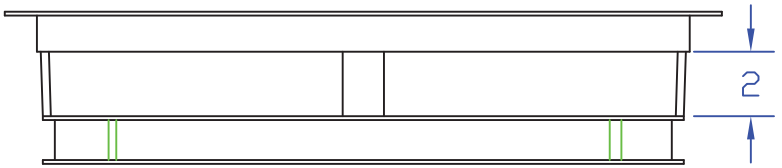
Type of Oil	Capacity by Weight – Oil / Adsorbent
Diesel	10:1
Fuel Oil	9:1
Machine Oil	8:1
30W Motor Oil	7:1

All capacities are rounded down









GENERAL NOTES:

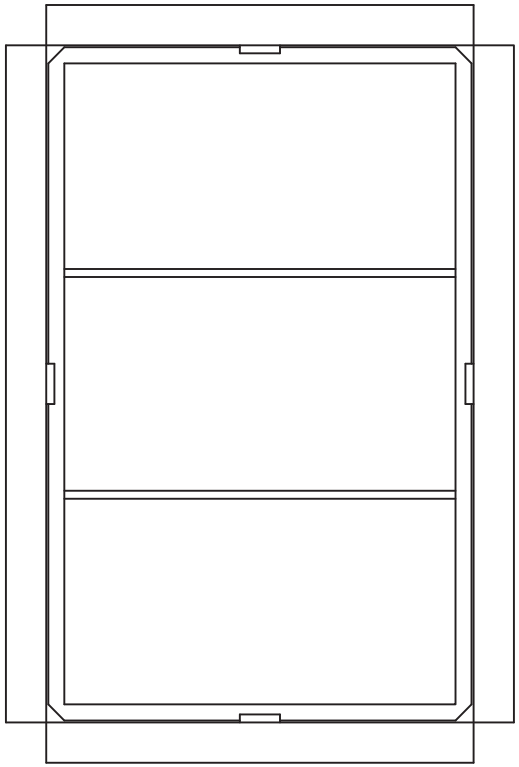
FRAME: Top flange fabricated from 1¼"x1¼"x⅛" angle. Base rim fabricated from 1½"x½"x⅛" channel. Handles and suspension brackets fabricated from 1¼"x¼" flat stock. All steel conforming to ASTM-A36.

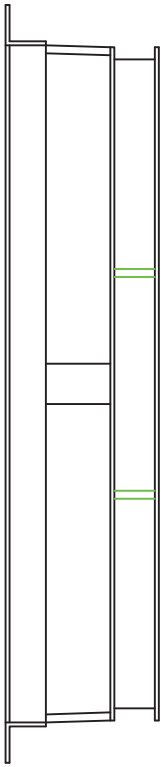
SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

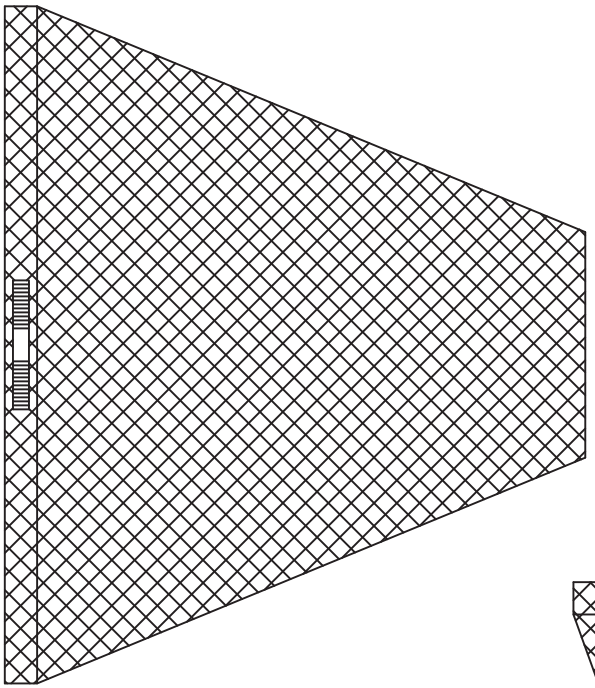
DATE	REVISIONS
01-11-02	Original

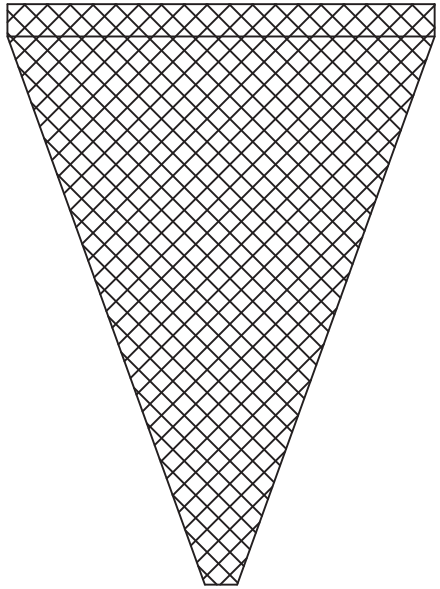
Typical Round
Catch-All

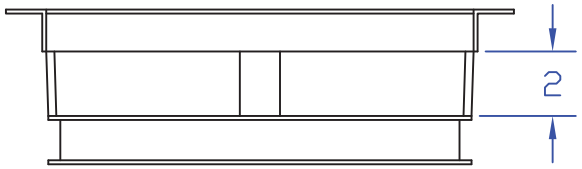
Marathon Materials, Inc.











GENERAL NOTES:

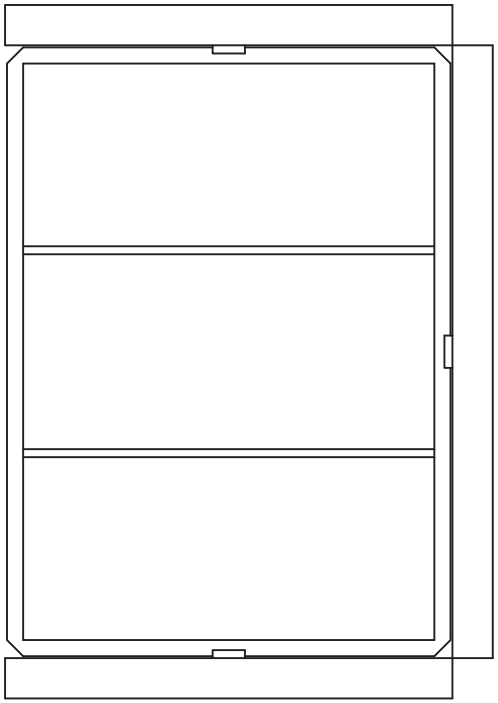
FRAME: Top flange fabricated from 1¼"x1¼"x⅛" angle. Base rim fabricated from 1½"x½"x⅛" channel. Handles and suspension brackets fabricated from 1¼"x¼" flat stock. All steel conforming to ASTM-A36.

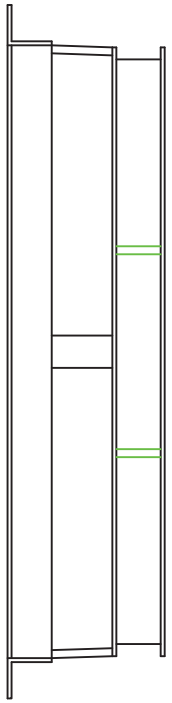
SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

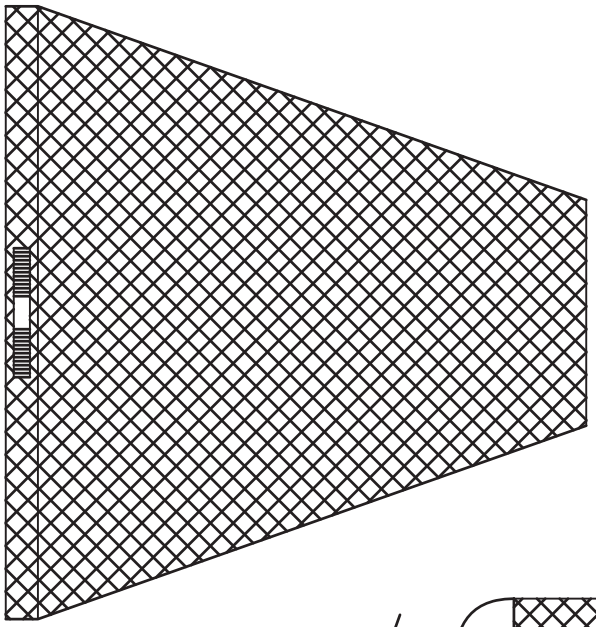
DATE	REVISIONS
01-22-02	Original

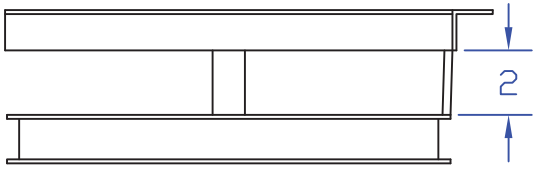
Typical Rectangular Catch-All

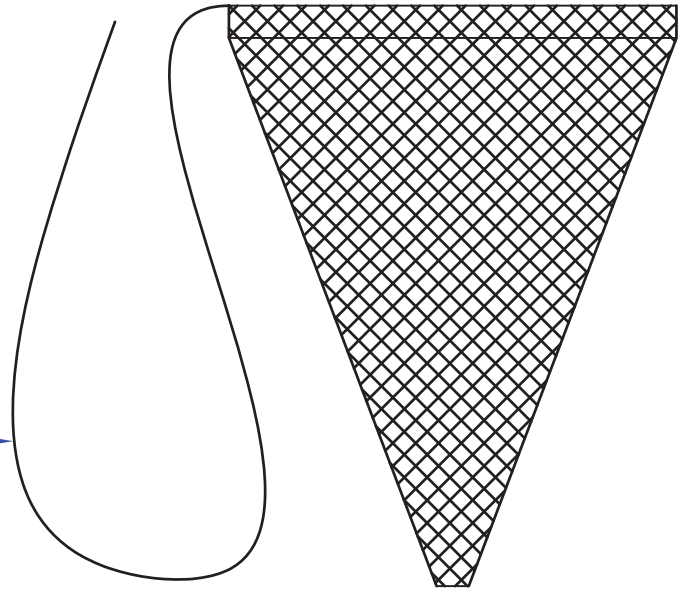
Marathon Materials, Inc.











GENERAL NOTES:

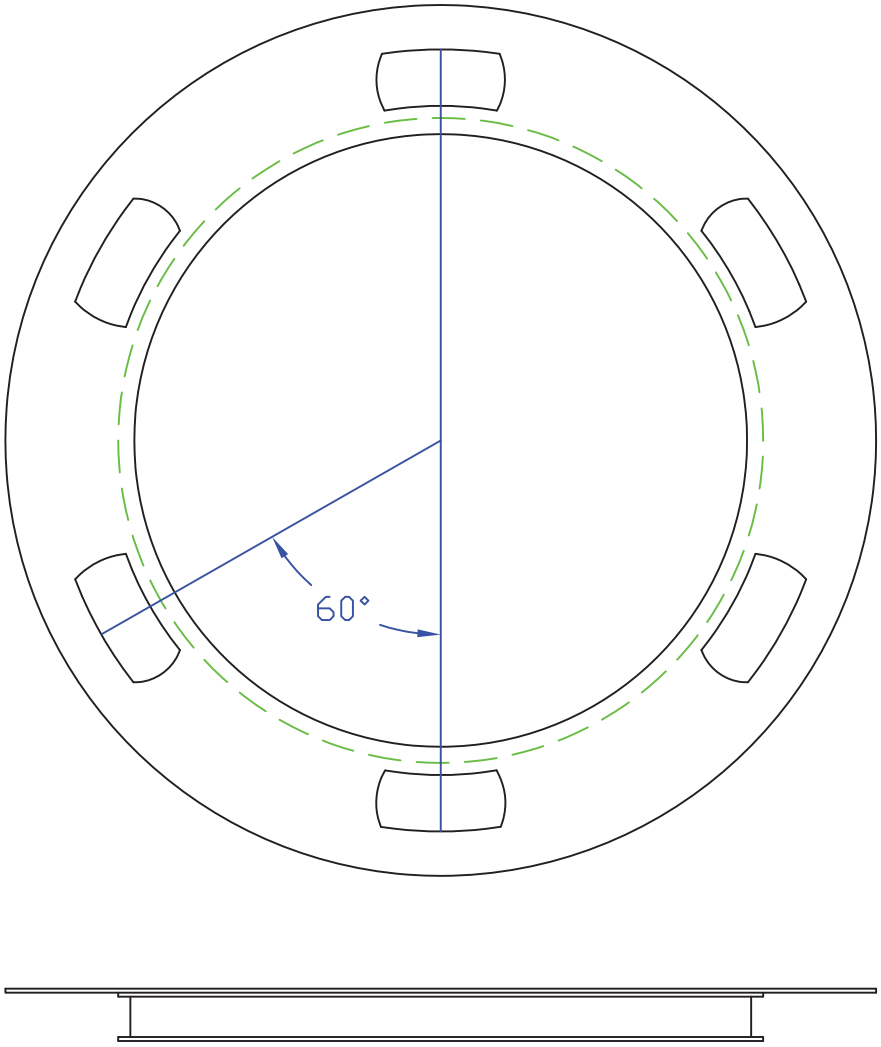
FRAME: Top flange fabricated from 1¼"x1¼"x⅛" angle. Base rim fabricated from 1½"x½"x⅛" channel. Handles and suspension brackets fabricated from 1¼"x¼" flat stock. All steel conforming to ASTM-A36.

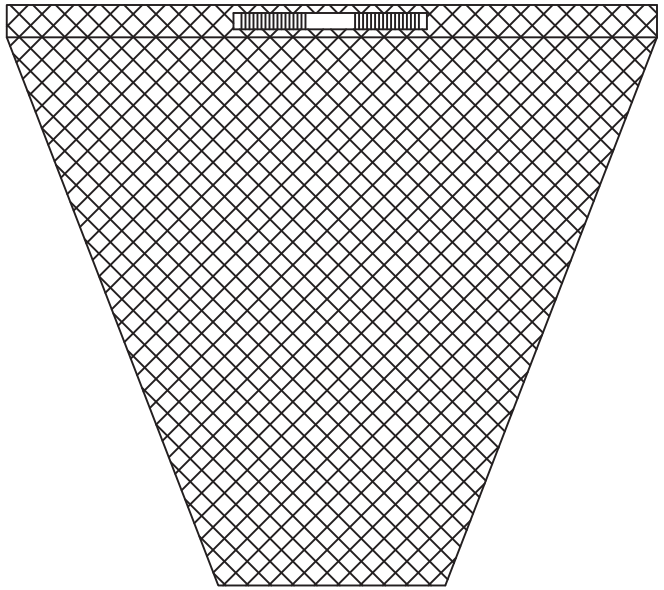
SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

DATE	REVISIONS
01-11-02	Original
05-07-04	Remove Back Rail

Typical Curb Box Catch-All

Marathon Materials, Inc.





GENERAL NOTES:
FRAME: Top flange fabricated from 1¼"x1¼"x⅛" angle. Base rim fabricated from 1½"x½"x⅛" channel. Handles and suspension brackets fabricated from 1¼"x¼" flat stock. All steel conforming to ASTM-A36.
SEDIMENT BAG: Bag fabricated from 4 oz./sq.yd. non-woven polypropylene geotextile reinforced with polyester mesh. Bag secured to base rim with a stainless steel band and lock.

DATE	REVISIONS
01-22-02	Original

Typical Beehive Catch-All

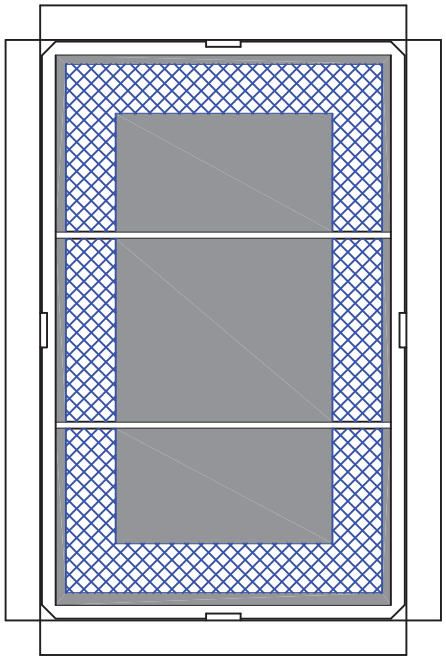
Marathon Materials, Inc.

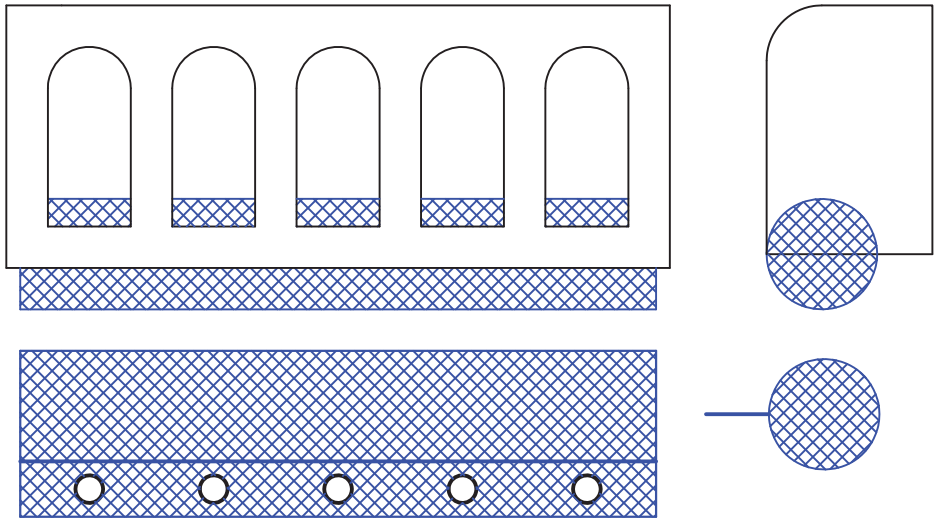
Catch-All HR

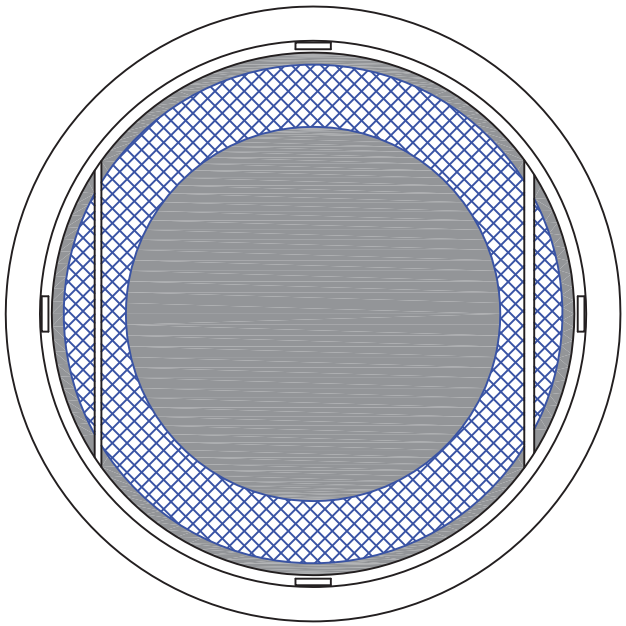
Catch-All Inlet Protector HR – combines all of the benefits of the standard Catch-All with the added benefit of hydrocarbon removal.

- Custom fitted to virtually any inlet casting
- Standard overflow feature
- Replaceable reinforced sediment bags
- Rugged welded steel frames
- Quick and simple installation & maintenance

Marathon Materials, Inc.
(800) 983-9493
25523 W. Schultz St.
Plainfield, IL 60544
www.marathonmaterials.com







This detail depicts the typical placement of the HR (hydrocarbon removal) pillow. An HR pillow is hemmed to the entire perimeter of the sediment bag +/- 4" from the top of the bag and extends +/- 4" towards center. Curb boxes are protected with a separate pillow that is secured to either the curb box vanes or the top flange of the Catch-All frame.

DATE	REVISIONS	Catch-All HR Adsorbent Pillow
5.12.04	Original	
		Marathon Materials, Inc.

Suggested Maintenance
Catch-All Inlet Protector

The frequency and degree of maintenance required is dependent on site conditions and rainfall. Certain types of soil and run-off laden with hydrocarbons, (oil, solvents, etc.), tend to "*silt-up*" the fabric bags more quickly than others.

Generally, the bags can be emptied, inverted, washed, and re-used throughout an entire project. They may also be vacuumed. The bag must be replaced if it is severely worn or torn.

GUIDELINES FOR CONSTRUCTION SITES

1. Inspect the bag at least every 2 weeks – Clean, if needed
2. Inspect the bag every time there is rainfall totaling 1 or more inches – Clean, if needed
3. Replace the bag if it has a hole in it
4. Replace the bag if it appears clean but won't pass water

Suggested Maintenance
Catch-All HR

Typically, the Catch-All HR is installed in a paved parking lot or maintenance yard. The degree and frequency of maintenance required is generally far less than for Catch-Alls installed at construction sites.

GUIDELINES FOR PARKING LOTS & MAINTENANCE YARDS

1. Inspect the bag at least once per month – Clean, if needed
2. Inspect the bag every time there is rainfall totaling more than two inches – Clean, if needed
3. Replace the bag every 6 months; More often for harsh environments
4. Replace the bag after any oil, gasoline, or solvent spill
5. Replace the bag if it has a hole in it
6. Replace the bag if it appears clean but won't pass water

INLET FILTER SYSTEM w/Hydrocarbon Removal

PART 1 GENERAL

1.01 WORK REQUIRED

An inlet filter system, as shown in the details, shall be installed and maintained in open grate frames as directed by the engineer.

1.02 SUBMITTALS

The contractor shall make submittals of the manufacturer's literature, shop drawings, installation and maintenance instructions, and other items in accordance with the provisions of the Standard Specifications.

PART 2 PRODUCTS

2.01 INLET FILTER SYSTEM HR

Inlet filter system HR shall consist of a replaceable reinforced filter bag with hydrocarbon removal capabilities suspended from a retainer ring, or frame. Inlet Filter Systems shall be the Catch-All **HR**, with Overflow, as furnished by Marathon Materials, Inc., or pre-approved equal.

The filter bag shall be constructed of a non-woven polypropylene filter geotextile fabric with a minimum weight of 4 oz./yd.^{2}, a minimum flow rate of 145 gal./min./ft.^{2}, and designed for a minimum silt and debris capacity of 2 cu. ft. The filter bag shall be reinforced with a polyester mesh fabric with a minimum weight of 4 oz./yd.^{2} and shall be fitted with a hydrocarbon removal pillow. The hydrocarbon removal pillow shall be hemmed around the entire perimeter of the sediment bag and extend a minimum of four inches towards center. The pillow shall have the capacity to adsorb a minimum seven times its own weight of hydrocarbon-based pollutants. *Curb boxes shall be fitted with a separate pillow, meeting the same requirements, that extends the full width of the box.* The filter bag shall be suspended from a galvanized steel ring, or frame, conforming to ASTM-A36, utilizing a stainless steel band and locking clamp. The frame shall be designed with an overflow feature to prevent any ponding during heavy rainfall.

PART 3 MEASUREMENT AND PAYMENT

3.01 INLET FILTER SYSTEM

All costs for furnishing and installing the inlet filter system HR shall be included in the unit bid price. Periodic cleaning and new bags shall be paid for separately.

DETAILS

As provided in plans.

Section E

TRENCH BACKFILL TABLES FOR CONCRETE PIPES

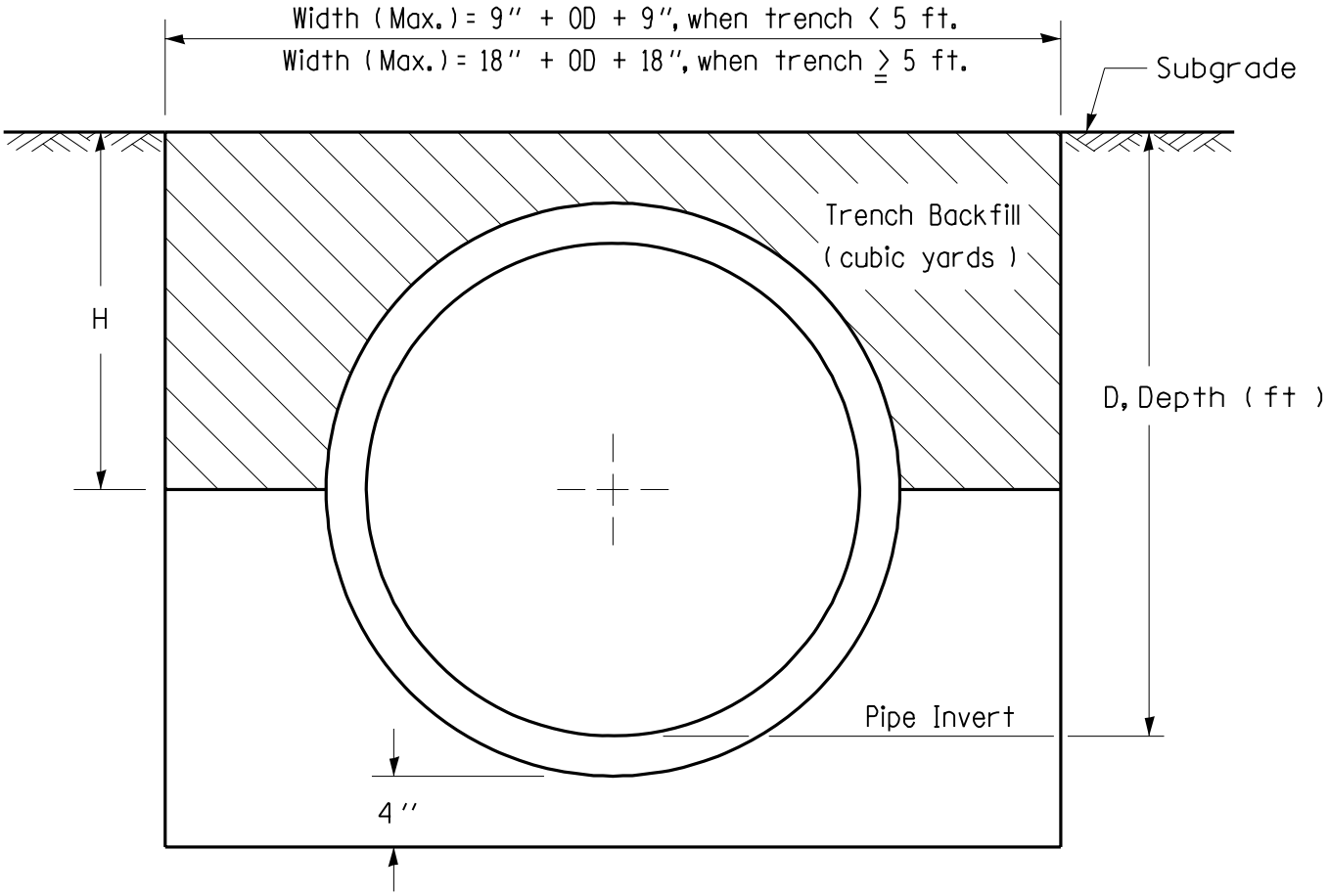
Section E

TRENCH BACKFILL TABLES FOR CONCRETE PIPES

These tables can be used by the designer or the field engineer to determine the volume of TRENCH BACKFILL that can be paid for when backfilling storm sewer trenches. Maximum trench widths adopted by the January 1, 2002 Standard Specifications are used.

NOTE: The calculated volumes are based on the use of standard **English sized pipes** which meet the tolerances of the Metric pay item.

TRENCH BACKFILL TABLE FOR CIRCULAR CONCRETE PIPE, ENGLISH



EXAMPLE

Given:	Pipe = 42” Storm Sewer	
	Average Depth, D = 6.8 feet	
	Trench Length = 84.7 feet	
Find:	Cubic Yards or TRENCH BACKFILL	
Solution:	From Table, Cubic yard/lin. ft.	= 1.093
	x Trench length	= x 84.7
	TRENCH BACKFILL	= 92.6 cu. yds.

NOTE: If the field engineer measures a width of trench less than the maximum permitted, the values included herein will be of no value. The actual volume of TRENCH BACKFILL used will therefore have to be calculated using the following formula:

$$\text{Cubic Yards} = \left[(H' \times W') - \left(\frac{\text{Pipe End Area}}{2} \right) \right] \times L' \times 1/27$$

VOLUME OF TRENCH BACKFILL (CU.YDS.) PER LINEAL FT. OF STORM SEWER

D(ft) = Average Depth of Trench from Subgrade to Invert of Pipe	Inside Diameter Wall thickness	8” 1.667”	10” 1.833”	12” 2.00”	15” 2.25”	18” 2.50”	21” 2.75”
	2.0	0.138	0.136	0.132	0.121	0.105	0.083
	2.2	0.156	0.155	0.152	0.143	0.130	0.111
	2.4	0.174	0.175	0.173	0.167	0.155	0.138
	2.6	0.192	0.194	0.194	0.190	0.180	0.166
	2.8	0.210	0.214	0.215	0.213	0.205	0.193
	3.0	0.228	0.234	0.236	0.236	0.231	0.220
	3.2	0.246	0.253	0.257	0.259	0.256	0.248
	3.4	0.264	0.272	0.278	0.282	0.281	0.275
	3.6	0.282	0.292	0.299	0.305	0.307	0.303
	3.8	0.300	0.311	0.320	0.329	0.332	0.330
	4.0	0.319	0.331	0.341	0.352	0.358	0.358
	4.2	0.336	0.350	0.362	0.375	0.383	0.385
	4.4	0.354	0.370	0.383	0.398	0.408	0.413
	4.6	0.610	0.622	0.632	0.642	0.647	0.647
	4.8	0.639	0.653	0.664	0.676	0.684	0.686
	5.0	0.668	0.683	0.696	0.711	0.720	0.724
	5.2	0.698	0.714	0.728	0.745	0.756	0.763
	5.4	0.727	0.745	0.760	0.779	0.793	0.801
	5.6	0.756	0.776	0.792	0.813	0.829	0.840
	5.8	0.785	0.807	0.824	0.848	0.866	0.879
	6.0	0.815	0.837	0.856	0.882	0.902	0.918
	6.2	0.844	0.867	0.888	0.916	0.938	0.956
	6.4	0.873	0.898	0.921	0.950	0.975	0.994
	6.6	0.903	0.929	0.953	0.985	1.011	1.033
	6.8	0.932	0.959	0.985	1.019	1.048	1.071
	7.0	0.961	0.990	1.017	1.053	1.084	1.110
	7.2	0.990	1.021	1.049	1.087	1.121	1.149
	7.4	1.019	1.051	1.081	1.122	1.157	1.187
	7.6	1.049	1.082	1.113	1.156	1.193	1.226
	7.8	1.078	1.113	1.145	1.190	1.230	1.264
	8.0	1.107	1.143	1.177	1.224	1.266	1.303
	8.2	1.136	1.174	1.209	1.259	1.303	1.342
	8.4	1.165	1.205	1.241	1.293	1.340	1.380
	8.6	1.195	1.235	1.274	1.328	1.376	1.419
	8.8	1.224	1.266	1.306	1.362	1.412	1.458
	9.0	1.253	1.297	1.338	1.396	1.449	1.496
	9.2	1.282	1.327	1.370	1.430	1.485	1.535
	9.4	1.311	1.358	1.402	1.465	1.522	1.574
	9.6	1.341	1.389	1.435	1.499	1.558	1.612
	9.8	1.370	1.419	1.467	1.533	1.594	1.651
	10.0	1.399	1.450	1.499	1.568	1.631	1.689
	10.2	1.428	1.481	1.531	1.602	1.667	1.728
	10.4	1.457	1.511	1.563	1.636	1.704	1.767
	10.6	1.487	1.542	1.595	1.671	1.740	1.805
	10.8	1.516	1.573	1.627	1.705	1.776	1.844
	11.0	1.545	1.603	1.659	1.739	1.813	1.882
	11.2	1.574	1.634	1.691	1.773	1.849	1.921
	11.4	1.603	1.665	1.723	1.808	1.886	1.960
	11.6	1.633	1.696	1.755	1.842	1.922	1.998
	11.8	1.662	1.726	1.788	1.876	1.958	2.037
	For each additional 0.2’ depth						
		+0.0292	+0.0307	+0.0321	+0.0343	+0.0364	+0.0386

VOLUME OF TRENCH BACKFILL (CU.YDS.) PER LINEAL FT. OF STORM SEWER

D(ft) = Average Depth of Trench from Subgrade to Invert of Pipe	Inside Diameter Wall thickness	24” 3.00”	27” 3.25”	30” 3.50”	33” 3.75”	36” 4.00”	42” 4.50”
	2.4	0.116					
	2.6	0.146	0.121				
	2.8	0.175	0.152	0.124			
	3.0	0.205	0.184	0.158			
	3.2	0.235	0.216	0.192	0.163		
	3.4	0.264	0.248	0.226	0.199	0.168	
	3.6	0.294	0.280	0.260	0.236	0.206	
	3.8	0.323	0.311	0.294	0.272	0.244	
	4.0	0.353	0.343	0.328	0.308	0.282	0.216
	4.2	0.383	0.375	0.362	0.344	0.321	0.259
	4.4	0.412	0.407	0.571	0.548	0.520	0.448
	4.6	0.642	0.632	0.616	0.595	0.569	0.502
	4.8	0.683	0.674	0.661	0.643	0.619	0.556
	5.0	0.723	0.717	0.706	0.690	0.668	0.610
	5.2	0.764	0.760	0.751	0.737	0.718	0.663
	5.4	0.805	0.803	0.796	0.784	0.767	0.717
	5.6	0.846	0.846	0.841	0.831	0.816	0.771
	5.8	0.886	0.889	0.886	0.879	0.866	0.824
	6.0	0.927	0.932	0.931	0.926	0.915	0.878
	6.2	0.968	0.975	0.976	0.973	0.964	0.932
	6.4	1.009	1.018	1.022	1.020	1.014	0.985
	6.6	1.049	1.061	1.067	1.068	1.063	1.039
	6.8	1.090	1.103	1.112	1.115	1.113	1.093
	7.0	1.131	1.146	1.157	1.162	1.162	1.147
	7.2	1.172	1.189	1.202	1.209	1.211	1.200
	7.4	1.212	1.232	1.247	1.256	1.261	1.254
	7.6	1.253	1.275	1.292	1.304	1.310	1.308
	7.8	1.294	1.318	1.337	1.351	1.359	1.361
	8.0	1.335	1.361	1.382	1.398	1.409	1.415
	8.2	1.375	1.404	1.427	1.445	1.458	1.469
	8.4	1.416	1.447	1.473	1.493	1.508	1.523
	8.6	1.457	1.490	1.518	1.540	1.557	1.577
	8.8	1.498	1.533	1.563	1.587	1.607	1.630
	9.0	1.539	1.576	1.608	1.635	1.656	1.684
	9.2	1.579	1.619	1.653	1.682	1.706	1.738
	9.4	1.620	1.662	1.698	1.729	1.755	1.791
	9.6	1.661	1.704	1.743	1.776	1.804	1.845
	9.8	1.701	1.747	1.788	1.823	1.854	1.899
	10.0	1.742	1.790	1.833	1.871	1.903	1.953
	10.2	1.783	1.833	1.878	1.918	1.953	2.006
	10.4	1.824	1.876	1.924	1.965	2.002	2.060
	10.6	1.864	1.919	1.968	2.012	2.051	2.114
	10.8	1.905	1.962	2.013	2.060	2.100	2.167
	11.0	1.946	2.005	2.058	2.107	2.150	2.221
	11.2	1.987	2.048	2.103	2.154	2.199	2.275
	11.4	2.028	2.091	2.148	2.201	2.249	2.328
	11.6	2.068	2.133	2.193	2.249	2.298	2.382
	11.8	2.109	2.176	2.239	2.296	2.347	2.436
	12.0	2.150	2.219	2.284	2.343	2.397	2.490
	12.2	2.191	2.262	2.329	2.390	2.446	2.543
	For each additional 0.2’ depth:						
		+0.0407	+0.0429	+0.0451	+0.0472	+0.0494	+0.0537

VOLUME OF TRENCH BACKFILL (CU.YDS.) PER LINEAL FT. OF STORM SEWER

Inside Diameter Wall thickness	48” 5.00”	54” 5.50”	60” 6.00”	66” 6.50”	72” 7.00”	78” 7.50”
4.6	0.414					
4.8	0.472					
5.0	0.530	0.430				
5.2	0.588	0.492				
5.4	0.646	0.555				
5.6	0.704	0.617	0.509			
5.8	0.762	0.679	0.576			
6.0	0.820	0.742	0.643			
6.2	0.878	0.804	0.709	0.594		
6.4	0.936	0.866	0.776	0.665		
6.6	0.994	0.929	0.843	0.736	0.608	
6.8	1.052	0.991	0.909	0.807	0.683	
7.0	1.110	1.053	0.976	0.878	0.759	
7.2	1.168	1.116	1.043	0.949	0.834	0.699
7.4	1.226	1.178	1.109	1.020	0.909	0.778
7.6	1.284	1.240	1.176	1.091	0.985	0.858
7.8	1.342	1.303	1.243	1.162	1.060	0.938
8.0	1.400	1.365	1.309	1.233	1.135	1.017
8.2	1.458	1.428	1.376	1.304	1.211	1.097
8.4	1.517	1.490	1.443	1.375	1.286	1.177
8.6	1.575	1.553	1.510	1.446	1.362	1.257
8.8	1.633	1.615	1.576	1.517	1.437	1.336
9.0	1.691	1.677	1.643	1.588	1.512	1.416
9.2	1.749	1.739	1.710	1.659	1.588	1.495
9.4	1.807	1.802	1.776	1.730	1.663	1.575
9.6	1.865	1.864	1.843	1.801	1.738	1.655
9.8	1.923	1.927	1.910	1.872	1.813	1.734
10.0	1.981	1.989	1.977	1.943	1.889	1.814
10.2	2.039	2.051	2.043	2.014	1.964	1.893
10.4	2.097	2.113	2.110	2.085	2.039	1.973
10.6	2.155	2.176	2.177	2.156	2.115	2.053
10.8	2.213	2.238	2.243	2.227	2.190	2.132
11.0	2.271	2.300	2.310	2.298	2.265	2.212
11.2	2.329	2.363	2.377	2.369	2.341	2.292
11.4	2.387	2.425	2.443	2.440	2.416	2.371
11.6	2.445	2.487	2.509	2.511	2.491	2.451
11.8	2.503	2.550	2.576	2.582	2.566	2.531
12.0	2.561	2.612	2.643	2.653	2.642	2.610
12.2	2.619	2.675	2.709	2.724	2.717	2.690
12.4	2.677	2.738	2.776	2.795	2.792	2.770
12.6	2.735	2.800	2.843	2.866	2.868	2.849
12.8	2.793	2.862	2.909	2.937	2.943	2.929
13.0	2.852	2.925	2.976	3.008	3.018	3.008
13.2	2.910	2.987	3.043	3.079	3.094	3.088
13.4	2.968	3.049	3.110	3.150	3.169	3.168
13.6	3.026	3.111	3.176	3.221	3.244	3.247
13.8	3.084	3.174	3.243	3.292	3.320	3.327
14.0	3.142	3.236	3.310	3.363	3.395	3.407
14.2	3.200	3.298	3.376	3.434	3.470	3.486
12.4	3.258	3.361	3.443	3.505	3.545	3.566
For each additional 0.2’ depth						
	+0.0580	+0.0623	+0.0667	+0.0710	+0.0753	+0.0796

D(ft) = Average Depth of Trench from Subgrade to Invert of Pipe

VOLUME OF TRENCH BACKFILL (CU.YDS.) PER LINEAL FT. OF STORM SEWER

D(ft) = Average Depth of Trench from Subgrade to Invert of Pipe	Inside Diameter Wall thickness	84” 8.00”	90” 8.50”	96” 9.00”	102” 9.50”	108” 10.00”
	7.8	0.795				
	8.0	0.879				
	8.2	0.963				
	8.4	1.047	0.896			
	8.6	1.131	0.984			
	8.8	1.215	1.073	0.910	0.726	0.522
	9.0	1.299	1.161	1.002	0.823	0.623
	9.2	1.382	1.249	1.095	0.920	0.724
	9.4	1.466	1.338	1.187	1.017	0.825
	9.6	1.550	1.426	1.280	1.114	0.927
	9.8	1.634	1.514	1.373	1.211	1.028
	10.0	1.718	1.602	1.467	1.307	1.129
	10.2	1.802	1.690	1.558	1.404	1.230
	10.4	1.886	1.778	1.650	1.501	1.331
	10.6	1.970	1.866	1.743	1.598	1.433
	10.8	2.054	1.955	1.835	1.695	1.534
	11.0	2.138	2.043	1.928	1.792	1.635
	11.2	2.222	2.131	2.021	1.889	1.737
	11.4	2.306	2.220	2.113	1.986	1.838
	11.6	2.390	2.308	2.206	2.083	1.939
	11.8	2.474	2.396	2.298	2.180	2.040
	12.0	2.558	2.485	2.391	2.277	2.141
	12.2	2.642	2.573	2.484	2.374	2.243
	12.4	2.726	2.661	2.576	2.471	2.344
	12.6	2.810	2.749	2.669	2.567	2.445
	12.8	2.894	2.838	2.761	2.664	2.547
	13.0	2.978	2.926	2.854	2.761	2.648
	13.2	3.062	3.014	2.947	2.858	2.749
	13.4	3.146	3.102	3.039	2.955	2.850
	13.6	3.230	3.191	3.132	3.052	2.951
	13.8	3.314	3.279	3.224	3.149	3.053
	14.0	3.398	3.367	3.317	3.246	3.154
	14.2	3.482	3.455	3.410	3.343	3.255
	14.4	3.566	3.544	3.502	3.440	3.357
	14.6	3.649	3.632	3.595	3.537	3.458
	14.8	3.733	3.720	3.687	3.634	3.559
	15.0	3.817	3.809	3.780	3.730	3.660
	15.2	3.901	3.897	3.873	3.827	3.761
	15.4	3.985	3.985	3.965	3.924	3.863
	15.6	4.069	4.074	4.058	4.021	3.964
	15.8	4.153	4.162	4.150	4.118	4.065
	16.0	4.237	4.250	4.243	4.215	4.166
	16.2	4.321	4.338	4.335	4.312	4.268
	16.4	4.405	4.426	4.428	4.409	4.369
	16.6	4.488	4.515	4.521	4.506	4.470
	16.8	4.572	4.603	4.613	4.603	4.571
	17.0	4.656	4.691	4.706	4.699	4.672
	17.2	4.740	4.780	4.798	4.796	4.774
	17.4	4.824	4.868	4.891	4.893	4.875
	17.6	4.908	4.956	4.984	4.990	4.976
	For each additional 0.2’ depth:					
		+0.0839	+0.0883	+0.0926	+0.0969	+0.1012

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2026

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction
(Adopted 1-1-22) (Revised 1-1-26)

SUPPLEMENTAL SPECIFICATIONS

Std. Spec. Sec.		Page No.
109	Measurement and Payment	1
202	Earth and Rock Excavation	2
204	Borrow and Furnished Excavation	3
207	Porous Granular Embankment	4
211	Topsoil and Compost	5
214	Grading and Shaping Ditches	6
406	Hot-Mix Asphalt Binder and Surface Course	7
407	Hot-Mix Asphalt Pavement (Full-Depth)	9
420	Portland Cement Concrete Pavement	10
502	Excavation for Structures	11
504	Precast Concrete Structures	12
509	Metal Railings	13
522	Retaining Walls	14
540	Box Culverts	15
542	Pipe Culverts	35
550	Storm Sewers	44
586	Granular Backfill for Structures	51
601	Pipe Drains, Pipe Underdrains, and French Drains	52
630	Steel Plate Beam Guardrail	53
632	Guardrail and Cable Road Guard Removal	54
644	High Tension Cable Median Barrier	55
665	Woven Wire Fence	56
701	Work Zone Traffic Control and Protection	57
781	Raised Reflective Pavement Markers	59
782	Reflectors	60
801	Electrical Requirements	62
821	Roadway Luminaires	65
1003	Fine Aggregates	66
1004	Coarse Aggregates	67
1010	Finely Divided Minerals	69
1020	Portland Cement Concrete	70
1030	Hot-Mix Asphalt	73
1040	Drain Pipe, Tile, and Wall Drain	74
1042	Precast Concrete Products	75
1061	Waterproofing Membrane System	76

1067 Luminaire …… 77
1097 Reflectors 84
1102 Hot-Mix Asphalt Equipment 85

Illinois Department of Transportation

Check Sheet for Recurring Special Provisions

Local Public Agency	County	Section Number

☐ **Check this box for lettings prior to 01/01/2026**

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	87
2	☐	Subletting of Contracts (Federal-Aid Contracts)	90
3	☐	EEO	91
4	☐	Specific EEO Responsibilities Non Federal-Aid Contracts	101
5	☐	Required Provisions - State Contracts	106
6	☐	Asbestos Bearing Pad Removal	112
7	☐	Asbestos Waterproofing Membrane and Asbestos HMA Surface Removal	113
8	☐	Temporary Stream Crossings and In-Stream Work Pads	114
9	☐	Construction Layout Stakes	115
10	☐	Use of Geotextile Fabric for Railroad Crossing	118
11	☐	Subsealing of Concrete Pavements	120
12	☐	Hot-Mix Asphalt Surface Correction	124
13	☐	Pavement and Shoulder Resurfacing	126
14	☐	Patching with Hot-Mix Asphalt Overlay Removal	127
15	☐	Polymer Concrete	129
16	☐	Reserved	131
17	☐	Bicycle Racks	132
18	☐	Temporary Portable Bridge Traffic Signals	134
19	☐	Nighttime Inspection of Roadway Lighting	136
20	☐	English Substitution of Metric Bolts	137
21	☐	Calcium Chloride Accelerator for Portland Cement Concrete	138
22	☒	Quality Control of Concrete Mixtures at the Plant	139
23	☒	Quality Control/Quality Assurance of Concrete Mixtures	147
24	☐	Reserved	163
25	☐	Reserved	164
26	☐	Temporary Raised Pavement Markers	165
27	☐	Restoring Bridge Approach Pavements Using High-Density Foam	166
28	☐	Portland Cement Concrete Inlay or Overlay	169
29	☐	Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	173
30	☐	Longitudinal Joint and Crack Patching	176
31	☐	Concrete Mix Design - Department Provided	178
32	☐	Station Numbers in Pavements or Overlays	179

Local Public Agency	County	Section Number

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

Check Sheet #			Page No.
LRS 1		**Reserved**	181
LRS 2	☐	Furnished Excavation	182
LRS 3	☒	Work Zone Traffic Control Surveillance	183
LRS 4	☒	Flaggers in Work Zones	184
LRS 5	☒	Contract Claims	185
LRS 6	☒	Bidding Requirements and Conditions for Contract Proposals	186
LRS 7	☐	Bidding Requirements and Conditions for Material Proposals	192
LRS 8		**Reserved**	198
LRS 9	☐	Bituminous Surface Treatments	199
LRS 10		**Reserved**	203
LRS 11	☒	Employment Practices	204
LRS 12	☒	Wages of Employees on Public Works	206
LRS 13	☒	Selection of Labor	208
LRS 14	☐	Paving Brick and Concrete Paver Pavements and Sidewalks	209
LRS 15	☒	Partial Payments	212
LRS 16	☒	Protests on Local Lettings	213
LRS 17	☒	Substance Abuse Prevention Program	214
LRS 18	☐	Multigrade Cold Mix Asphalt	215
LRS 19	☐	Reflective Crack Control Treatment	216

State of Illinois
DEPARTMENT OF TRANSPORTATION
Bureau of Local Roads & Streets

SPECIAL PROVISION FOR FILLING HMA CORE HOLES WITH NON-SHRINK GROUT

Effective: January 1, 2008

All references to Sections and Articles in this Special Provision shall be construed to mean specific Sections and Articles in the Standard Specifications for Road and Bridge Construction adopted by the Department of Transportation.

Add the following after the first paragraph of Article 406.07(c) of the Standard Specifications:

> "Upon completion of coring for density testing, all free water shall be removed from the core holes prior to filling. All core holes shall be filled with a non-shrink grout from the Department's approved list, which shall be mixed in a separate container prior to placement in the hole. Only enough water to permit placement and consolidation by rodding shall be used, and the material shall be struck-off flush with the adjacent pavement."

TRAFFIC CONTROL PLAN (D1)

Effective: September 30, 1985
Revised: January 1, 2007

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.

The Contractor shall contact the District One Bureau of Traffic at least 72 hours in advance of beginning work.

STANDARDS:
701006-05, 701101-05, 701301-04, 701311-03, 701606-10, 701611-01, 701801-06, 701901-10

DETAILS:
TC-10, TC-13

SPECIAL PROVISIONS:
TRAFFIC CONTROL AND PROTECTION, LRS 3 – WORK ZONE TRAFFIC CONTROL SURVEILLANCE, LRS 4 – FLAGGERS IN WORK ZONE, MAINTENANCE OF ROADWAYS (D1)

MAINTENANCE OF ROADWAYS (D1)

Effective: September 30, 1985 Revised: November 1, 1996

Beginning on the date that work begins on this project, the Contractor shall assume responsibility for normal maintenance of all existing roadways 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 Engineer.

If items of work have not been provided 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.

ADJUSTMENTS AND RECONSTRUCTIONS (D1)
Effective: March 15, 2011
Revised: October 1, 2021

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-2 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-2 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-2 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-2 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."

DRAINAGE AND INLET PROTECTION UNDER TRAFFIC (D1)

Effective: April 1, 2011
Revised: April 2, 2011

Add the following to Article 603.02 of the Standard Specifications:

"(i) Temporary Hot-Mix Asphalt (HMA) Ramp (Note 1) ……. 1030
(j) Temporary Rubber Ramps (Note 2)

Note 1. The HMA shall have maximum aggregate size of 3/8 in. (95 mm).

Note 2. The rubber material shall be according to the following.

Property	Test Method	Requirement
Durometer Hardness, Shore A	ASTM D 2240	75 ±15
Tensile Strength, psi (kPa)	ASTM D 412	300 (2000) min
Elongation, percent	ASTM D 412	90 min
Specific Gravity	ASTM D 792	1.0 - 1.3
Brittleness, °F (°C)	ASTM D 746	-40 (-40)"

Revise Article 603.07 of the Standard Specifications 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.

When castings are under traffic before the final surfacing operation has been started, properly sized temporary ramps shall be placed around the drainage and/or utility castings according to the following methods.

(a) Temporary Asphalt Ramps. Temporary hot-mix asphalt ramps shall be placed around the casting, flush with its surface and decreasing to a featheredge in a distance of 2 ft (600 mm) around the entire surface of the casting.

(b) Temporary Rubber Ramps. Temporary rubber ramps shall only be used on roadways with permanent posted speeds of 40 mph or less and when the height of the casting to be protected meets the proper sizing requirements for the rubber ramps as shown below.

Dimension	Requirement
Inside Opening	Outside dimensions of casting + 1 in. (25 mm)

Thickness at inside edge	Height of casting ± 1/4 in. (6 mm)
Thickness at outside edge	1/4 in. (6 mm) max.
Width, measured from inside opening to outside edge	8 1/2 in. (215 mm) min

Placement shall be according to the manufacturer's specifications.

Temporary ramps for castings shall remain in place until surfacing operations are undertaken within the immediate area of the structure. Prior to placing the surface course, the temporary ramp shall be removed. Excess material shall be disposed of according to Article 202.03."

STATUS OF UTILITIES (D-1)

Effective: June 1, 2016
Revised: April 1, 2025

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.

There are no utility conflicts to be resolved.

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.

Pre-Stage

STAGE / LOCATION	TYPE	DESCRIPTION	RESPONSIBLE AGENCY	DURATION OF TIME

Stage 1

STAGE / LOCATION	TYPE	DESCRIPTION	RESPONSIBLE AGENCY	DURATION OF TIME

Stage 2

STAGE / LOCATION	TYPE	DESCRIPTION	RESPONSIBLE AGENCY	DURATION OF TIME

No conflicts to be resolved *(or if there are conflicts, they are to be listed as noted above)*

Pre-Stage: _____ Days Total Installation
Stage 1: _____ Days Total Installation
Stage 2: _____ Days Total Installation

The following contact information is what was used during the preparation of the plans as provided by the Agency/Company responsible for resolution of the conflict.

Agency/Company Responsible to Resolve Conflict	Name of Contact	Phone	E-mail address
AT&T			G11629@ATT.COM
Comcast	Martha Gieras	224-229-5862	MARTHA_GIERAS@CABLE.COMCAST.COM
ComEd	Design Stage Locate Line	630-576-7094	PLANSUBMITTALSANDMAPREQUESTS@EXELONCORP.COM
MCI/VERIZON	Investigations Team		INVESTIGATIONS@VERIZON.COM
Nicor Gas	Karey Johnson	224-471-9356	karejohn@southernco.com
Sprint/Cogent	Paul Becker	815-557-8416	pbecker@cogentco.com
City of Wheaton	Keith Darby	630-260-2140	kdarby@wheaton.il.us

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.

Pre-Stage

STAGE / LOCATION	TYPE	DESCRIPTION	OWNER

Stage 1

STAGE / LOCATION	TYPE	DESCRIPTION	OWNER

Stage 2

STAGE / LOCATION	TYPE	DESCRIPTION	OWNER

No facilities requiring extra consideration *(or listed as noted above)*

The following contact information is what was used during the preparation of the plans as provided by the owner of the facility.

Agency/Company Responsible to Resolve Conflict	Name of Contact	Phone	E-mail address
AT&T			G11629@ATT.COM
Comcast	Martha Gieras	224-229-5862	MARTHA_GIERAS@CABLE.COMCAST.COM
ComEd	Design Stage	630-576-7094	PLANSUBMITTALSANDMAPREQUESTS@EXELONCORP.COM

	Locate Line		
MCI/VERIZON	**Investigations Team**		**INVESTIGATIONS@VERIZON.COM**
Nicor Gas	**Karey Johnson**	**224-471-9356**	**karejohn@southernco.com**
Sprint/Cogent	**Paul Becker**	**815-557-8416**	**pbecker@cogentco.com**
City of Wheaton	**Keith Darby**	**630-260-2140**	**kdarby@wheaton.il.us**

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 contractor is responsible for contacting JULIE (or DIGGER within the City of Chicago) prior to any excavation work. Please note that IDOT electrical facilities are not part of the one-call locating services, such as JULIE or DIGGER.

If the contract requires the services of an electrical contractor, it is the contractor's responsibility, at their own expense, to locate existing IDOT electrical facilities before commencing work. For contracts that do not require an electrical contractor, the contractor may request one free locate of IDOT electrical facilities by contacting the Department's Electrical Maintenance Contractor. Additional locate requests will be at the contractor's expense.

The Department's Electrical Maintenance Contractor must be notified at least 72 hours in advance of the work by calling 773-287-7600 or emailing dispatch@meade100.com to arrange for the locating of underground electrical facilities.

Please note, the marking of underground facilities does not absolve the contractor of their responsibility to repair or replace any facilities damaged during construction at their expense.

AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS (D1)
Effective: April 1, 2001
Revised: January 2, 2007

Revise Article 402.10 of the Standard Specifications to read:

"**402.10 For Temporary Access.** The contractor shall construct and maintain aggregate surface course for temporary access to private entrances, commercial entrances and roads according to Article 402.07 and as directed by the Engineer.

The aggregate surface course shall be constructed to the dimensions and grades specified below, except as modified by the plans or as directed by the Engineer.

(a) Private Entrance. The minimum width shall be 12 ft (3.6 m). The minimum compacted thickness shall be 6 in. (150 mm). The maximum grade shall be eight percent, except as required to match the existing grade.

(b) Commercial Entrance. The minimum width shall be 24 ft (7.2 m). The minimum compacted thickness shall be 9 in. (230 mm). The maximum grade shall be six percent, except as required to match the existing grade.

(c) Road. The minimum width shall be 24 ft (7.2 m). The minimum compacted thickness shall be 9 in. (230 mm). The grade and elevation shall be the same as the removed pavement, except as required to meet the grade of any new pavement constructed.

Maintaining the temporary access shall include relocating and/or regrading the aggregate surface coarse for any operation that may disturb or remove the temporary access. The same type and gradation of material used to construct the temporary access shall be used to maintain it.

When use of the temporary access is discontinued, the aggregate shall be removed and utilized in the permanent construction or disposed of according to Article 202.03."

Add the following to Article 402.12 of the Standard Specifications:

"Aggregate surface course for temporary access will be measured for payment as each for every private entrance, commercial entrance or road constructed for the purpose of temporary access. If a residential drive, commercial entrance, or road is to be constructed under multiple stages, the aggregate needed to construct the second or subsequent stages will not be measured for payment but shall be included in the cost per each of the type specified."

Revise the second paragraph of Article 402.13 of the Standard Specifications to read:

"Aggregate surface course for temporary access will be paid for at the contract unit price per each for TEMPORARY ACCESS (PRIVATE ENTRANCE), TEMPORARY ACCESS (COMMERCIAL ENTRANCE) or TEMPORARY ACCESS (ROAD).

Partial payment of the each amount bid for temporary access, of the type specified, will be paid according to the following schedule:

(a) Upon construction of the temporary access, sixty percent of the contract unit price per each, of the type constructed, will be paid.

(b) Subject to the approval of the Engineer for the adequate maintenance and removal of the temporary access, the remaining forty percent of the pay item will be paid upon the permanent removal of the temporary access."

RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES (D-1)

Effective: November 1, 2012
Revise: April 2, 2016

Revise Section 1031 of the Standard Specifications to read:

"**SECTION 1031. RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES**

1031.01 Description. Reclaimed asphalt pavement and reclaimed asphalt shingles shall be according to the following.

Special Note: The use of Reclaimed Asphaplt Shingles (RAS) is NOT allowed on this project.

(a) Reclaimed Asphalt Pavement (RAP). RAP is the material resulting from cold milling or crushing an existing hot-mix asphalt (HMA) pavement. RAP will be considered processed FRAP after completion of both crushing and screening to size. The Contractor shall supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.

(b) Reclaimed Asphalt Shingles (RAS). Reclaimed asphalt shingles (RAS). RAS is from the processing and grinding of preconsumer or post-consumer shingles. RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable material, as defined in Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Shingle (RAS) Sources", by weight of RAS. All RAS used shall come from a Bureau of Materials and Physical Research approved processing facility where it shall be ground and processed to 100 percent passing the 3/8 in. (9.5 mm) sieve and 90 percent passing the #4 (4.75 mm) sieve. RAS shall meet the testing requirements specified herein. In addition, RAS shall meet the following Type 1 or Type 2 requirements.

(1) Type 1. Type 1 RAS shall be processed, preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.

(2) Type 2. Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

1031.02 Stockpiles. RAP and RAS stockpiles shall be according to the following.

(a) RAP Stockpiles. The Contractor shall construct individual, sealed RAP stockpiles meeting one of the following definitions. Additional processed RAP (FRAP) shall be stockpiled in a separate working pile, as designated in the QC Plan, and only added to the sealed stockpile when test results for the working pile are complete and are found to meet tolerances specified herein for the original sealed FRAP stockpile. Stockpiles shall be sufficiently separated to prevent intermingling at the base. All stockpiles (including unprocessed RAP and FRAP) shall be identified by signs indicating the type as listed below (i.e. "Non- Quality, FRAP -#4 or Type 2 RAS", etc…).

(1) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, Superpave HMA (High and Low ESAL) or equivalent mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality, but shall be at least C quality. All FRAP shall be processed prior to testing and sized into fractions with the separation occurring on or between the #4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such

that 100 percent of the RAP in the coarse fraction shall pass the maximum sieve size specified for the mix the FRAP will be used in.

(2) Restricted FRAP (B quality) stockpiles shall consist of RAP from Class I, Superpave (High ESAL), or HMA (High ESAL). If approved by the Engineer, the aggregate from a maximum 3.0 in. (75 mm) single combined pass of surface/binder milling will be classified as B quality. All millings from this application will be processed into FRAP as described previously.

(3) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, Superpave HMA (High and Low ESAL) or equivalent mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality, but shall be at least C quality. This RAP may have an inconsistent gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed (FRAP) prior to testing. Conglomerate RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.

(4) Conglomerate "D" Quality (DQ). Conglomerate DQ RAP stockpiles shall consist of RAP from HMA shoulders, bituminous stabilized subbases or Superpave (Low ESAL)/HMA (Low ESAL) IL-19.0L binder mixture. The coarse aggregate in this RAP may be crushed or round but shall be at least D quality. This RAP may have an inconsistent gradation and/or asphalt binder content. Conglomerate DQ RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.

(5) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP or FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, plant cleanout etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

(b) RAS Stockpiles. Type 1 and Type 2 RAS shall be stockpiled separately and shall be sufficiently separated to prevent intermingling at the base. Each stockpile shall be signed indicating what type of RAS is present.

However, a RAS source may submit a written request to the Department for approval to blend mechanically a specified ratio of Type 1 RAS with Type 2 RAS. The source will not be permitted to change the ratio of the blend without the Department prior written approval. The Engineer's written approval will be required, to mechanically blend RAS with any fine aggregate produced under the AGCS, up to an equal weight of RAS, to improve workability. The fine aggregate shall be "B Quality" or better from an approved Aggregate Gradation Control System source. The fine aggregate shall be one that is approved for use in the HMA mixture and accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type, and lot number shall be maintained by project contract number and kept for a minimum of three years.

1031.03 Testing. FRAP and RAS testing shall be according to the following.

(a) FRAP Testing. When used in HMA, the FRAP shall be sampled and tested either during processing or after stockpiling. It shall also be sampled during HMA production.

(1) During Stockpiling. For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

(2) Incoming Material. For testing as incoming material, washed extraction samples shall be run at a minimum frequency of one sample per 2000 tons (1800 metric tons) or once per week, whichever comes first.

(3) After Stockpiling. For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Before extraction, each field sample of FRAP, shall be split to obtain two samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

(b) RAS Testing. RAS shall be sampled and tested during stockpiling according to Bureau of Materials and Physical Research Policy Memorandum, “Reclaimed Asphalt Shingle (RAS) Sources”. The Contractor shall also sample as incoming material at the HMA plant.

(1) During Stockpiling. Washed extraction and testing for unacceptable materials shall be run at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1000 tons (900 metric tons) and one sample per 1000 tons (900 metric tons) thereafter. A minimum of five samples are required for stockpiles less than 1000 tons (900 metric tons). Once a ≤ 1000 ton (900 metric ton), five-sample/test stockpile has been established it shall be sealed. Additional incoming RAS shall be in a separate working pile as designated in the Quality Control plan and only added to the sealed stockpile when the test results of the working pile are complete and are found to meet the tolerances specified herein for the original sealed RAS stockpile.

(2) Incoming Material. For testing as incoming material at the HMA plant, washed extraction shall be run at the minimum frequency of one sample per 250 tons (227 metric tons). A minimum of five samples are required for stockpiles less than 1000 tons (900 metric tons). The incoming material test results shall meet the tolerances specified herein.

The Contractor shall obtain and make available all test results from start of the initial stockpile sampled and tested at the shingle processing facility in accordance with the facility’s QC Plan.

Before extraction, each field sample shall be split to obtain two samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to

Department procedures. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

1031.04 Evaluation of Tests. Evaluation of test results shall be according to the following.

(a) Evaluation of FRAP Test Results. All test results shall be compiled to include asphalt binder content, gradation and, when applicable (for slag), G_{mm}. A five test average of results from the original pile will be used in the mix designs. Individual extraction test results run thereafter, shall be compared to the average used for the mix design, and will be accepted if within the tolerances listed below.

Parameter	FRAP
No. 4 (4.75 mm)	± 6 %
No. 8 (2.36 mm)	± 5 %
No. 30 (600 μm)	± 5 %
No. 200 (75 μm)	± 2.0 %
Asphalt Binder	± 0.3 %
G_{mm}	± 0.03 1/

1/ For stockpile with slag or steel slag present as determined in the current Manual of Test Procedures Appendix B 21, "Determination of Reclaimed Asphalt Pavement Aggregate Bulk Specific Gravity".

If any individual sieve and/or asphalt binder content tests are out of the above tolerances when compared to the average used for the mix design, the FRAP stockpile shall not be used in Hot-Mix Asphalt unless the FRAP representing those tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

The Contractor shall maintain a representative moving average of five tests to be used for Hot-Mix Asphalt production.

With the approval of the Engineer, the ignition oven may be substituted for extractions according to the ITP, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)" or Illinois Modified AASHTO T-164-11, Test Method A.

(b) Evaluation of RAS Test Results. All of the test results, with the exception of percent unacceptable materials, shall be compiled and averaged for asphalt binder content and gradation. A five test average of results from the original pile will be used in the mix designs. Individual test results run thereafter, when compared to the average used for the mix design, will be accepted if within the tolerances listed below.

Parameter	RAS
No. 8 (2.36 mm)	± 5 %
No. 16 (1.18 mm)	± 5 %
No. 30 (600 μm)	± 4 %
No. 200 (75 μm)	± 2.5 %
Asphalt Binder Content	± 2.0 %

If any individual sieve and/or asphalt binder content tests are out of the above tolerances when compared to the average used for the mix design, the RAS shall not be used in

Hot-Mix Asphalt unless the RAS representing those tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

(c) Quality Assurance by the Engineer. The Engineer may witness the sampling and splitting conduct assurance tests on split samples taken by the Contractor for quality control testing a minimum of once a month.

The overall testing frequency will be performed over the entire range of Contractor samples for asphalt binder content and gradation. The Engineer may select any or all split samples for assurance testing. The test results will be made available to the Contractor as soon as they become available.

The Engineer will notify the Contractor of observed deficiencies.

Differences between the Contractor's and the Engineer's split sample test results will be considered acceptable if within the following limits.

Test Parameter	Acceptable Limits of Precision	
% Passing:[1/]	FRAP	RAS
1/2 in.	5.0%	
No. 4	5.0%	
No. 8	3.0%	4.0%
No. 30	2.0%	3.0%
No. 200	2.2%	2.5%
Asphalt Binder Content	0.3%	1.0%
G_{mm}	0.030	

1/ Based on washed extraction.

In the event comparisons are outside the above acceptable limits of precision, the Engineer will immediately investigate.

(d) Acceptance by the Engineer. Acceptable of the material will be based on the validation of the Contractor's quality control by the assurance process.

1031.05 Quality Designation of Aggregate in RAP and FRAP.

(a) RAP. The aggregate quality of the RAP for homogeneous, conglomerate, and conglomerate "D" quality stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.

(1) RAP from Class I, Superpave/HMA (High ESAL), or (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.

(2) RAP from Superpave/HMA (Low ESAL) IL-19.0L binder mixture is designated as Class D quality coarse aggregate.

(3) RAP from Class I, Superpave/HMA (High ESAL) binder mixtures, bituminous base course mixtures, and bituminous base course widening mixtures are designated as containing Class C quality coarse aggregate.

(4) RAP from bituminous stabilized subbase and BAM shoulders are designated as containing Class D quality coarse aggregate.

(b) FRAP. If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer.

If the quality is not known, the quality shall be determined as follows. Fractionated RAP stockpiles containing plus #4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5,000 tons (4,500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant laboratory prequalified by the Department for the specified testing. The consultant laboratory shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the Bureau of Materials and Physical Research Aggregate Lab for MicroDeval Testing, according to ITP 327. A maximum loss of 15.0 percent will be applied for all HMA applications. The fine aggregate portion of the fractionated RAP shall not be used in any HMA mixtures that require a minimum of "B" quality aggregate or better, until the coarse aggregate fraction has been determined to be acceptable thru a MicroDeval Testing.

1031.09 RAP in Aggregate Surface Course and Aggregate Wedge Shoulders, Type B. The use of RAP or FRAP in aggregate surface course and aggregate shoulders shall be as follows.

(a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except "Non-Quality" and "FRAP". The testing requirements of Article 1031.03 shall not apply. RAP used shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications".

(b) Gradation. The RAP material shall meet the gradation requirements for CA 6 according to Article 1004.01(c), except the requirements for the minus No. 200 (75 µm) sieve shall not apply. The sample for the RAP material shall be air dried to constant weight prior to being tested for gradation."

COARSE AGGREGATE FOR BACKFILL, TRENCH BACKFILL AND BEDDING (D-1)

Effective: November 1, 2011

Revised: November 1, 2013

This work shall be according to Section 1004.05 of the Standard Specifications except for the following:

Reclaimed Asphalt Pavement (RAP) maybe blended with gravel, crushed gravel, crushed stone crushed concrete, crushed slag, chats, crushed sand stone or wet bottom boiler slag. The RAP used shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications". The RAP shall be uniformly graded and shall pass the 1.0 in. (25 mm) screen. When RAP is blended with any of the coarse aggregate listed above, the blending shall be done mechanically with calibrated feeders. The feeders shall have an accuracy of $\pm$ 2.0 percent of the actual quantity of material delivered. The final blended product shall not contain more than 40 percent by weight RAP.

The coarse aggregate listed above shall meet CA 6 and CA 10 gradations prior to being blended with the processed and uniformly graded RAP. Gradation deleterious count shall not exceed 10% of total RAP and 5% of other by total weight.

IDOT DISTRICT ONE SPECIAL PROVISIONS

As provided in plans.

BDE SPECIAL PROVISIONS
For the January 16 and February 27, 2026 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
80475	6	☐	Bridge Deck Concrete Overlays	Jan. 1, 2026	
* 80241	7	☐	Bridge Demolition Debris	July 1, 2009	
* 5053I	8	☐	Building Removal	Sept. 1, 1990	Aug. 1, 2022
* 5026I	9	☐	Building Removal with Asbestos Abatement	Sept. 1, 1990	Aug. 1, 2022
80460	10	☐	Cement, Finely Divided Minerals, Admixtures, Concrete, and Mortar	Jan. 1, 2025	Jan. 1, 2026
80384	11	☐	Compensable Delay Costs	June 2, 2017	April 1, 2019
* 80198	12	☐	Completion Date (via calendar days)	April 1, 2008	
* 80199	13	☐	Completion Date (via calendar days) Plus Working Days	April 1, 2008	
80461	14	☐	Concrete Barrier	Jan. 1, 2025	
80453	15	☐	Concrete Sealer	Nov. 1, 2023	
80261	16	☑	Construction Air Quality – Diesel Retrofit	June 1, 2010	Jan. 1, 2025
80476	17	☐	Deck Slab Repair	Jan. 1, 2026	
* 80029	18	☐	Disadvantaged Business Enterprise Participation	Sept. 1, 2000	Jan. 2, 2025
80467	19	☐	Erosion Control Blanket	Aug. 1, 2025	
80229	20	☐	Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
80452	21	☐	Full Lane Sealant Waterproofing System	Nov. 1, 2023	
80433	22	☐	Green Preformed Thermoplastic Pavement Markings	Jan. 1, 2021	Jan. 1, 2022
80471	23	☐	Guardrail	Nov. 1, 2025	
80472	24	☐	High Friction Surface Treatment	Nov. 1, 2025	
80456	25	☑	Hot-Mix Asphalt	Jan. 1, 2024	Jan. 1, 2026
80446	26	☐	Hot-Mix Asphalt - Longitudinal Joint Sealant	Nov. 1, 2022	Aug. 1, 2023
80438	27	☐	Illinois Works Apprenticeship Initiative – State Funded Contracts	June 2, 2021	April 2, 2024
80477	28	☐	Longitudinal Tining	Jan. 1, 2026	
80450	29	☐	Mechanically Stabilized Earth Retaining Walls	Aug. 1, 2023	Aug. 1, 2025
80478	30	☐	Modified Longitudinal Construction Joint	Jan. 1, 2026	
80464	31	☐	Pavement Marking	April. 1, 2025	Nov. 1, 2025
80468	32	☐	Pavement Patching	Aug. 1, 2025	
80441	33	☐	Performance Graded Asphalt Binder	Jan. 1, 2023	
80459	34	☐	Preformed Plastic Pavement Marking	June 2, 2024	
* 3426I	35	☐	Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2022
80473	36	☐	Raised Reflective Pavement Markers	Nov. 1, 2025	
80455	37	☐	Removal and Disposal of Regulated Substances	Jan. 1, 2024	April 1, 2024
80474	38	☐	Residential Driveway Temporary Signal	Nov. 1, 2025	
80445	39	☐	Seeding	Nov. 1, 2022	
80457	40	☐	Short Term and Temporary Pavement Markings	April 1, 2024	April 2, 2024
80462	41	☑	Sign Panels and Appurtenances	Jan. 1, 2025	Jan. 1, 2026
80479	42	☐	Sinusoidal Rumble Strips	Jan. 1, 2026	
80469	43	☐	Slope Wall	Aug. 1, 2025	
80448	44	☐	Source of Supply and Quality Requirements	Jan. 2, 2023	Jan. 1, 2026
80340	45	☐	Speed Display Trailer	April 2, 2014	Jan. 1, 2022
80127	46	☐	Steel Cost Adjustment	April 2, 2004	Nov. 1, 2025
80480	47	☐	Structural Repair of Concrete	Jan. 1, 2026	
80397	48	☐	Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	49	☐	Subcontractor Mobilization Payments	Nov. 2, 2017	April 1, 2019
80463	50	☐	Submission of Bidders List Information	Jan. 2, 2025	Mar. 2, 2025
80437	51	☑	Submission of Payroll Records	April 1, 2021	Nov. 2, 2023

	80435	52	☐	Surface Testing of Pavements – IRI	Jan. 1, 2021	Jan. 1, 2023
	80465	53	☐	Surveying Services	April 1, 2025	
	80481	54	☐	Temporary Concrete Barrier	Jan. 1, 2026	
	80466	55	☐	Temporary Rumble Strips	April 1, 2025	
	80470	56	☐	Traffic Signal Backplate	Aug. 1, 2025	
*	20338	57	☐	Training Special Provisions	Oct. 15, 1975	Sept. 2, 2021
	80429	58	☐	Ultra-Thin Bonded Wearing Course	April 1, 2020	Jan. 1, 2022
	80439	59	☐	Vehicle and Equipment Warning Lights	Nov. 1, 2021	Nov. 1, 2022
	80458	60	☐	Waterproofing Membrane System	Aug. 1, 2024	
	80302	61	☐	Weekly DBE Trucking Reports	June 2, 2012	Jan. 2, 2025
	80454	62	☐	Wood Sign Support	Nov. 1, 2023	
	80427	63	☑	Work Zone Traffic Control Devices	Mar. 2, 2020	Jan. 1, 2026
*	80071	64	☐	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 are in the 2026 Supplemental Specifications and Recurring Special Provisions.

File Name	Special Provision Title	New Location(s)	Effective	Revised
80447	Grading and Shaping Ditches	Articles 214.03 & 214.04	Jan. 1, 2023	

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.

HOT-MIX ASPHALT (BDE)

Effective: January 1, 2024
Revised: January 1, 2026

Add the following to the end of Article 406.06(c) of the Standard Specifications:

"The amount of HMA binder course placed shall be limited to that which can be surfaced during the same construction season."

Revise the fifteenth through eighteenth paragraphs of Article 406.14 of the Standard Specifications to read:

"The mixture used in constructing acceptable HMA test strips will be paid for at the contract unit price. Unacceptable HMA test strips shall be removed and replaced at no additional cost to the Department."

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."

Add Article 1030.06(d)(3) to the Standard Specifications as follows:

"(3) The Contractor shall take possession of any Department HMA mixture samples or density specimens upon notification by the Engineer. The Contractor shall collect the HMA mixture samples or density specimens from the location designated by the Engineer and may add these materials to RAP stockpiles according to Section 1031."

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 the Quality Control Limits table in Article 1030.09(c) to read:

"CONTROL LIMITS

Parameter	IL-19.0, IL-9.5, IL-9.5FG, IL-19.0L, IL-9.5L		SMA-12.5, SMA-9.5		IL-4.75	
	Individual Test	Moving Avg. of 4	Individual Test	Moving Avg. of 4	Individual Test	Moving Avg. of 4
% Passing: 1/						
1/2 in. (12.5 mm)	± 6 %	± 4 %	± 6 %	± 4 %		
3/8 in. (9.5mm)			± 4 %	± 3 %		
# 4 (4.75 mm)	± 5 %	± 4 %	± 5 %	± 4 %		
# 8 (2.36 mm)	± 5 %	± 3 %	± 4 %	± 2 %		
# 16 (1.18 mm)			± 4 %	± 2 %	± 4 %	± 3 %
# 30 (600 µm)	± 4 %	± 2.5 %	± 4 %	± 2.5 %		
Total Dust Content # 200 (75 µm)	± 1.5 %	± 1.0 %			± 1.5 %	± 1.0 %
Asphalt Binder Content	± 0.3 %	± 0.2 %	± 0.2 %	± 0.1 %	± 0.3 %	± 0.2 %
Air Voids 2/	± 1.2 %	± 1.0 %	± 1.2 %	± 1.0 %	± 1.2 %	± 1.0 %
Field VMA 3/	-0.7 %	-0.5 %	-0.7 %	-0.5 %	-0.7 %	-0.5 %

1/ Based on washed ignition oven or solvent extraction gradation.

2/ The air voids target value shall be 3.2 to 4.8 percent.

3/ Allowable limit below minimum design VMA requirement."

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."

Replace the last sentence of the fourth paragraph of Article 1030.10 of the Standard Specifications with the following:

"The mixture test results shall meet the requirements of Article 1030.05(d), except tensile strength and TSR testing will only be conducted on the first use of a mix design for the year and Hamburg wheel tests will only be conducted on High ESAL mixtures. To be considered acceptable to remain in place, the Department's mixture test results shall meet the acceptable limits stated in Article 1030.09(i)(1). In addition, no visible pavement distress such as, but not limited to, segregation, excessive coarse aggregate fracturing outside of growth curves, excessive dust balls, or flushing shall be present as determined by the Engineer."

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."

Replace the eleventh paragraph of Article 1030.10 of the Standard Specifications with the following:

"If an initial Hamburg wheel or I-FIT test fails to meet the requirements of Article 1030.05(d), the Department will verify the results by testing the retained gyratory cylinders. Upon notification by the Engineer of a Hamburg wheel or I-FIT test failure on the retained gyratory cylinders, the Contractor shall substitute an approved mix design, submit a new mix design for mix verification testing according to Article 1030.05(d), or pave 250 tons with or without an adjustment and resample for Department Hamburg wheel and I-FIT testing as directed by the Engineer. Paving may continue as long as all other mixture criteria is being met. If Hamburg wheel or I-FIT tests on the resampled HMA fail, production of the affected mixture shall cease and the Contractor shall substitute an approved mix design or submit a new mix design for mix verification testing according to Article 1030.05(d)."

80456

SIGN PANELS AND APPURTENANCES (BDE)

Effective: January 1, 2025
Revised: January 1, 2026

Add Article 720.02(c) of the Standard Specifications to read:

"(c) Aluminum Epoxy Mastic .....1008.03"

Revise the second and third paragraphs of Article 720.02 of the Standard Specifications to read:

"The sign mounting support channel shall be manufactured from steel or aluminum and shall be according to Standard 720001.

Steel support channels shall be according to ASTM A 1011 (A 1011M), ASTM A 635 (A 635M), ASTM A 568 (A 568M), or ASTM A 684 (A 684M), and shall be galvanized. Galvanizing shall be according to ASTM A 653 (A 653M) when galvanized before fabrication, and AASHTO M 111 (M 111M) when galvanized after fabrication. Field or post fabricated drilled holes shall be spot painted with one coat of aluminum epoxy mastic paint prior to installation."

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."

Revise the first sentence of the tenth paragraph of Article 720.03 of the Standard Specifications to read:

"The backs of all sign panels shall be marked in a manner designed to last as long as the sign face material, in letters and numerals at least 3/8 in. (9.5 mm) but no more than 3/4 in. (19 mm) in height with the month and year of manufacture, the name of the sign manufacturer, the name of the sign sheeting manufacturer, the method of manufacture ("screened", "EC film", "direct applied", or "digital print"), and the initials IDOT."

Revise the first sentence of the fourth paragraph of Article 1091.03(a)(10) of the Standard Specifications to read:

"Transparent colors screened, or transparent acrylic electronic cutting films, or digital printing on white sheeting, shall meet the minimum initial coefficient of retroreflection values of the 0.2 degree observation angle, -4.0 degree entrance angle values as listed in the previous tables for the color being applied."

Add the following after the fourth paragraph of Article 1091.03(a)(10) of the Standard Specifications:

"Digitally printed signs shall be produced using digital print technologies and ink systems, products and processes that comply with the sheeting manufacturer's recommendation. The digitally printed signs shall be fabricated with a full sign protective overlay film designed to provide a smooth surface needed for retroreflectivity, and to protect the sign from fading and UV degradation. The overlaminate shall comply with the sheeting manufacturer's recommendations to ensure proper adhesion and transparency."

Add the following after the third paragraph of Article 1106.01 of the Standard Specifications:

"Digitally printed signs may omit protective overlay film."

80462

SUBMISSION OF PAYROLL RECORDS (BDE)

Effective: April 1, 2021
Revised: November 2, 2023

FEDERAL AID CONTRACTS. Revise the following section of Check Sheet #1 of the Recurring Special Provisions to read:

"STATEMENTS AND PAYROLLS

The payroll records shall include the worker's name, social security number, last known address, telephone number, email address, classification(s) of work actually performed, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof), daily and weekly number of hours actually worked in total, deductions made, and actual wages paid.

The Contractor and each subcontractor shall submit certified payroll records to the Department each week from the start to the completion of their respective work, except that full social security numbers, last known addresses, telephone numbers, and email addresses shall not be included on weekly submittals. Instead, the payrolls need only include an identification number for each employee (e.g., the last four digits of the employee's social security number). The submittals shall be made using LCPtracker Pro software. The software is web-based and can be accessed at https://lcptracker.com/. When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate option ("No Work", "Suspended", or "Complete") selected."

STATE CONTRACTS. Revise Item 3 of Section IV of Check Sheet #5 of the Recurring Special Provisions to read:

"3. Submission of Payroll Records. The Contractor and each subcontractor shall, no later than the 15th day of each calendar month, file a certified payroll for the immediately preceding month to the Illinois Department of Labor (IDOL) through the Illinois Prevailing Wage Portal in compliance with the State Prevailing Wage Act (820 ILCS 130). The portal can be found on the IDOL website at https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/Prevailing-Wage-Portal.aspx. Payrolls shall be submitted in the format prescribed by the IDOL.

In addition to filing certified payroll(s) with the IDOL, the Contractor and each subcontractor shall certify and submit payroll records to the Department each week from the start to the completion of their respective work, except that full social security numbers shall not be included on weekly submittals. Instead, the payrolls shall include an identification number for each employee (e.g., the last four digits of the employee's social security number). In addition, starting and ending times of work each day may be omitted from the payroll records submitted. The submittals shall be made using LCPtracker Pro software. The software is web-based and can be accessed at https://lcptracker.com/.

When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate option (“No Work”, “Suspended”, or “Complete”) selected.”

80437

WORK ZONE TRAFFIC CONTROL DEVICES (BDE)

Effective: March 2, 2020
Revised: January 1, 2026

Add the following to Article 701.03 of the Standard Specifications:

"(q) Temporary Sign Supports ..... 1106.02"

Revise Article 701.03(p) of the Standard Specifications to read:

"(p) Detectable Pedestrian Channelizing Barricades ..... 1106.02(m)"

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 the first paragraph of Section 1106.02(a) of the Standard Specifications to read:

"(a) Lights. Lights shall meet the requirements of Chapter 13 of the "Equipment and Materials Standards of the Institute of Transportation Engineers," 1998, Institute of Transportation Engineers, and shall be visible on a clear night from a distance of 3000 ft (900 m). Lights are classified as follows."

Revise Articles 1106.02(g), 1106.02(k), 1106.02(l), and 1106.02(m) of the Standard Specifications 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.

(m) Detectable Pedestrian Channelizing Barricades. The top panel or handrail shall be continuous and there should be at least a 2 in. (50 mm) gap between the hand trailing edge and its support. When visible to vehicular traffic, the top rail shall have alternating white and orange retroreflective stripes sloping at 45 degrees. The bottom panel shall be continuous and have alternating white and orange retroreflective stripes sloping at 45 degrees. Barricade stripes shall be 6 in. (150 mm) in width. The predominant color for other barricade components shall be white, orange, or silver."

80427

Stormwater Pollution Prevention Plan (SWPPP)

for:

Willow Avenue
Utility Improvements
Wheaton, IL 60187
Refer to attached Location Map

Operator(s):

City of Wheaton
303 W. Wesley Street
Wheaton, IL 60187
Engineering Department Phone: (630) 260-2065
Fax: (630) 260-2195

SWPPP Contact(s):

City of Wheaton Engineering Department
K. Dunn
303 W. Wesley Street
Wheaton, IL 60187
Phone: (630) 260-2868
Email: jtebrugge@wheaton.il.us

SWPPP Preparation Date:

December 23, 2025

Estimated Project Dates:

Project Start Date: 06 / 01 / 2026
Project Completion Date: 08 / 28 / 2026

Section 1: Site Description

A. Project Location

The project is located within Willow Avenue right-of-way, from West Ave to Wheaton Ave in the City of Wheaton as shown on the attached map.

B. Project Construction Activity

Water main and sanitary sewer open cut replacement including, but not limited to, installation of 12" ductile iron pipe water main and appurtenances, water service line and valve replacement, existing water main and appurtenances abandonment, sanitary main bypass pumping, removal and replacement of 8" sanitary sewer main, sanitary service pipe connections to new main, storm sewer pipe and structure repair and/or replacement, intermittent P.C.C. curb and gutter replacement, pavement patching, landscaping restoration, erosion and sediment control, and all incidental and collateral work necessary to complete the project as shown on the Plans and specifications. The total length of the project is approx. 430 feet (0.08 miles).

C. Description of Sequence of Major Activities (per street)

a. Install erosion control / Best Management Practices as needed for the type of construction called for in the project plans.

b. Install all underground utilities as called for in the project plans.

No soil stockpiles are allowed to remain in the Right of Way

c. Temporary erosion control shall be initiated as soon as practicable in portions of the site where construction activities have temporarily ceased. Temporary erosion control shall be completed by no more than 7 days after the construction activity in that portion of the site has temporarily ceased unless construction will reoccur within a period of 14 calendar days after temporarily ceased.

d. Replace disturbed curb and gutter.

e. Replace disturbed sidewalk.

f. Perform pavement patching.

g. Landscaping / Sodding shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.

D. Soils

Based on the NRCS-USDA Soil Survey of DuPage County, the following soils are present within the project area:

805B - Orthents, clayey, undulating: A moderately well drained soil with moderate susceptibility to water erosion and slight susceptibility to wind erosion.

E. Drainage Pattern / Receiving Waters

The project area consists entirely of developed public right of way. The drainage pattern for the project area is urban with enclosed underground storm sewers to Spring Brook. The project will not change any of the existing drainage patterns.

F. Construction Site Estimates

The total combined area of the project street Right of Way is 0.60 acres. The total combined area of exposed earth by the project is 0.44 acres with the largest contiguous area of exposed earth by the project being 0.44 acres. The percent impervious and runoff coefficient for the project area will be the same before and after the project as no impervious area is to be added to this rehabilitation project.

G. Site Features and Sensitive Areas to be Protected

- Parkway trees are to be preserved where practicable.
- No portion of the project area is within FEMA mapped floodplain.

H. Potential Sources of Pollution

- Sediment (excavation, vehicular tracking, landscaping operations)
- Concrete Truck Waste
- Concrete Curing Compounds
- Solid Waste / Debris
- Petroleum (gas, diesel, oil, kerosene, hydraulic oil / fluids)
- Concrete
- Waste water from cleaning construction equipment
- Antifreeze / coolants
- Sanitary stations / port-a-potty's
- Fertilizers

Soil Map—DuPage County, Illinois
(Willow Ave, Wheaton, IL)

Map Scale: 1:674 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 5 10 20 30

Feet
0 30 60 120 180

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 16N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: DuPage County, Illinois
Survey Area Data: Version 21, Aug 31, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 1, 2023—Sep 1, 2023

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
805B	Orthents, clayey, undulating	0.6	100.0%
Totals for Area of Interest		**0.6**	**100.0%**

Section 2: Erosion and Sediment Control BMPs

A. Stabilization Practices

Temporary Stabilization – Areas where earth has been exposed within the project limits where construction will cease for more than 7 days shall be stabilized using Erosion Control Blanket in substantial conformance with the Illinois Urban Manual. Where construction activity will resume in such an area within 14 days from when construction temporarily ceased temporary stabilization will not be required.

Permanent Stabilization – Areas where construction activity has permanently ceased shall be permanently stabilized as soon as possible but within no more than 14 days after construction has ceased. Periodic inspection by City of Wheaton personnel of permanently stabilized areas will occur until 70% vegetation has been achieved. Any stabilization failures will be brought to the attention of the contractor and repaired immediately.

B. Perimeter Erosion Barrier (Silt Fence)

Silt Fence shall be installed before any work in the project area. Silt fencing is required in all locations where there is slope away from the street towards private property and the plans require work that will result in earth exposure. Installation of Silt Fence shall follow Standard Practice as outlined in the Illinois Urban Manual in all locations as outlined in the plans.

C. Storm Sewer Sediment Control Inlet Filter (Silt Basket)

Silt Baskets shall be installed before any work that will result in earth exposure. Silt Baskets are required in all storm sewer inlets in the project area where work will result in exposed earth and in the first downstream inlet(s) from such a project area. City of Wheaton personnel will perform weekly inspections of all installed silt baskets and notify the contractor when maintenance is required. Silt Baskets are required to remain installed until all exposed earth has achieved 70% permanent or temporary vegetative cover or all exposed earth is covered by Erosion Control Blanket.

D. Dewatering Sediment Control Pump Filter Bags

All dewatering operations shall discharge through a pump filter bag.

Section 3: Good Housekeeping BMPs

A. Concrete Washout Facility

Concrete waste or washout is not allowed to reach a storm water drainage system or watercourse. Temporary concrete washout facilities shall be constructed as per the specifications in the Illinois Urban Manual. The temporary concrete washout facility shall be of sufficient volume to completely contain all liquid and concrete waste materials including enough capacity for anticipated levels of rainwater. The temporary concrete washout facility shall be lined with a minimum of 30 mil plastic sheeting. Temporary concrete washout facilities shall not be filled more than 66% of the total capacity. Temporary concrete washout facilities shall be disposed of immediately if more than 66% of the total capacity is reached, including rainwater.

B. Waste Management

No solid materials, including building materials, shall be discarded to Water of the State, except as authorized by a Section 404 permit. All waste materials shall be collected and removed off site. Construction waste material is not to be buried on site. Hazardous material shall not be stored on site. Any hazardous waste should be disposed of in the manner specified by local or State regulation or by the manufacturer.

C. Material Storage

Materials or contaminants shall be stored in a manner that minimizes the potential to discharge into a storm water drainage system or watercourse. Petroleum products shall be stored in a tightly sealed container. All materials shall be stored in their original containers with legible labels. Any release of chemicals / contaminants shall be immediately cleaned up and disposed of in the manner specified by local or State regulation or by the manufacturer.

D. Spill Prevention

The construction site shall have the capacity to manage, contain, and clean up any contaminants or oil caused by a spill should they occur. Spills shall be immediately cleaned up in accordance to the MSD sheets and shall not be buried on site or washed into a storm water drainage system or watercourse. BMPs shall be implemented to contain and clean-up spills and prevent material discharges to the storm drain system. The contractor shall produce a written plan stating how his/her company will prevent, report, and clean up spills and provide a copy to all of his/her employees and the resident engineer. The contractor shall notify all of his/her employees on the proper protocol for reporting spills. The contractor shall notify the resident engineer of any spills immediately.

Section 4: Allowable Non-Stormwater Discharge Management

A. Except for flows from firefighting activities, sources of non-stormwater that may be combined with storm water discharges associated with construction activity in this SWPPP are as follows:
   - Watering for Dust Control
   - Potable water including hydrant and waterline flushing
   - Uncontaminated air conditioning condensate
   - Uncontaminated compressor condensate
   - Uncontaminated groundwater
   - Landscape Irrigation

B. The following Best Management Practices for allowable non-stormwater discharge shall be followed:
   - All hydrant and waterline flushing shall not be flushed directly onto an exposed earth area. Hoses should be used to direct the flow onto a stabilized area. A stabilized area where runoff will not flow across an exposed area should be used where possible.
   - Erosion from landscape irrigation shall be kept to a minimum.

Section 5: Inspections

Qualified personnel shall inspect disturbed areas of the construction site which have not yet been permanently stabilized, structural control measures, and good housekeeping BMPs. Such inspections shall be conducted at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall.

A. Disturbed areas, use areas (storage of materials, stockpiles, machine maintenance, fueling, etc.), borrow sites, and waste sites shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Discharge locations or points that are accessible, shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of offsite sediment tracking.

B. Based on the results of the inspection, the description of potential pollutant sources identified in Section 1 above and pollution prevention measures identified in Section 2 & 3 above shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within ½ hour to 1 week based on the urgency of the situation. The resident engineer will notify the contractor of the time required to implement such actions through the weekly inspection report.

C. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with section IV (B) shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with Part VI. G of the general permit.

D. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incidence of Noncompliance" (ION) report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI. G of the general permit. The Incidence of Non-Compliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
Post Office Box 19276
Springfield, Illinois 62794-9276

Section 6: SWPPP Operator Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Project: Willow Avenue Utility Improvements

Permit #:

_____ _____

Signature of Operator Date

_____

Printed Name of Operator

CONTRACTOR CERTIFICATION

STORMWATER POLLUTION PREVENTION PLAN

Project Number: _____

Project Title: Willow Avenue Utility Improvements _____

Operator(s): City of Wheaton

As a contractor, you are required to comply with the Stormwater Pollution Prevention Plan (SWPPP) for any work that you perform on-site. Any person or group who violates any condition of the SWPPP may be subject to substantial penalties or loss of contract. You are encouraged to advise each of your employees working on this project of the requirements of the SWPPP. A copy of the SWPPP is available for your review at the Engineering Department in City Hall. Each contractor engaged in activities at the construction site that could impact stormwater must be identified and sign the following certification statement:

I certify under the penalty of law that I have read and understand the terms and conditions of the SWPPP for the above designated project and agree to follow the BMPs and practices described in the SWPPP.

This certification is hereby signed in reference to the above named project:

Company: _____

Address: _____

City, State, Zip Code: _____

Telephone Number: _____

Type of construction service to be provided: _____

_____

_____

Contractor Signature: _____

Printed Name / Title: _____

Date: _____

CITY OF WHEATON STORMWATER POLLUTION PREVENTION INSPECTION FORM

Site Name: Willow Avenue Utility Improvements	Inspector:	Date:

Stormwater Plan Type: ☐ Simple Plan ☐ Full SWPP ☐ SWPP Onsite / ☐ NOI Onsite

Reason for Inspection: ☐ Weekly ☐ > 1/2 " Rain ☐ Random ☐ Complaint

Construction Entrance Installed Correctly? ☐ Yes ☐ No ☐ N/A

Problems? ☐ Mud in Stones ☐ Sediment Tracked Offsite ☐ Other _____

Action Needed _____

Silt Fence Installed Correctly? (Entire Site) ☐ Yes ☐ No ☐ N/A

Problems? ☐ Fabric Not Trenched ☐ Broken Stakes ☐ Fabric Down/Cut ☐ Not Installed Where Needed ☐ Removed Before Permanent Stabilization ☐ Other _____

Action Needed _____

Inlet Protection / Culvert Protection Installed Correctly? (Entire Site) ☐ Yes ☐ No ☐ N/A

Problems? ☐ Runoff Ponding ☐ Hole in Fabric ☐ Basket Full ☐ Not Installed Where Needed ☐ Other _____

Action Needed _____

Concrete Washout Area in Place? ☐ Yes ☐ No ☐ N/A

Problems? ☐ Washout Area Leaking ☐ Washout over 2/3 Full ☐ Other _____

Action Needed _____

Sediment Basin / Sediment Trap / Rock Check Dam Installed Correctly? ☐ Yes ☐ No ☐ N/A

Problems? ☐ Runoff Not Directed Correctly ☐ Downstream Not Stabilized ☐ Fabric Down/Cut ☐ Over 40% Full ☐ Emergency Overflow Incorrect ☐ Other _____

Action Needed _____

Temporary Stabilization Installed in All Dormant Areas? (after 7 days) ☐ Yes ☐ No ☐ N/A

Problems? ☐ Stockpile ☐ Entire Site ☐ Erosion Blanket ☐ Other _____

Action Needed _____

Permanent Stabilization Completed? (Entire Site) ☐ Yes ☐ No ☐ N/A

Problems? ☐ No Stabilization Method ☐ Vegetation not 70% ☐ Other _____

Action Needed _____

Violations and Corrective Action

Site in Compliance with NPDES Permit and/or DuPage County and City Ordinances? ☐ Yes ☐ No

Corrective Action Required (Verbal On Site) ☐ Yes ☐ No

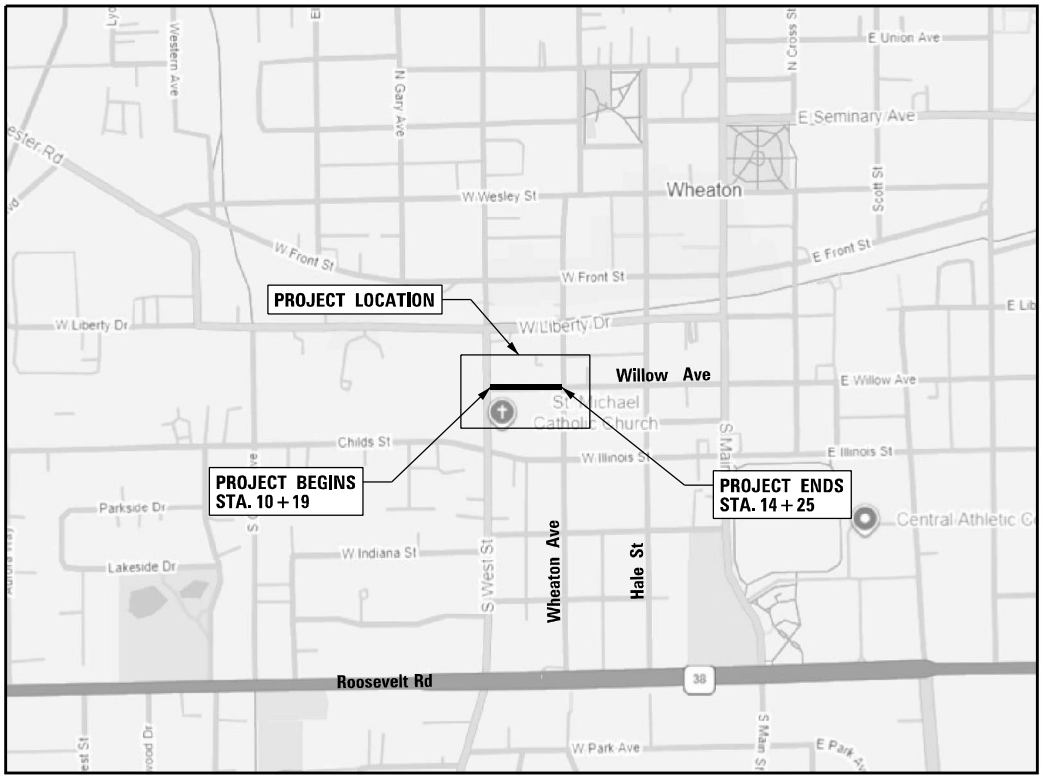
Corrective Action Required (Send Letter) ☐ Yes ☐ No

Sediment Discharge from Site ☐ Yes ☐ No - Document Incidence of Non-Compliance (ION) ☐ Yes ☐ No

Stop Work Order ☐ Yes ☐ No

Penalty Action ☐ Yes ☐ No

SWPPP LOCATION MAP



LOCATION MAP

LENGTH OF PROJECT TOTAL = 430 FEET (0.08 MILES)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
CONSTRUCTION SITE STORM WATER DISCHARGE
INCIDENCE OF NON-COMPLIANCE (ION)

PERMITTEE NAME:	LAST	FIRST	MIDDLE INITIAL	AREA CODE + PHONE NUMBER:	
STREET:		CITY:		ST:	ZIP:
CONSTRUCTION SITE NAME:					
COUNTY:		SECTION:		TOWNSHIP:	RANGE:

NPDES PERMIT NUMBER:	I	L	R	1	0				LATITUDE:	DEG.	MIN.	SEC.	LONGITUDE:	DEG.	MIN.	SEC.

CAUSE OF NON-COMPLIANCE:

ACTIONS TAKEN TO PREVENT ANY FURTHER NON-COMPLIANCE:

ENVIRONMENTAL IMPACT RESULTING FROM THE NON-COMPLIANCE:

ACTIONS TAKEN TO REDUCE THE ENVIRONMENTAL IMPACT RESULTING FROM THE NON-COMPLIANCE:

SIGNATURE: ____ **TITLE:** **DATE:**

MAIL COMPLETED FORM TO:

(DO NOT SUBMIT ADDITIONAL DOCUMENTATION UNLESS REQUESTED)

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION #19
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

FOR OFFICE USE ONLY

LOG:
PERMIT NO. ILR10______________
DATE:

Information required by this form must be provided to comply with 415 ILCS 5/39(1996). Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

IL 532 2105
WPC 624 Rev. 6/98)

GUIDELINES FOR COMPLETION OF INCIDENCE OF NON-COMPLIANCE (ION) FORM

Complete and submit this form for any violation of the Storm Water Pollution Prevention Plan observed during any inspection conducted, including those not required by the Plan. Please adhere to the following guidelines.

- **Submit original, photocopy or facsimile copies. Facsimile and/or photo copies should be followed-up with an original signature copy as soon as possible. Please write "copy" under the "For Office Use Only" box in the lower right hand corner.**

- **Submit completed forms to:**

  Illinois Environmental Protection Agency Division of Water Pollution Control Permit Section Post Office Box 19276 Springfield, Illinois 62794-9276

- **Reports must be typed or printed legibly and signed.**

- **Use the formats given in the following examples for correct form completion.**

Example		Format
SECTION	12	1 or 2 numerical digits
TOWNSHIP	12N	1 or 2 numerical digits followed by "N" or "S"
RANGE	12W	1 or 2 numerical digits followed by "E" or "W"

SOIL LABORATORY TESTING

Construction & Geotechnical Material Testing, Inc.

60 Martin Lane, Elk Grove Village, Illinois 60007
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

October 22, 2025

CGMT Project No.: 25E0544

Mr. Sarang A. Lagvankar, PE
City of Wheaton
303 W. Wesley Street
Wheaton, Illinois 60187

RE: Limited Environmental Screening and Soil Laboratory Testing
Willow Avenue Utility Improvements
Willow Avenue – Wheaton, Illinois 60187

Dear Mr. Lagvankar:

Construction & Geotechnical Material Testing, Inc. (CGMT) is pleased to provide you with the test results for the limited environmental screening for on-site soil at the project site for contamination of soil with other clean construction or demolition debris (CCDD) in accordance with Section 22.51(f)(2)(B) of the Environmental Protection Act [415 ILCS 5/22.51(f)(2)(B)].

CGMT understands that the spoils from your proposed excavation activities during the construction of the above referenced project in Wheaton, Illinois will be hauled off site. To evaluate the soils, CGMT performed a limited soil sampling and testing analysis.

In general, the material sampled consisted of black, brown and/or gray silty clay loam soils. Due to similar soils encountered to the depths of approximately 7½ feet below the existing ground surface, CGMT collected one (1) independent grab sample. The attached location map depicts the approximate location of the sample.

CGMT obtained the soil sample of on-site materials readily accessible to a hand auger. The soil sample was sealed in containers and returned to our laboratory subcontractor to perform laboratory testing. The sample was tested for the following parameters:

- VOCs
- SVOCs
- PCB's
- Pesticides
- RCRA Metals
- Cyanide; and
- pH

Based on the test results, in general, the soil sample exhibited an absence of detections for most target analytes and detect values below the threshold values for each of the items listed above when compared to Maximum Allowable Concentrations of Chemical Constituents in Uncontaminated Soil Used as Fill Material at Regular Fill Operations within a populated area and at pH range of 6.25 to 9.0. Based on review of the above-mentioned target list, the soils appear acceptable for disposal.

It should be noted that CGMT acquired the samples from readily accessible areas. If, during construction, soils that are stained and/or exhibit odors are encountered, removal operations should be immediately suspended, and additional sampling and testing should be performed prior to resuming removal operations. Please note that CCDD/UFSO facilities screen each load with a PID, which will determine the final acceptance of individual loads, regardless of the analytical results.

We look forward to our work with you on this project and future projects.

Respectfully Submitted,

CONSTRUCTION AND GEOTECHNICAL MATERIAL TESTING, INC.

Pratik K. Patel, P.E.
Vice President

Attachments: Location Map
IEPA Form LPC-663
MAC Table Summary
Laboratory Test Results

GENERAL LOCATION PLAN

- Approximate Sample Location
- Acceptable CCDD Material

N

CGMT Project No. 25E0544
Willow Avenue Utility Improvements
Willow Avenue
Wheaton, DuPage County, Illinois 60187

Illinois Environmental Protection Agency

2520 West Iles Avenue • P.O. Box 19276 • Springfield • Illinois • 62794-9276 • (217) 782-3397

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

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 professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 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 (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: Willow Avenue Utility Improvements Office Phone Number, if available: _____

Physical Site Location (address, including number and street):
Willow Avenue

City: Wheaton State: IL Zip Code: 60187

County: DuPage Township: Milton

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.86315 (Decimal Degrees) Longitude: - 88.11066 (-Decimal Degrees)

Identify how the lat/long data were determined:

○ GPS ○ Map Interpolation ○ Photo Interpolation ○ Survey ✓ Other

Google Earth

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: City of Wheaton
Street Address: 303 W. Wesley Street
PO Box: _____
City: Wheaton State: IL
Zip Code: 60187 Phone: (630) 260-2067
Contact: Sarang A. Lagvankar, PE
Email, if available: slagvankar@wheaton.il.us

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.

Project Name: Willow Avenue Utility Improvements Latitude: 41.86315 Longitude: - 88.11066

Uncontaminated Soil Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

CGMT performed a limited exploration to evaluate on-site condition and potential PIPs. Due to the similar soils, black, brown and/or gray silty clay loam and anticipated quantity of excavation, one (1) soil sample was collected for the indicator contaminants associated with the identified PIPs. An attached location map indicates the approximate location of the sample.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0,including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201 (g), 1100.205(a), 1100.610]:

See attached cover sheet for testing and analysis process.

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Pratik K. Patel, P.E. (name of licensed professional engineer or geologist) certify under penalty of law that the 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. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

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))

Company Name: Construction & Geotechnical Material Testing, Inc.

Street Address: 60 Martin Lane

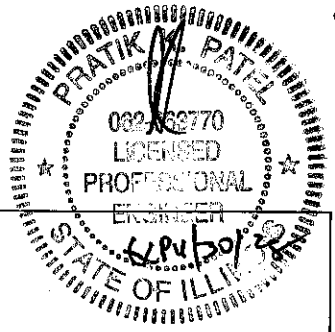
City: Elk Grove Village State: IL Zip Code: 60007

Phone: (630) 595-1111

Pratik K. Patel, P.E.
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

Oct 22, 2025
Date:



P.E or L.P.G. Seal:

CGMT, INC.				WAW #1	Maximum Allowable Concentration	MAC within a MSA County	MAC within a non-MSA county	MAC within Chicago corporate limits	MAC within a populated area in a MSA excluding Chicago	MAC within a populated area in a non-MSA county	MAC outside a populated area
25E0544 - City of Wheaton Illinois											
Date of Sample Collection:				10/14/2025							
Time of Sample Collection:				8:00 AM							
First Environmental Lab. Numbers:				25-9440-001							
Contaminants of Concern:											
Volatile Organic Compounds (5035A/8260B)											
Date Analyzed:	**Units**	**RDL**	**CAS**	**10/16/2025**							
Acetone	mg/kg	0.2	67-64-1	<0.2	25						
Benzene	mg/kg	0.005	71-43-2	<0.005	0.03						
Bromodichloromethane	mg/kg	0.005	75-27-4	<0.005	0.6						
Bromoform	mg/kg	0.005	75-25-2	<0.005	0.8						
Bromomethane	mg/kg	0.01	74-83-9	<0.01	0.2						
Carbon disulfide	mg/kg	0.005	75-15-0	<0.005	9						
Carbon tetrachloride	mg/kg	0.005	56-23-5	<0.005	0.07						
Chlorobenzene	mg/kg	0.005	108-90-7	<0.005	1						
Chlorodibromomethane	mg/kg	0.005	124-48-1	<0.005	0.4						
Chloroform	mg/kg	0.005	67-66-3	<0.005	0.3						
1,1-Dichloroethane	mg/kg	0.005	75-34-3	<0.005	23						
1,2-Dichloroethane	mg/kg	0.005	107-06-2	<0.005	0.02						
1,1-Dichloroethene	mg/kg	0.005	75-35-4	<0.005	0.06						
cis-1,2-Dichloroethene	mg/kg	0.005	156-59-2	<0.005	0.4						
trans-1,2-Dichloroethene	mg/kg	0.005	156-60-5	<0.005	0.7						
1,2-Dichloropropane	mg/kg	0.005	78-87-5	<0.005	0.03						
cis-1,3-Dichloropropene	mg/kg	0.004	10061-01-5	<0.004	0.005						
trans-1,3-Dichloropropene	mg/kg	0.004	10061-02-6	<0.004	0.005						
Ethylbenzene	mg/kg	0.005	100-41-4	<0.005	13						
Methyl-tert-butylether (MTBE	mg/kg	0.005	1634-04-4	<0.005	0.32						
Methylene chloride	mg/kg	0.02	75-09-2	<0.02	0.02						
Styrene	mg/kg	0.005	100-42-5	<0.005	4						
Tetrachloroethene	mg/kg	0.005	127-18-4	<0.005	0.06						
Toluene	mg/kg	0.005	108-88-3	<0.005	12						
1,1,1-Trichloroethane	mg/kg	0.005	71-55-6	<0.005	2						
1,1,2-Trichloroethane	mg/kg	0.005	79-00-5	<0.005	0.02						
Trichloroethene	mg/kg	0.005	79-01-6	<0.005	0.06						
Vinyl acetate	mg/kg	0.01	108-05-4	<0.01	10						
Vinyl chloride	mg/kg	0.01	75-01-4	<0.01	0.01						
Xylene, Total	mg/kg	0.005	1330-20-7	<0.005	5.6						

CGMT, INC.				WAW #1	Maximum Allowable Concentration	MAC within a MSA County	MAC within a non-MSA county	MAC within Chicago corporate limits	MAC within a populated area in a MSA excluding Chicago	MAC within a populated area in a non-MSA county	MAC outside a populated area
25E0544 - City of Wheaton Illinois											
Date of Sample Collection:				10/14/2025							
Time of Sample Collection:				8:00 AM							
First Environmental Lab. Numbers:				25-9440-001							
Contaminants of Concern:											
Semi-Volatile Compounds (8270C)											
Date Analyzed:	**Units**	**RDL**	**CAS**	**10/17/2025**							
Acenaphthene	mg/kg	0.33	83-32-9	<0.33	570						
Anthracene	mg/kg	0.33	120-12-7	<0.33	12000						
Benzo(a)anthracene	mg/kg	0.33	56-55-3	<0.33				1.1	1.8	0.9	0.9
Benzo(a)pyrene	mg/kg	0.09	50-32-8	<0.09				1.3	2.1	0.98	0.09
Benzo(b)fluoranthene	mg/kg	0.33	205-99-2	<0.33				1.5	2.1	0.9	0.9
Benzo(k)fluoranthene	mg/kg	0.33	207-08-9	<0.33	9						
Benzoic acid	mg/kg	0.33	65-85-0	<0.33	400						
bis(2-Chloroethyl)ether	mg/kg	0.33	111-44-4	<0.33	0.66						
bis(2-Ethylhexyl)phthalate	mg/kg	0.33	117-81-7	<0.33	46						
Butyl benzyl phthalate	mg/kg	0.33	85-68-7	<0.33	930						
Carbazole	mg/kg	0.33	86-74-8	<0.33	0.6						
4-Chloroaniline	mg/kg	0.33	106-47-8	<0.33	0.7						
2-Chlorophenol	mg/kg	0.33	95-57-8	<0.33	1.5						
Chrysene	mg/kg	0.33	218-01-9	<0.33	88						
Dibenzo(a,h)anthracene	mg/kg	0.09	53-70-3	<0.09				0.2	0.42	0.15	0.09
1,2-Dichlorobenzene	mg/kg	0.33	95-50-1	<0.33	17						
1,4-Dichlorobenzene	mg/kg	0.33	106-46-7	<0.33	2						
3,3'-Dichlorobenzidine	mg/kg	0.66	91-94-1	<0.66	1.3						
2,4-Dichlorophenol	mg/kg	0.33	120-83-2	<0.33	0.48						
Diethyl phthalate	mg/kg	0.33	84-66-2	<0.33	470						
2,4-Dimethylphenol	mg/kg	0.33	105-67-9	<0.33	9						
Di-n-butyl phthalate	mg/kg	0.33	84-74-2	<0.33	2300						
2,4-Dinitrophenol	mg/kg	1.6	51-28-5	<1.6	3.3						
2,4-Dinitrotoluene	mg/kg	0.25	121-14-2	<0.25	0.25						
2,6-Dinitrotoluene	mg/kg	0.26	606-20-2	<0.26	0.26						
Di-n-octylphthalate	mg/kg	0.33	117-84-0	<0.33	1600						
Fluoranthene	mg/kg	0.33	206-44-0	<0.33	3100						
Fluorene	mg/kg	0.33	86-73-7	<0.33	560						
Hexachlorobenzene	mg/kg	0.33	118-74-1	<0.33	0.4						
Hexachlorocyclopentadiene	mg/kg	0.33	77-47-4	<0.33	1.1						
Hexachloroethane	mg/kg	0.33	67-72-1	<0.33	0.5						
Indeno(1,2,3-cd)pyrene	mg/kg	0.33	193-39-5	<0.33				0.9	1.6	0.9	0.9
Isophorone	mg/kg	0.33	78-59-1	<0.33	8						
2-Methylphenol	mg/kg	0.33	95-48-7	<0.33	15						
Naphthalene	mg/kg	0.33	91-20-3	<0.33	1.8						
Nitrobenzene	mg/kg	0.26	98-95-3	<0.26	0.26						
n-Nitrosodi-n-propylamine	mg/kg	0.09	621-64-7	<0.09	0.0018						
n-Nitrosodiphenylamine	mg/kg	0.33	86-30-6	<0.33	1						
Pentachlorophenol	mg/kg	0.33	87-86-5	<0.33	0.02						
Phenol	mg/kg	0.33	108-95-2	<0.33	100						
Pyrene	mg/kg	0.33	129-00-0	<0.33	2300						
1,2,4-Trichlorobenzene	mg/kg	0.33	120-82-1	<0.33	5						
2,4,5-Trichlorophenol	mg/kg	0.33	95-95-4	<0.33	26						
2,4,6-Trichlorophenol	mg/kg	0.33	88-06-2	<0.33	0.66						

CGMT, INC.				WAW #1	Maximum Allowable Concentration	MAC within a MSA County	MAC within a non-MSA county	MAC within Chicago corporate limits	MAC within a populated area in a MSA excluding Chicago	MAC within a populated area in a non-MSA county	MAC outside a populated area
25E0544 - City of Wheaton Illinois											
Date of Sample Collection:				10/14/2025							
Time of Sample Collection:				8:00 AM							
First Environmental Lab. Numbers:				25-9440-001							
Contaminants of Concern:											
Pesticides/PCBs (8081A/8082)											
Date Analyzed:	**Units**	**RDL**	**CAS**	**10/20/2025**							
Aldrin	mg/kg	0.008	309-00-2	<0.008	0.94						
Aroclor 1016	mg/kg	0.08	12674-11-2	<0.08	1						
Aroclor 1221	mg/kg	0.08	11104-28-2	<0.08	1						
Aroclor 1232	mg/kg	0.08	11141-16-5	<0.08	1						
Aroclor 1242	mg/kg	0.08	53469-21-9	<0.08	1						
Aroclor 1248	mg/kg	0.08	12672-29-6	<0.08	1						
Aroclor 1254	mg/kg	0.16	11097-69-1	<0.16	1						
Aroclor 1260	mg/kg	0.16	11096-82-5	<0.16	1						
alpha-BHC	mg/kg	0.002	319-84-6	<0.002	0.0074						
gamma-BHC (Lindane)	mg/kg	0.008	58-89-9	<0.008	0.009						
alpha-Chlordane	mg/kg	0.08	5103-71-9	<0.08	1.8						
gamma-Chlordane	mg/kg	0.08	57-74-9	<0.08	1.8						
4,4'-DDD	mg/kg	0.016	72-54-8	<0.016	3						
4,4'-DDE	mg/kg	0.016	72-55-9	<0.016	2						
4,4'-DDT	mg/kg	0.016	50-29-3	<0.016	2						
Dieldrin	mg/kg	0.016	60-57-1	<0.016	0.603						
Endosulfan I	mg/kg	0.008	959-98-8	<0.008	18						
Endosulfan II	mg/kg	0.016	33213-65-9	<0.016	18						
Endosulfan sulfate	mg/kg	0.016	1031-07-8	<0.016	18						
Endrin	mg/kg	0.016	72-20-8	<0.016	1						
Heptachlor	mg/kg	0.008	76-44-8	<0.008	0.871						
Heptachlor epoxide	mg/kg	0.008	1024-57-3	<0.008	1.005						
Methoxychlor	mg/kg	0.08	72-43-5	<0.08	160						
Toxaphene	mg/kg	0.16	8001-35-2	<0.16	0.6						
Total Metals (6010C)											
Date Analyzed:	**Units**	**RDL**	**CAS**	**10/16/2025**							
Arsenic	mg/kg	1	7440-38-2	9.9		13	11.3				
Barium	mg/kg	0.5	7440-39-3	45.2	1500						
Cadmium	mg/kg	0.5	7440-43-9	<0.5	5.2						
Chromium	mg/kg	0.5	7440-47-3	15.3	21						
Lead	mg/kg	0.5	7439-92-1	12.9	107						
Selenium	mg/kg	1	7782-49-2	<1.0	1.3						
Silver	mg/kg	0.2	7440-22-4	<0.2	4.4						
Total Mercury (7471B)											
Date Analyzed:	**Units**	**RDL**	**CAS**	**10/17/2025**							
Mercury	mg/kg	0.05	7439-97-6	<0.05	0.89						
pH @ 25°C, 1:2 (9045D)											
Date Analyzed:	**Units**	**RDL**	**CAS**	**10/16/2025**							
pH @ 25°C, 1:2	Units		PH	8.49	6.25-9.00						
Cyanide, Total (9010B/9014)											
Date Analyzed:	**Units**	**RDL**	**CAS**	**10/17/2025**							
Cyanide, Total	mg/kg	0.1	57-12-5	<0.10	40						

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

October 22, 2025

Mr. Pratik Patel
CGMT, INC.
60 Martin Lane
Elk Grove Village, IL 60007

Project ID: 25E0544 - City of Wheaton Illinois
First Environmental File ID: 25-9440
Date Received: October 14, 2025

Dear Mr. Pratik Patel:

The above referenced project was analyzed as directed on the enclosed chain of custody record.

All Quality Control criteria as outlined in the methods and current IL ELAP/NELAP have been met unless otherwise noted. QA/QC documentation and raw data will remain on file for future reference. Our accreditation number is 100292 and our current certificate is number:

1002922025-14: effective 01/16/25 through 02/28/2026.

I thank you for the opportunity to be of service to you and look forward to working with you again in the future. Should you have any questions regarding any of the enclosed analytical data or need additional information, please contact me at (630) 778-1200.

Sincerely,

Ryan Gerrick
Project Manager

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Case Narrative

CGMT, INC.

Lab File ID: **25-9440**

Project ID: **25E0544 - City of Wheaton Illinois**

Date Received: **October 14, 2025**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The results in this report apply to the samples in the following table:

Laboratory Sample ID	Client Sample Identifier	Date/Time Collected
25-9440-001	WAW #1	10/14/2025 8:00

Sample Batch Comments:

Sample acceptance criteria were met.

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Case Narrative

CGMT, INC.

Lab File ID: **25-9440**

Project ID: **25E0544 - City of Wheaton Illinois**

Date Received: **October 14, 2025**

All quality control criteria, as outlined in the methods, have been met except as noted below or on the following analytical report.

The following is a definition of flags that may be used in this report:

Flag	Description	Flag	Description
A	Method holding time is 15 minutes from collection. Lab analysis was performed as soon as possible.		
B	Analyte was found in the method blank.	L	LCS recovery outside control limits.
<	Analyte not detected at or above the reporting limit.	M	MS recovery outside control limits; LCS acceptable.
C	Sample received in an improper container for this test.	P	Chemical preservation pH adjusted in lab.
D	Surrogates diluted out; recovery not available.	Q	Result was determined by a GC/MS database search.
E	Estimated result; concentration exceeds calibration range.	S	Analysis was subcontracted to another laboratory.
G	Surrogate recovery outside control limits.	T	Result is less than three times the MDL value.
H	Analysis or extraction holding time exceeded.	W	Reporting limit elevated due to sample matrix.
I	ICVS % rec outside 95-105% but within 90-110%		
J	Estimated result; concentration is less than routine RL but greater than MDL.	N	Analyte is not part of our NELAC accreditation or accreditation may not be available for this parameter.
RL	Routine Reporting Limit (Lowest amount that can be detected when routine weights/volumes are used without dilution.)	ND	Analyte was not detected using a library search routine; No calibration standard was analyzed.

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: CGMT, INC.
Project ID: 25E0544 - City of Wheaton Illinois
Sample ID: WAW #1
Sample No: 25-9440-001

Date Collected: 10/14/25
Time Collected: 8:00
Date Received: 10/14/25
Date Reported: 10/22/25

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Solids, Total **Method: 2540G 2011**				
Analysis Date: 10/15/25				
Total Solids	86.35		%	
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 10/16/25				
Acetone	< 200	200	ug/kg	
Benzene	< 5.0	5.0	ug/kg	
Bromodichloromethane	< 5.0	5.0	ug/kg	
Bromoform	< 5.0	5.0	ug/kg	
Bromomethane	< 10.0	10.0	ug/kg	
2-Butanone (MEK)	< 100	100	ug/kg	
Carbon disulfide	< 5.0	5.0	ug/kg	
Carbon tetrachloride	< 5.0	5.0	ug/kg	
Chlorobenzene	< 5.0	5.0	ug/kg	
Chlorodibromomethane	< 5.0	5.0	ug/kg	
Chloroethane	< 10.0	10.0	ug/kg	
Chloroform	< 5.0	5.0	ug/kg	
Chloromethane	< 10.0	10.0	ug/kg	
1,1-Dichloroethane	< 5.0	5.0	ug/kg	
1,2-Dichloroethane	< 5.0	5.0	ug/kg	
1,1-Dichloroethene	< 5.0	5.0	ug/kg	
cis-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
trans-1,2-Dichloroethene	< 5.0	5.0	ug/kg	
1,2-Dichloropropane	< 5.0	5.0	ug/kg	
cis-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
trans-1,3-Dichloropropene	< 4.0	4.0	ug/kg	
Ethylbenzene	< 5.0	5.0	ug/kg	
2-Hexanone	< 10.0	10.0	ug/kg	
Methyl-tert-butylether (MTBE)	< 5.0	5.0	ug/kg	
4-Methyl-2-pentanone (MIBK)	< 10.0	10.0	ug/kg	
Methylene chloride	< 20.0	20.0	ug/kg	
Styrene	< 5.0	5.0	ug/kg	
1,1,2,2-Tetrachloroethane	< 5.0	5.0	ug/kg	
Tetrachloroethene	< 5.0	5.0	ug/kg	
Toluene	< 5.0	5.0	ug/kg	
1,1,1-Trichloroethane	< 5.0	5.0	ug/kg	
1,1,2-Trichloroethane	< 5.0	5.0	ug/kg	
Trichloroethene	< 5.0	5.0	ug/kg	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: CGMT, INC.
Project ID: 25E0544 - City of Wheaton Illinois
Sample ID: WAW #1
Sample No: 25-9440-001

Date Collected: 10/14/25
Time Collected: 8:00
Date Received: 10/14/25
Date Reported: 10/22/25

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Volatile Organic Compounds **Method: 5035A/8260B**				
Analysis Date: 10/16/25				
Vinyl acetate	< 10.0	10.0	ug/kg	
Vinyl chloride	< 10.0	10.0	ug/kg	
Xylene, Total	< 5.0	5.0	ug/kg	
Semi-Volatile Compounds **Method: 8270C**		**Preparation Method 3540C**		
Analysis Date: 10/17/25		Preparation Date: 10/16/25		
Acenaphthene	< 330	330	ug/kg	
Acenaphthylene	< 330	330	ug/kg	
Anthracene	< 330	330	ug/kg	
Benzidine	< 330	330	ug/kg	
Benzo(a)anthracene	< 330	330	ug/kg	
Benzo(a)pyrene	< 90	90	ug/kg	
Benzo(b)fluoranthene	< 330	330	ug/kg	
Benzo(k)fluoranthene	< 330	330	ug/kg	
Benzo(ghi)perylene	< 330	330	ug/kg	
Benzoic acid	< 330	330	ug/kg	
Benzyl alcohol	< 330	330	ug/kg	
bis(2-Chloroethoxy)methane	< 330	330	ug/kg	
bis(2-Chloroethyl)ether	< 330	330	ug/kg	
bis(2-Chloroisopropyl)ether	< 330	330	ug/kg	
bis(2-Ethylhexyl)phthalate	< 330	330	ug/kg	
4-Bromophenyl phenyl ether	< 330	330	ug/kg	
Butyl benzyl phthalate	< 330	330	ug/kg	
Carbazole	< 330	330	ug/kg	
4-Chloroaniline	< 330	330	ug/kg	
4-Chloro-3-methylphenol	< 330	330	ug/kg	
2-Chloronaphthalene	< 330	330	ug/kg	
2-Chlorophenol	< 330	330	ug/kg	
4-Chlorophenyl phenyl ether	< 330	330	ug/kg	
Chrysene	< 330	330	ug/kg	
Dibenzo(a,h)anthracene	< 90	90	ug/kg	
Dibenzofuran	< 330	330	ug/kg	
1,2-Dichlorobenzene	< 330	330	ug/kg	
1,3-Dichlorobenzene	< 330	330	ug/kg	
1,4-Dichlorobenzene	< 330	330	ug/kg	
3,3'-Dichlorobenzidine	< 660	660	ug/kg	
2,4-Dichlorophenol	< 330	330	ug/kg	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: CGMT, INC.
Project ID: 25E0544 - City of Wheaton Illinois
Sample ID: WAW #1
Sample No: 25-9440-001

Date Collected: 10/14/25
Time Collected: 8:00
Date Received: 10/14/25
Date Reported: 10/22/25

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** Analysis Date: 10/17/25		**Preparation Method 3540C** Preparation Date: 10/16/25		
Diethyl phthalate	< 330	330	ug/kg	
2,4-Dimethylphenol	< 330	330	ug/kg	
Dimethyl phthalate	< 330	330	ug/kg	
Di-n-butyl phthalate	< 330	330	ug/kg	
4,6-Dinitro-2-methylphenol	< 1,600	1600	ug/kg	
2,4-Dinitrophenol	< 1,600	1600	ug/kg	
2,4-Dinitrotoluene	< 250	250	ug/kg	
2,6-Dinitrotoluene	< 260	260	ug/kg	
Di-n-octylphthalate	< 330	330	ug/kg	
Fluoranthene	< 330	330	ug/kg	
Fluorene	< 330	330	ug/kg	
Hexachlorobenzene	< 330	330	ug/kg	
Hexachlorobutadiene	< 330	330	ug/kg	
Hexachlorocyclopentadiene	< 330	330	ug/kg	
Hexachloroethane	< 330	330	ug/kg	
Indeno(1,2,3-cd)pyrene	< 330	330	ug/kg	
Isophorone	< 330	330	ug/kg	
2-Methylnaphthalene	< 330	330	ug/kg	
2-Methylphenol	< 330	330	ug/kg	
3 & 4-Methylphenol	< 330	330	ug/kg	
Naphthalene	< 330	330	ug/kg	
2-Nitroaniline	< 1,600	1600	ug/kg	
3-Nitroaniline	< 1,600	1600	ug/kg	
4-Nitroaniline	< 1,600	1600	ug/kg	
Nitrobenzene	< 260	260	ug/kg	
2-Nitrophenol	< 1,600	1600	ug/kg	
4-Nitrophenol	< 1,600	1600	ug/kg	
n-Nitrosodi-n-propylamine	< 90	90	ug/kg	
n-Nitrosodimethylamine	< 330	330	ug/kg	
n-Nitrosodiphenylamine	< 330	330	ug/kg	
Pentachlorophenol	< 330	330	ug/kg	
Phenanthrene	< 330	330	ug/kg	
Phenol	< 330	330	ug/kg	
Pyrene	< 330	330	ug/kg	
Pyridine	< 330	330	ug/kg	
1,2,4-Trichlorobenzene	< 330	330	ug/kg	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: CGMT, INC.
Project ID: 25E0544 - City of Wheaton Illinois
Sample ID: WAW #1
Sample No: 25-9440-001

Date Collected: 10/14/25
Time Collected: 8:00
Date Received: 10/14/25
Date Reported: 10/22/25

Results are reported on a dry weight basis.

Analyte	Result	R.L.	Units	Flags
Semi-Volatile Compounds **Method: 8270C** **Preparation Method 3540C** Analysis Date: 10/17/25 Preparation Date: 10/16/25				
2,4,5-Trichlorophenol	< 330	330	ug/kg	
2,4,6-Trichlorophenol	< 330	330	ug/kg	
Pesticides/PCBs **Method: 8081A/8082** **Preparation Method 3540C** Analysis Date: 10/20/25 Preparation Date: 10/16/25				
Aldrin	< 8.0	8.0	ug/kg	
Aroclor 1016	< 80.0	80.0	ug/kg	
Aroclor 1221	< 80.0	80.0	ug/kg	
Aroclor 1232	< 80.0	80.0	ug/kg	
Aroclor 1242	< 80.0	80.0	ug/kg	
Aroclor 1248	< 80.0	80.0	ug/kg	
Aroclor 1254	< 160	160	ug/kg	
Aroclor 1260	< 160	160	ug/kg	
alpha-BHC	< 2.0	2.0	ug/kg	
beta-BHC	< 8.0	8.0	ug/kg	
delta-BHC	< 8.0	8.0	ug/kg	
gamma-BHC (Lindane)	< 8.0	8.0	ug/kg	
alpha-Chlordane	< 80.0	80.0	ug/kg	
gamma-Chlordane	< 80.0	80.0	ug/kg	
4,4'-DDD	< 16.0	16.0	ug/kg	
4,4'-DDE	< 16.0	16.0	ug/kg	
4,4'-DDT	< 16.0	16.0	ug/kg	
Dieldrin	< 16.0	16.0	ug/kg	
Endosulfan I	< 8.0	8.0	ug/kg	
Endosulfan II	< 16.0	16.0	ug/kg	
Endosulfan sulfate	< 16.0	16.0	ug/kg	
Endrin	< 16.0	16.0	ug/kg	
Endrin aldehyde	< 16.0	16.0	ug/kg	
Endrin ketone	< 16.0	16.0	ug/kg	
Heptachlor	< 8.0	8.0	ug/kg	
Heptachlor epoxide	< 8.0	8.0	ug/kg	
Methoxychlor	< 80.0	80.0	ug/kg	
Toxaphene	< 160	160	ug/kg	
Total Metals **Method: 6010C** **Preparation Method 3050B** Analysis Date: 10/16/25 Preparation Date: 10/16/25				
Arsenic	9.9	1.0	mg/kg	

First Environmental Laboratories, Inc.
IL ELAP / NELAC Accreditation # 100292
1600 Shore Road • Naperville, Illinois 60563 • Phone (630) 778-1200 • Fax (630) 778-1233

Analytical Report

Client: CGMT, INC.
Project ID: 25E0544 - City of Wheaton Illinois
Sample ID: WAW #1
Sample No: 25-9440-001

Date Collected: 10/14/25
Time Collected: 8:00
Date Received: 10/14/25
Date Reported: 10/22/25

Results are reported on a dry weight basis.

Analyte		Result	R.L.	Units	Flags
Total Metals	**Method: 6010C**		**Preparation Method 3050B**		
Analysis Date: 10/16/25			Preparation Date: 10/16/25		
Barium		45.2	0.5	mg/kg	
Cadmium		< 0.5	0.5	mg/kg	
Chromium		15.3	0.5	mg/kg	
Lead		12.9	0.5	mg/kg	
Selenium		< 1.0	1.0	mg/kg	
Silver		< 0.2	0.2	mg/kg	
Total Mercury	**Method: 7471B**				
Analysis Date: 10/17/25					
Mercury		< 0.05	0.05	mg/kg	
pH @ 25°C, 1:2	**Method: 9045D**				
Analysis Date: 10/16/25 9:42					
pH @ 25°C, 1:2		8.49		Units	
Cyanide, Total	**Method: 9010B/9014**				
Analysis Date: 10/17/25					
Cyanide, Total		< 0.10	0.10	mg/kg	

CHAIN OF CUSTODY RECORD

Page___ of ___ pgs

First Environmental Laboratories, Inc.

First Environmental Laboratories
1600 Shore Road, Suite D
Naperville, Illinois 60563
Phone: (630) 778-1200 • Fax: (630) 778-1233
E-mail: firstinfo@firstenv.com • www.firstenv.com
IEPA Certification #100292

Company Name: CGMT, INC.
Street Address: 60 MARTIN LANE
City: ELK GROVE VILLAGE State: IL Zip: 60007
Phone: 595-1111 e-mail:
Send Report To: BLAKE SLOAN / PRATIK PATEL
Sampled By: RS

Project I.D.: CITY OF WHEATON WHEATON, ILLINOIS
P.O. #: 25E0544

25-9440

Date/Time Taken	Sample Description	Matrix	VOCs	SVOCs	PCBs	RCRA METALS	CYANIDE	PH	Hold – Do Not Analyze	Comments	Lab I.D.
10/14/25 @8:00am	WAW #1	S	X	X	X	X	X	X	X		001

FOR LAB USE ONLY:

Cooler Temperature: 0.1-6ºC Yes__ No.__ _____ºC
Received within 6 hrs. of collection:_____
Ice Present: Yes__ No__

LAB COURIER USE ONLY:

Sample Refrigerated: Yes X No__
Refrigerator Temperature: 4 ºC

Program: ☐ TACO/SRP ☐ CCDD ☐ NPDES ☐ LUST ☐ SDWA

***Matrix Code Key:** **S**-Soil **SL**-Sludge **DW**-Drinking Water **WW**-Wastewater **GW**-Groundwater **WIPE**-Wipe **O**-Other

Notes and Special Instructions: *(5 DAYS)*

Relinquished By: _____ Date/Time 10/14/25 1333 **Received By:** _____ Date/Time 10/14/25 1333

Relinquished By: _____ Date/Time _____ **Received By:** _____ Date/Time _____

Rev. 6/19

IDOT DISTRICT ONE DETAILS

As provided in plans.

IDOT HIGHWAY STANDARDS

As provided in plans.

Illinois Department of Transportation

Affidavit of Availability

For the Letting of 01/01/26

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
					Total Value of All Work	

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces						
Highway, R.R., Waterway Struc.						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the “Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this _____ day of _____ , _____

_____

(Signature of Notary Public)

My commission expires _____

(Notary Seal)

☐ Add pages for additional contracts

Illinois Department of Transportation

Affidavit of Availability

For the Letting of 01/01/26

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
					Total Value of All Work	

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces						
Highway, R.R., Waterway Struc.						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the “Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	2	3	4	Awards Pending	1
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this _____ day of _____ , _____

_____

(Signature of Notary Public)

My commission expires _____

(Notary Seal)

☐ Add pages for additional contracts

Illinois Department of Transportation

Affidavit of Availability

For the Letting of 01/01/26

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
					Total Value of All Work	

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces						
Highway, R.R., Waterway Struc.						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the “Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this _____ day of _____ , _____

_____

(Signature of Notary Public)

My commission expires _____

(Notary Seal)

☐ Add pages for additional contracts

Illinois Department of Transportation

Affidavit of Availability

For the Letting of 01/01/26

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
					Total Value of All Work	

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces						
Highway, R.R., Waterway Struc.						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the “Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this _____ day of _____ , _____

_____

(Signature of Notary Public)

My commission expires _____

(Notary Seal)

☐ Add pages for additional contracts

Illinois Department of Transportation

Affidavit of Availability

For the Letting of 01/01/26

Bureau of Construction
2300 South Dirksen Parkway/Room 322
Springfield, IL 62764

Instructions: Complete this form by either typing or using black ink. "Authorization to Bid" will not be issued unless both sides of this form are completed in detail. Use additional forms as needed to list all work.

Part I. Work Under Contract

List below all work you have under contract as either a prime contractor or a subcontractor. It is required to include all pending low bids not yet awarded or rejected. In a joint venture, list only that portion of the work which is the responsibility of your company. The uncompleted dollar value is to be based upon the most recent engineer's or owners estimate, and must include work subcontracted to others. If no work is contracted, show NONE.

	1	2	3	4	Awards Pending	Accumulated Totals
Contract Number						
Contract With						
Estimated Completion Date						
Total Contract Price						
Uncompleted Dollar Value if Firm is the Prime Contractor						
Uncompleted Dollar Value if Firm is the Subcontractor						
					Total Value of All Work	

Part II. Awards Pending and Uncompleted Work to be done with your own forces.

List below the uncompleted dollar value of work for each contract and awards pending to be completed with your own forces. All work subcontracted to others will be listed on the reverse of this form. In a joint venture, list only that portion of the work to be done by your company. If no work is contracted, show NONE.

Earthwork						
Portland Cement Concrete Paving						
HMA Plant Mix						
HMA Paving						
Clean & Seal Cracks/Joints						
Aggregate Bases, Surfaces						
Highway, R.R., Waterway Struc.						
Drainage						
Electrical						
Cover and Seal Coats						
Concrete Construction						
Landscaping						
Fencing						
Guardrail						
Painting						
Signing						
Cold Milling, Planning, Rotomilling						
Demolition						
Pavement Markings (Paint)						
Other Construction (List)						
Totals						

Disclosure of this information is REQUIRED to accomplish the statutory purpose as outlined in the “Illinois Procurement Code." Failure to comply will result in non-issuance of an "Authorization To Bid." This form has been approved by the State Forms Management Center.

Part III. Work Subcontracted to Others.

For each contract described in Part I, list all the work you have subcontracted to others.

	1	2	3	4	Awards Pending
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Subcontractor					
Type of Work					
Subcontract Price					
Amount Uncompleted					
Total Uncompleted					

Notary

I, being duly sworn, do hereby declare this affidavit is a true and correct statement relating to ALL uncompleted contracts of the undersigned for Federal, State, County, City and private work, including ALL subcontract work, ALL pending low bids not yet awarded or rejected and ALL estimated completion dates.

Officer or Director

Title

Signature

Date

Company

Address

City

State

Zip Code

Subscribed and sworn to before me

this _____ day of _____ , _____

_____

(Signature of Notary Public)

My commission expires _____

(Notary Seal)

SEALED BID LABEL – CUT OUT

Cut along outer border and affix this label to your sealed bid envelope to identify it as a "Sealed Bid".

SEALED BID - DO NOT OPEN

==========

PROPOSAL FOR:

Willow Avenue Utility Improvements

City of Wheaton, IL

PROPOSAL FROM: **(Insert your company name below)**

TIME OF OPENING: 11:00 A.M. local time

DATE OF OPENING: February 17, 2026

==========

TO BE OPENED BY PURCHASING OFFICER ONLY

==========

MAIL TO:

Purchasing Officer
City Hall / City of Wheaton
303 West Wesley Street
Wheaton, IL 60189-0727