Illinois Department of Transportation

Local Public Agency
Formal Contract

PROPOSAL SUBMITTED BY		
LEN COX & SONS EXCAVATING		
Contractor's Name		
1203 THEODORE STREET		
Street		P.O. Box
CREST HILL	IL	60403
City	State	Zip Code

STATE OF ILLINOIS

COUNTY WILL

VILLAGE OF HOMER GLEN
(Name of City, Village, Town or Road District)

FOR THE IMPROVEMENT OF

STREET NAME OR ROUTE 159TH STREET WATERMAIN EXTENSION

SECTION NO. 17-00019-00-WM

TYPES OF FUNDS GENERAL

☒ SPECIFICATIONS (required) ☒ PLANS (required) ☒ CONTRACT BOND (when required)

For Municipal Projects

Submitted/Approved/Passed

☐ Mayor ☐ President of Board of Trustees ☒ Municipal Official

Date: OCTOBER 13, 2017

County WILL

Local Public Agency VILLAGE OF HOMER GLEN

Section Number 17-00019-00-WM

Route 159TH STREET WATERMAIN EXTENSION

1. THIS AGREEMENT, made and concluded the 13TH day of October, 2017 (Month and Year),

between the VILLAGE of HOMER GLEN

acting by and through its PRESIDENT AND BOARD OF TRUSTEES known as the party of the first part, and

LEN COX & SONS EXCAVATING his/their executors, administrators, successors or assigns,

known as the party of the second part.

2. Witnesseth: That for and in consideration of the payments and agreements mentioned in the Proposal hereto attached, to be made and performed by the party of the first part, and according to the terms expressed in the Bond referring to these presents, the party of the second part agrees with said party of the first part at his/their own proper cost and expense to do all the work, furnish all materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this agreement and the requirements of the Engineer under it.

3. And it is also understood and agreed that the LPA Formal Contract Proposal, Special Provisions, Affidavit of Illinois Business Office, Apprenticeship or Training Program Certification, and Contract Bond hereto attached, and the Plans for Section 17-00019-00-WM, in the VILLAGE OF HOMER GLEN, approved by the Illinois Department of Transportation on N/A (Date), are essential documents of this contract and are a part hereof.

4. IN WITNESS WHEREOF, The said parties have executed these presents on the date above mentioned.

Attest: _____ Clerk

(Seal)

The 13TH of OCTOBER, 2017

By _____
VILLAGE OF HOMER GLEN, PRESIDENT — Party of the First Part

(If a Corporation)

Corporate Name _____

By _____
President — Party of the Second Part

(If a Co-Partnership)

Attest: _____
Secretary

LEN COX & SONS EXCAVATING

_____
Partners doing Business under the firm name of

_____
Party of the Second Part

(If an individual)

_____
Party of the Second Part

RETURN WITH BID

County WILL
Local Public Agency VILLAGE OF HOMER GLEN
Section Number
Route 159TH STREET

PROPOSAL

1. Proposal of Len Cox & Sons Excavating

for the improvement of the above section by the construction of Consists of watermain installation and all necessary collateral work to construct the improvements.

a total distance of 7,288 feet, of which a distance of 7,288 feet, (1.378 miles) are to be improved.

2. The plans for the proposed work are those prepared by HR Green, Inc., 420 N. Front Street, McHenry, IL 60050 and approved by the Department of Transportation on
3. The specifications referred to herein are those prepared by the Department of Transportation and designated as "Standard Specifications for Road and Bridge Construction" and the "Supplemental Specifications and Recurring Special Provisions" thereto, adopted and in effect on the date of invitation for bids.
4. The undersigned agrees to accept, as part of the contract, the applicable Special Provisions indicated on the "Check Sheet for Recurring Special Provisions" contained in this proposal.
5. The undersigned agrees to complete the work by April 27, 2018 unless additional time is granted in accordance with the specifications.
6. 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:

Treasurer of VILLAGE OF HOMER GLEN

The amount of the check is 5% Bid Amount ( ).

7. In the event that one proposal guaranty check is intended to cover two or more proposals, the amount must be equal to the sum of the proposal guaranties, which would be required for each individual proposal. If the proposal guaranty check is placed in another proposal, it will be found in the proposal for: Section Number .
8. 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 or check shall be forfeited to the Awarding Authority.
9. 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 product 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.
10. A bid will be declared unacceptable if neither a unit price nor a total price is shown.
11. The undersigned submits herewith the schedule of prices on BLR 12200a covering the work to be performed under this contract.
12. The undersigned further agrees that if awarded the contract for the sections contained in the combinations on BLR 12200a, 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.

RETURN WITH BID

SCHEDULE OF PRICES

County WILL
Local Public Agency VILLAGE OF HOMER GLEN
Section 17-00019-00-WM
Route 159TH STREET

Schedule for Multiple Bids

Combination Letter	Sections Included in Combinations	Total

Schedule for Single Bid

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

Bidder's Proposal for making Entire Improvements	$1,286,981.50

Item No.	Items	Unit	Quantity	Unit Price	Total
1	WATER VALVE, 16"	EACH	11	$ 6,400.00	$ 70,400.00
2	VALVE VAULTS, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	13	$ 4,000.00	$ 52,000.00
3	FIRE HYDRANT, WM PIPE, AUXILARY VALVE AND VALVE BOX, COMPLETE	EACH	23	$ 5,635.00	$ 129,605.00
4	DUCTILE IRON WATER MAIN, 6" WITH POLYETHYLENE ENCASEMENT	LF	235	$ 62.00	$ 14,570.00
5	DUCTILE IRON WATER MAIN, 16" WITH POLYETHYLENE ENCASEMENT	LF	7288	$ 84.25	$ 614,014.00
6	CONNECTION TO EXISTING WATER MAIN 16', COMPLETE	EACH	1	$ 1,250.00	$ 1,250.00
7	STEEL CASING 30"	LF	226	$ 213.75	$ 48,307.50
8	WATER MAIN CASING, 27" (PVC C900 WM QUALITY PIPE)	LF	270	$ 202.50	$ 54,675.00
9	AIR RELEASE VALVE	EACH	2	$ 5,300.00	$ 10,600.00
10	FLUSHING HYDRANT	EACH	2	$ 4,435.00	$ 8,870.00
11	REMOVAL AND DISPOSAL OF NON-SPECIAL WASTES	CY	2325	$ 5.00	$ 11,625.00
12	STORM SEWER (WATER MAIN REQUIREMENTS), 18"	LF	52	$ 85.00	$ 4,420.00
13	TEMPORARY EROSION CONTROL SEEDING	LS	270	$ 6.00	$ 1,620.00
14	TEMPORARY MULCH	ACRES	3	$ 2,500.00	$ 7,500.00
15	TRENCH BACKFILL	CU YD	4840	$ 28.00	$ 135,520.00
16	HOT-MIX ASPHALT DRIVEWAY PAVEMENT	SY	315	$ 72.00	$ 22,680.00
17	UTILITY POLE BRACING	EACH	5	$ 350.00	$ 1,750.00
18	TRAFFIC CONTROL AND PROTECTION, SPECIAL	LS	1	$ 85,000.00	$ 85,000.00
19	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CY	2515	$ 5.00	$ 12,575.00

RETURN WITH BID

CONTRACTOR CERTIFICATIONS

County WILL
Local Public Agency VILLAGE OF HOMER GLEN
Section Number
Route 159TH STREET

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 Deliquency.** 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 procedures established by the appropriate revenue Act, its liability for the tax or the amount of 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 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 in behalf of the corporation.

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

3. **Bribery.** The bidder or contractor or subcontractor, respectively, certifies that it has not been convicted of bribery or attempting to bribe an officer or employee of the State of Illinois or any unit of local government, nor has the firm made an admission of guilt of such conduct which is a matter of record, nor has an official, agent, or employee of the firm committed bribery or attempted bribery on behalf of the firm and pursuant to the direction or authorization of a responsible official of the firm.

4. **Interim Suspension or Suspension.** The bidder or contractor or subcontractor, respectively, certifies that it is not currently under a suspension as defined in Subpart I of Title 44 Subtitle A Chapter III Part 6 of the Illinois Administrative Code. Furthermore, if suspended prior to completion of this work, the contract or contracts executed for the completion of this work may be cancelled.

RETURN WITH BID

County WILL
Local Public Agency VILLAGE OF HOMER GLEN
Section Number
Route 159TH STREET

SIGNATURES

(If an individual)

Signature of Bidder _____

Business Address _____

(If a partnership)

Firm Name Len Cox & Sons Excavating

Signed By Jason T. Cox

Business Address 1203 Theodore Street, Crest Hill, IL 60403

Inset Names and Addressed of All Partners
Leonard Cox, 6 Coventry Chase, Joliet, IL 60431
John Cox, 20607 W Thomas Dr, Lockport, IL 60441
Joseph Cox, 21133 Alicia Ct, Lockport, IL 60441
Jason Cox, 712 Westridge Rd, Joliet, IL 60431
Jeffrey Cox, 904 Barber Ln, Joliet, IL 60435

(If a corporation)

Corporate Name _____

Signed By _____
President

Business Address _____

Insert Names of Officers
President _____
Secretary _____
Treasurer _____

Attest: _____
Secretary

Illinois Department of Transportation

Executed in Four (4) Counterparts

Contract Bond

Route 159th STREET WATERMAIN EXTENSION
County Will
Local Agency VILLAGE OF HOMER GLEN
Section 17-00019-00-WM
Bond No. 106737265

We, Len Cox & Sons Excavating

1203 Theodore Street, Crest Hill, IL 60403

a/an) ☐ Individual ☒ Co-partnership ☐ Corporation organized under the laws of the State of IL,

as PRINCIPAL, and Travelers Casualty and Surety Company of America

One Tower Square, Hartford, CT 06183 **as SURETY,**

are held and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of
One Million Two Hundred Eighty Six Thousand Nine Hundred Eighty One Dollars and 50/100

Dollars ($1,286,981.50 **), lawful money of the United States, well and truly to be paid unto said LA, for the payment of which we bind ourselves, our heirs, executors, administrators, successors, jointly to pay to the LA this sum under the conditions of this instrument.**

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

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

IN TESTIMONY WHEREOF, the said PRINCIPAL and the said SURETY have caused this instrument to be signed by their respective officers this 13th day of October A.D. 2017

PRINCIPAL

Len Cox & Sons Excavating
(Company Name)

By: Jason T. Cox (Signature & Title) Partner

Attest: ESTIMATOR
(Signature & Title)

(Company Name)

By:
(Signature & Title)

Attest:
(Signature & Title)

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

STATE OF

COUNTY OF Will

I, Melissa M. Colletti, a Notary Public in and for said county, do hereby certify that

Jason T. Cox

(Insert names of individuals signing on behalf or PRINCIPAL)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of PRINCIPAL, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 13 day of October A.D. 2017

My commission expires Aug 2. 2020 Melissa M. Colletti (SEAL)
Notary Public

MELISSA M COLLETTI
Official Seal
Notary Public - State of Illinois
My Commission Expires Aug 2, 2020

SURETY

Travelers Casualty and Surety Company of America
(Name of Surety)

By: William Reidinger (Signature of Attorney-in-Fact)

(SEAL)

STATE OF Illinois

COUNTY OF Cook

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

William Reidinger

(Insert names of individuals signing on behalf or SURETY)

who are each personally known to me to be the same persons whose names are subscribed to the foregoing instrument on behalf of SURETY, appeared before me this day in person and acknowledged respectively, that they signed and delivered said instrument as their free and voluntary act for the uses and purposes therein set forth.

Given under my hand and notarial seal this 13th day of October A.D. 2017

My commission expires February 23, 2019 Thomas Green Notary Public (SEAL)

OFFICIAL SEAL
THOMAS GREEN
NOTARY PUBLIC, STATE OF ILLINOIS
My Commission Expires 02/23/2019

Approved this 13 day of OCTOBER, A.D. 2017

Attest: Village Clerk

(Awarding Authority)
MAYOR
(Chairman/Mayor/President)

IL 494-0372

BLR 12321 (Rev. 7/05)

TRAVELERS

POWER OF ATTORNEY

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

Surety Bond No. 106737265

OR

Project Description: 159th Street Water Main Extension - 17-00019-00-WM

Principal: Len Cox & Sons Excavating

Obligee: Village of Homer Glen

KNOW ALL MEN BY THESE PRESENTS: That Farmington Casualty Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, are corporations duly organized under the laws of the State of Connecticut, that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc. is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint **William Reidinger** of the City of **Schaumburg** , State of **IL** , their true and lawful Attorney-in-Fact, to sign, execute, seal and acknowledge the surety bond(s) referenced above.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this **24th** day of **June, 2016.**

Farmington Casualty Company
Fidelity and Guaranty Insurance Company
Fidelity and Guaranty Insurance Underwriters, Inc.
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company

St. Paul Mercury Insurance Company
Travelers Casualty and Surety Company
Travelers Casualty and Surety Company of America
United States Fidelity and Guaranty Company

State of Connecticut

City of Hartford ss.

By: _____
Robert L. Raney, Senior Vice President

On this the **24th** day of **June , 2016,** before me personally appeared **Robert L. Raney,** who acknowledged himself to be the Senior Vice President of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June, 2021.**

Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary, of Farmington Casualty Company, Fidelity and Guaranty Insurance Company, Fidelity and Guaranty Insurance Underwriters, Inc., St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, Travelers Casualty and Surety Company, Travelers Casualty and Surety Company of America, and United States Fidelity and Guaranty Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 13th day of October, 2017.

Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, call 1-800-421-3880 or contact us at www.travelersbond.com. Please refer to the Attorney-In-Fact number, the above-named individuals and the details of the bond to which the power is attached.

RETURN WITH BID

Affidavit of Illinois Business Office

County WILL
Local Public Agency VILLAGE OF HOMER GLEN
Section Number
Route 159TH STREET

State of Illinois)
) ss.
County of Will)

I, Jason T. Cox (Name of Affiant) of Joliet (City of Affiant), Illinois (State of Affiant),

being first duly sworn upon oath, states as follows:

1. That I am the a Partner (officer or position) of Len Cox & Sons Excavating (bidder).
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under this proposal, Len Cox & Sons Excavating (bidder), will maintain a business office in the State of Illinois which will be located in Will County, Illinois.
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)

Jason T. Cox
(Print Name of Affiant)

This instrument was acknowledged before me on 20th day of September, 2017.

(SEAL)

"OFFICIAL SEAL"
Arthur Rambo, Jr.
Notary Public, State of Illinois
My Commission Expires 6/2/2018

(Signature of Notary Public)

INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2017

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 4-1-16) (Revised 1-1-17)

SUPPLEMENTAL SPECIFICATIONS

RECURRING SPECIAL PROVISIONS

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

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STATE OF ILLINOIS

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction," adopted January 1, 2016, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways," and the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids, and the Supplemental Specifications and Recurring Special Provisions indicated on the Check Sheet included herein, and the Standard Specifications for Water and Sewer Main Construction in Illinois, latest edition, which apply to and govern the construction of the IL Route 7 (159th Street) project; Village of Homer Glen, Will County; and in case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

Route: IL Route 7 (159th Street) Gougar Rd. to Cedar Rd.
County: Will

LOCATION OF PROJECT

The project is located along the North side of 159th Street between Cedar Road and Gouger Road in the Village of Homer Glen, Will County, Illinois. The net and gross length of the project is approximately 7,288 feet (1.378 miles).

DESCRIPTION OF PROJECT

Work generally consists of earth excavation, erosion control measures, water main installation and all incidental and collateral work necessary to complete the project in accordance with the approved Plans and Specifications, and as described herein.

STATUS OF UTILITIES TO BE ADJUSTED

Utilities companies involved in this project have provided the following estimated durations:

Name of Utility	Type	Location	Estimated Duration of Time for the Completion of Relocation or Adjustments
AT&T 1000 Commerce Drive Oak Brook, IL 60523 Attn: Steve Larson 630-573-6484	Overhead Cable	Project Length	Existing poles to be moved before construction starts. No conflict anticipated.
ComEd 1910 South Briggs Street Joliet, IL 60433 Attn: Mark Tulach 630-437-2212	Overhead Electric	Project Length	Existing poles to be moved before construction starts. No conflict anticipated.
Name of Utility	**Type**	**Location**	**Estimated Duration of Time**

			for the Completion of Relocation or Adjustments
Illinois American Water 1000 Internationale Pkwy Woodridge, IL 60517 Attn: Richard Herman 630-739-8825	Water	Cedar Rd	Connecting to Existing Line
Nicor Gas 1844 Ferry Road Naperville, IL 60563 Attn: Bruce Koppang 630-388-3046	Gas	Project length	No conflict anticipated
Wolverine Pipeline 8075 Creekside Dr, #210 Portage, MI 49024 Attn: Scott Smith 815-325-5357	Oil	Station 38+00	No conflict anticipated
Mustang/Exxon Mobile Attn: Andrew Zastrow 815-476-7444 (X202)	Oil	Station 38+00	No conflict anticipated
Enterprise Attn: Michael Boomsma 708-906-8659 Tim Kistner 708-534-5003	Oil	West of Leach Dr.	No conflict anticipated
BP Attn: Alice Johnson 630-536-2519	Oil	West of Leach Dr.	No conflict anticipated

The Contractor, within 10 days after the award of the contract, shall provide to the Village of Homer Glen with an inventory list of the equipment that will be working within the area of all four (4) oil pipeline locations. The information required in this equipment inventory list is as follows: 1. Make, 2. Model, 3.Number of axles, 4.Width & length of track on ground, 5. Fully loaded weight. This information is being required by the pipeline companies.

The above represents the best information available to the Department and is included for the convenience of the bidder. The applicable portions of Articles 105.07 and 107.30 of the Standard Specifications shall apply.

TRAFFIC CONTROL PLAN

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 Village of Homer Glen at least 72 hours in advance of beginning work.

STANDARDS:
701001-02, 701006-05, 701011-04, 701301-04, 701311-03, 701501-06, 701801-05, 701901-03
DETAILS:
TC-10: Traffic Control and Protection for Side Roads, Intersections, and Driveways
TC-13: District One Typical Pavement Markings

SPECIAL PROVISIONS:
Maintenance of Roadways
Work Zone Traffic Control (LRS #3)
Public Convenience and Safety (D-1)
Sidewalk, Corner, or Crosswalk Closure (BDE SP 80354)

This work will not be paid for separately and shall be included in the cost of the contract.

COMPLETION DATE

This contract shall be completed by **April 27, 2018**; if the Contractor fails to complete the work by the above-specified date, liquidated damages will be charged in accordance with the provisions of Article 108.09 and shall be strictly adhered to.

If work under the IDOT project IL Rte 7 (159th Street) Contract #60L71 is delayed or scheduling conflicts between the two contracts occur, the completion date for the Village of Homer Glen Water Main project along Rte 7 (159th Street) will be adjusted accordingly; however, no compensation to the Water Main contractor will be awarded for delays.

MOBILIZATION

This Contract contains no provisions for Mobilization. Therefore, Section 671 of the Standard Specifications is deleted.

PUBLIC CONVENIENCE AND SAFETY (D-1)
Effective: May 1, 2012
Revised: July 15, 2012

Add the following to the end of the fourth paragraph of Article 107.09:

"If the holiday is on a Saturday or Sunday, and is legally observed on a Friday or Monday, the length of Holiday Period for Monday or Friday shall apply."

Add the following sentence after the Holiday Period table in the fourth paragraph of Article 107.09:

"The Length of Holiday Period for Thanksgiving shall be from 5:00 AM the Wednesday prior to 11:59 PM the Sunday After"

Delete the fifth paragraph of Article 107.09 of the Standard Specifications:

"On weekends, excluding holidays, roadways with Average Daily Traffic of 25,000 or greater, all lanes shall be open to traffic from 3:00 P.M. Friday to midnight Sunday except where structure construction or major rehabilitation makes it impractical."

COOPERATION WITH ADJACENT CONTRACTS AND SUGGESTED CONSTRUCTION SEQUENCING

Under a separate contract (IDOT Project No. ACNHPP-0351(027)), IDOT will be reconstructing 159th Street (IL Route 7) from Gougar Road to Will-Cook Road during the same time period as this contract.

The contractor shall make every reasonable effort to perform the Work in such manner as to enable both the Work and such other work to be completed without hindrance or interference from each other. The Contractor shall keep itself informed of the progress and the details of such other work and shall afford the Village and other Contractors reasonable opportunity for the execution of such other work. The Contractor shall also properly connect and coordinate the Work with such other work, therefore the Contractor will be expected to complete the installation of the water main along 159th Street (IL Route 7) in two (2) tasks, as summarized below, to accommodate the work of IDOT Project No. ACNHPP-0351(027).

Task 1 shall be completed after switch to Stage 2 of the IDOT Project No. ACNHPP-0351(027). Task 1 work shall include the following:

- Installation of water main.
- Install valve vaults and fire hydrant leads up to and including the auxiliary valve. Valve boxes and valve vaults will be temporary buried to at least 2.5 foot cover as to not interfere with IDOT work. Valve boxes and valve vaults will need to be sealed when buried to prevent debris from entering them. Valve boxes and valve vaults will be installed to final grade along with installation of fire hydrants as part of Task 2.
- Installation of a sufficient number of fire hydrants as necessary to complete flushing, pressure testing, and disinfection of the water main. Fire hydrants will be removed to the auxiliary valve after flushing/testing/disinfection is complete unless Engineer determines the removal unnecessary in field.
- Pressure test and disinfect the water main.

Task 2 shall be completed when the rough final grade is complete for the IDOT project. Task 2 work shall include the following:

- Installation of all fire hydrants.
- Adjusting valve boxes and valve vaults to final grade elevations.

If other contractors change the conditions found at, or in the vicinity of, the Work Site, the contractor shall treat the new conditions as if they were previously existing conditions. The contractor will not be entitled to any equitable adjustment in the Contract Price as a result of such changes.

Village of Homer Glen water main project permitted by IDOT along IL Rte 7 (159th Street) (Utility Permit #_____) must be coordinated with the IL Rte 7 Contract # 60L71 IDOT Resident Engineer. **The ongoing IDOT Public Improvement along IL Rte 7 shall take precedence over the Villages water main project. This includes IDOT's scheduling, staging, roadway/ sewer construction and traffic control.**

This work will be included in the various contract items and no additional compensation will be allowed to the contractor for compliance with the specified requirements.

REDUCTION IN THE SCOPE OF WORK

The Project Summary is a listing of work to be completed, which include pay items for TRENCH BACKFILL and REMOVAL AND DISPOSAL OF NON-SPECIAL WASTE. These items may be substantially reduced as the excavated materials maybe used for trench backfill. No allowance will be made for anticipated profits as the result of a decrease in the quantities of work to be performed or the reduction in Trench Backfill, and Removal and Disposal of Regulated Substances.

WATER VALVE, 16"
VALVE VAULT, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID

The water valves (gate valves) shall be suitable for ordinary water works service, intended to be installed in a normal position on buried pipe lines for water distribution systems.

Valves 3-inch and larger shall be designed in accordance with AWWA C509 (cast iron body), or AWWA C515 (ductile iron body), bronze fitted, resilient wedge and seat type with non-rising stem and O-ring packing. Valves shall be designed with a clockwise closing direction.

Each valve shall have manufacturer's name, pressure rating, and year in which manufactured cast on the body. Prior to shipment from the factory, each valve shall be tested by hydrostatic pressure equal to twice the specified working pressure.

Gate Valves 16" and smaller shall be US Pipe Resilient Wedge Gate, Clow Resilient Wedge Gate, Mueller Resilient Wedge Gate.

Gate Valves shall be installed with mega - lug wedge action retainer glands.

Gate Valves within an eccentric cone vault shall be geared to allow the valve to be placed in the horizontal position as shown on plan details.

Valve Vaults shall be precast reinforced concrete in accordance with ASTM C478. Valve vaults 6' for valves 10" or larger.

Valve vaults will be installed during Task 1 and Task 2 and then buried and sealed before being adjusted to final grade during Task 3.

Frame shall be East Jordan Frame 1050 EXHD, Neenah R-1713, or approved equal. Cover shall be stamped with the word "WATER".

Blocking to prevent movement of lines under pressure at bends, tees, caps, valves, plugs and hydrants shall be a minimum twelve inch (12") thick Precast Portland Cement Concrete Block, placed between undisturbed soil and the fittings, and shall be anchored in such a manner that pipe and fitting joints will be accessible for repairs.

The cost of thrust blocking is considered included in the cost of the item being installed.

This work shall be measured per each valve vault with specified diameter with type 1 frame and closed lid and each water valve with specified diameter.

This work shall be paid for at the contract unit price each for WATER VALVE of specified size and VALVE VAULT, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID of the type and size specified, which price shall include providing and installing the valve, valve vault, trench backfill, and backfill material as detailed on the plans.

FIRE HYDRANT WITH AUXILLARY VALVE AND VALVE BOX, COMPLETE

This work shall be done in accordance with Section 564 of the Standard Specifications except as modified herein and as shown on the details on the plans.

Hydrant shall be Mueller Super Centurion with one 4 ½" pumper port and two 2 ½" hose port. The fire hydrant shall be painted Yellow (Tnemec Brand "Tneme-gloss" Federal Safety Yellow Enamel #2016). Traffic breakaway model.

Auxiliary valves shall be mechanical joint resilient wedge type manufactured by Mueller, Clow, or US Pipe. Valve boxes for auxiliary valve shall be Tyler or Bingham & Taylor with a cover marked with the word "WATER".

Valve box stabilizers shall be provided on all hydrant auxiliary valves by Valve Box Stabilizer Inc. or approved equal.

New fire hydrant is to be located as close as possible to the location shown on the plans, but the hydrant's final location will depend on presence of utilities and will be field located with the approval of the Engineer and the Owner.

The complete fire hydrant assemble shall be installed in two stages. Up to the auxiliary valve shall be installed during water main installation. The hydrant and valve box with stabilizer shall be installed after roadway Contractor completes additional work and the final grade is near completion, but prior to the bike path being constructed. During the final installation the hydrant lines/connections shall be flushed and swabbed with high strength chlorine solution for disinfection.

Each fire hydrant shall be bagged after installation. The bag shall be removed after the water main has been placed into service.

This work shall be measured per each fire hydrant and valve assembly.

This work shall be paid for at the contract unit price per each for FIRE HYDRANT WITH AUXILLARY VALVE AND VALVE BOX. The price shall include the fire hydrant, valve, valve box, 6" ductile iron hydrant lead, fittings, materials, labor, tools, equipment, and incidentals necessary to complete the work as specified.

DUCTILE IRON WATER MAIN, CLASS 350 WITH POLYETHYLENE ENCASEMENT, 6"
DUCTILE IRON WATER MAIN, CLASS 250 WITH POLYETHYLENE ENCASEMENT, 16"

This work consists of the construction of water mains constructed of ductile iron pipe 4" to 12" shall be pressure class 350. Pipe 16" and greater shall be pressure class 250. All pipe shall be cement mortar lining and seal coating (AWWA-C104). The joints shall be rubber gasket push-on or mechanical (AWWA-C111). Water Main fittings shall be of ductile iron wiith cement mortar lining and seal coating with mechanical joints and shall conform to AWWA-C110.

All water main shall be polyethylene encased for corrosion protection. The polyethylene film shall be linear low-density polyethylene film (minimum 8 mils) or high-density cross laminated polyethylene film (minimum 4 mils) and shall conform to ANSI/AWWA A21.5-99/C105. The manufacturer's name or trademark, year of manufacture, minimum film thickness and material type, applicable range of nominal pipe diameter size(s), and "Warning – Corrosion Protection – Repair Any Damage" shall be clearly marked on the sheet at minimum increments of 2 feet along its length. The encasement tube shall be installed in accordance with the manufacture's recommendations. The cost for the polyethylene encasement including installation, rip and puncture repair, adhesive tape, and all other associated materials and work shall be considered incidental to Pipe Installation for Water Mains of the type and size specified.

Excavation and backfill for water mains shall conform to the typical sections shown in the plans and to the provisions of Sections 20, 21, and 22 of the Standard Specifications for Water & Sewer Main Construction in Illinois. All pipe bedding, haunching and initial backfill shall be included in the cost of WATER MAIN of the type and size specified.

When water is encountered in the trench, it shall be removed during pipe laying and jointing operations. Provisions shall be made to prevent floating of the pipe. Trench water shall not be allowed to enter the pipe at any time.

Dewatering, if required, shall be considered included in the cost of the Contract.

Blocking to prevent movement of lines under pressure at bends, tees, caps, valves, plugs, and hydrants shall be a minimum twelve inch (12") thick Precast Portland Cement Concrete Block, placed between undisturbed soil and the fittings as shown on the plans, and shall be anchored in such a manner that pipe and fitting joints will be accessible for repairs.

The cost of thrust blocking is considered included in the cost of the item being installed.

Ductile iron fittings shall be in accordance with ANSI/AWWA C110/A21.10 and/or AWWA C153/A21.53. Fitting Pressure Rating: 350 psi (Except flange-joint and groove joint type fittings shall be rated at 250 psi). Ductile iron fittings shall be considered incidental to Pipe Installation for Water Mains of the type and size specified.

All Tees, bends and other accessories required to place the water main at the locations depicted in the plans or as determined by the engineer shall be considered included in the cost of WATER MAIN of the type and size specified.

All mechanical joint fittings, valves, and hydrants shall be restrained with retainer glands.

Couplings: Install where indicated on the Drawings. Couplings shall be ductile iron with stainless steel bolts and nuts. Couplings shall meet working pressure of 150 psi. Type 441 by Smith-Blair, Inc. or Engineer approved equivalent.

Retainer glands shall be Mega-Lug by EBAA Iron Inc. or approved equal. All mechanical joints shall have stainless steel, washers, bolts and nuts.

The cost of furnishing and installing retainer glands and couplings is considered included in the cost of WATER MAIN of the type and size specified.

The gaskets used on the water main installation in the following areas shall be Viton, Fluorel or FKM gasket made of fluoroelastomer or fluorocarbon rubber that can handle hostile chemical environment.

- Station 34+00 to Station 37+60 (West 159th Street) 0 to 120 feet LT
- Station 44+00 to Station 44+90 (West 159th Street) 0 to 100 feet LT
- Station 44+90 to Station 46+50 (West 159th Street) 0 to 100 feet LT
- Station 53+00 to Station 55+30 (West 159th Street) 0 to 100 feet LT
- Station 65+00 to Station 69+00 (West 159th Street) 0 to 100 feet LT
- Station 88+50 to Station 89+50 (West 159th Street) 0 to 100 feet LT

Detectable Tracer Wires: T304 coated stainless steel aircraft cable sized to withstand pull required, but at a minimum of 3/16" diameter. One (1) tracer wire to be installed on all water main installed in open cut sections. Terminal ends to be placed in all structures, secured to a stainless steel hook mounted inside the structure, or brought to the surface, and at other locations designated by the ENGINEER. Installation of tracer wire shall not be paid for separately but shall be considered incidental to the DUCTILE IRON WATER MAIN, CLASS 52 WITH POLYETHYLENE ENCASEMENT work of size specified. All tracer wire splice locations shall be made with suitable electrical connection devices or electrical wire connectors. If CONTRACTOR fails to properly install the tracer wires or the wire breaks during the installation process, the CONTRACTOR will be required to install said tracer wire in a ½ inch to 1 inch PVC conduit securely attached to the top of the mains.

The Contractor shall perform Hydrostatic Tests in accordance with Division IV, Section 41 of the Standard Specifications for Water and Sewer Main Construction in Illinois, latest edition, and applicable provisions of AWWA C-600 and C-603.

The water mains shall maintain a 150 psi average for a period of not less than 2 hour. Allowable leakage shall be as set forth in Standard Specifications for Water and Sewer Main Construction in Illinois, latest edition, and at no time shall the pressure loss be greater than 2 psi. Duration of the test shall be two (2) hours minimum. The Contractor shall provide and use a pressure gauge approved by the Village for the test. The gauge should be of good quality and condition and be fluid filled. The gauge should have large enough range for the pressure of one (1) psi. The testing length shall be limited to 1000 lineal feet. If more than 1000 lineal feet of water main is tested, the allowable leakage will be based upon 1000 lineal feet. The Village water operator in charge or person authorized by the Village water operator in charge shall be present during all testing.

Upon completion of the newly laid water main, the water main shall be disinfected in accordance with the American Water Works Association, Procedure Destination, AWWA C-651. The Contractor is responsible for collecting samples and having bacteriological testing performed as required by the Illinois Environmental Protection Agency. The Engineer shall be present when the samples are taken.

Water samples collected on two (2) successive days from the treated piping system shall show satisfactory bacteriological results. Bacteriological analyses must be performed by a laboratory certified by the IEPA and approved by the Engineer.

Should the initial treatment result in an unsatisfactory bacterial test, the original chlorination procedure shall be repeated by the Contractor until satisfactory results are obtained at the contractors own expense.

The Contractor shall furnish to the Engineer the required documentation, test results, etc., required by the IEPA for placing the water main in service.

This work will not be paid for separately and shall be considered included in the cost to WATER MAIN of the size and type specified. Corporation stops shall be installed within the valve vaults as necessary for flushing, testing, and chlorinating/de-chlorinating. These corporation stops will not be paid for separately but shall be considered incidental to this pay item.

This work shall be measured per lineal foot of WATER MAIN of the size and type specified.

This work will be paid for at the contract unit price per linear foot for WATER MAIN of the size and type specified, which shall include all necessary labor and materials to pressure test, disinfect, and test the water main, all as required to place the water main in service in accordance with the IEPA regulations.

CONNECTION TO EXISTING WATER MAIN 16", COMPLETE

The Contractor shall perform connections to the existing water main at locations shown on the drawings.

Couplings shall be installed to connect to existing water mains where indicated on the Drawings. Couplings shall be ductile iron with stainless steel bolts and nuts. Couplings shall meet requirements to accommodate a working pressure of 150 psi. Couplings shall be Type 441 by Smith-Blair, Inc. or Engineer approved equivalent.

The Contractor shall not operate valves on existing mains. Valves will be closed and opened only by the employees of Illinois American Water Company. The Contractor shall expose the water main to be connected to and shall confirm the size and type of piping present.

Once the new water mains have been tested and approved for service, then the Contractor shall, under the direction of the Engineer, place the new water main in service.

Dewatering, if required, shall be considered included in the cost of the Contract.

This work shall be measured per each connection to an existing water main.

This work will be paid for at the contract unit price per each for CONNECTION TO EXISTING WATER MAIN for specified diameter, which price shall include all equipment, labor, disposal of abandoned pipe, rounded stone bedding, abandon the existing water main, backfilling the void left, and other materials (not listed for payment separately) required to properly connect to existing water mains. Ductile Iron Fittings required for these connections will be considered in the contract unit price for connection to existing water mains for specified diameter. Trench backfill used while connecting to the existing water main shall be considered in the contract unit price for CONNECTION TO EXISTING WATER MAINS for specified diameter.

STEEL CASING, 30"

The casing pipe for the water main shall be steel, bituminous coated, and shall be of leak proof construction, capable of withstanding the anticipated loadings. The steel shall comply with ASTM A139 and have minimum yield strength of 35,000 psi. The minimum wall thickness shall be 0.406".

Damaged casing which will result in an unsatisfactory joint when the succeeding section of casing is placed is cause for rejection and shall be replaced.

Provide casing spacers for carrier pipes. See standard casing/carrier pipe details on Drawings.

This work shall be measured per linear foot of steel casing installed.

This work includes installing 30" steel casing and other necessary accessories to complete water main installation will be paid for at the contract unit price per linear foot for STEEL CASING, 30".

WATER MAIN CASING, 27" (PVC C900 WM QUALITY PIPE)

The casing pipe for the water main shall be PVC C900 water main quality pipe.

Damaged casing which will result in an unsatisfactory joint when the succeeding section of casing is placed is cause for rejection and shall be replaced.

Provide casing spacers for carrier pipes. See standard casing/carrier pipe details on Drawings.

This work shall be measured per linear foot of casing installed.

This work includes installing 27" casing and other necessary accessories to complete water main installation will be paid for at the contract unit price per linear foot for WATER MAIN CASING, 27" (PVC C900 WM QUALITY PIPE).

AIR RELEASE VALVE

The air release valve shall be a combination air release/vacuum valve manufactured by Val-Matic or engineer approved equal. A shut-off valve shall be included in the installation of the air release valve as detailed in the plans.

This work shall be measured per each of the air release valves.

FLUSHING HYDRANT

This work consists of installation of a flushing hydrant. The hydrant shall be Mueller Super Centurion, Clow Medallion, or US Pipe Metroflow M-03 with one 4 ½" pumper port and two 2 ½" hose port.. The fire hydrant shall be painted Yellow (Tnemec Brand "Tneme-gloss" Federal Safety Yellow Enamel #2016).

Flushing hydrant shall be installed where shown on the plans to aid in flushing, disinfection, and pressure testing.

This work shall be measured per each flushing hydrant.

This work includes the installing the flushing hydrants and will be paid for at a contract unit price per each FLUSHING HYDRANT.

REMOVAL AND DISPOSAL OF NON-SPECIAL WASTE

This work shall be according to the applicable portions of Article 669 of the Standard Specifications and the following:

In addition to the requirements of Section 107.01 of the Standard Specifications, the Contractor shall be responsible for the proper removal and disposal of excavated materials from the project site. The Contractor will meet all requirements set forth by the IEPA and Public Act 96-1416 in regards to Clean Construction and Demolition Debris which may include, but not limited to, field and laboratory analyses, certification from a licensed Professional Engineer, dumping fees and documentation.

If material is unable to be disposed of at CCDD facility the contract shall be adjusted per Section 109.04 of the Standard Specifications.

This work shall be measured for payment by CY of REMOVAL AND DISPOSAL OF NON-SPECIAL WASTE.

This work will be paid for at the contract unit price per CY for REMOVAL AND DISPOSAL OF NON-SPECIAL WASTE.

STORM SEWER (WATER MAIN REQUIREMENTS), 18"

This work shall consist of constructing storm sewers meeting water main requirements.

Storm Sewer (Water Main Requirements) shall be used at locations where lateral separation between the sewer and water main or water service line is less than 10 feet (3.1 m) and the water main invert is less than 18 inches (457 mm) above the storm sewer crown. Also, Storm Sewer (Water Main Requirements) shall be used where the sewer crosses above the water main or water service line with 18 inches (457 mm) minimum vertical separation.

The storm sewer shall be constructed of

Ductile iron pipe, Class 52 with bell and rubber gasket joint

This work shall be done according to the applicable portions of Sections 550 and 561 of the Standard Specifications.

Method of Measurement. This work will be measured for payment according to Article 550.09 of the Standard Specifications.

Basis of Payment. This work will be paid for at the contract unit price per foot for STORM SEWER (WATER MAIN REQUIREMENTS), of the diameter specified.

TEMPORARY EROSION CONTROL SEEDING

This system consists of seeding all erodible/base areas to minimize the amount of exposed surface area. The temporary erosion control seeding shall be installed according to Article 280.04 of the Standard Specifications for Road and Bridge Construction (Standard Specifications).

This work shall be measured for payment in pounds of seed applied.

This work will be paid for at the contract unit price per pound for TEMPORARY EROSION CONTROL SEEDING.

TEMPORARY MULCH

This system consists of installing temporary mulch cover over designated areas to prevent sheet erosion of areas that are to be altered during later construction phase. The temporary mulch cover shall be installed according to Article 251.03 using Method 1 of the Standard Specifications for Road and Bridge Construction, except for any reference to seeding.

This work shall be measured for payment according to Article 251.06(b) of the Standard Specifications.

This work will be paid for according to Article 251.07 of Standard Specifications.

TRENCH BACKFILL

The trench backfill shall be installed, measured and paid according to Article 208 of the Standard Specifications.

HOT-MIX ASPHALT DRIVEWAY

This work shall consist of the removal of existing asphalt driveway aprons and the construction of hot-mix asphalt driveway pavement on a prepared sub-grade in accordance with applicable articles of Section 406, 440 and 482 of the Standard Specifications, Special Provisions for Hot-Mix Asphalt.

This work shall be done at locations of proposed water main, as shown on the plans, and at locations where the Engineer determines it will be necessary to provide a smooth transition in the driveway pavement. Additional compensation will NOT be allowed for varying materials types or thicknesses comprising of the existing driveway approach.

The Contractor shall form a perpendicular straight joint by full depth machine sawing at the end of the portion to be removed to prevent surface spalling. These areas must be marked and measured for payment by the Engineer prior to removal. The Contractor at his/her expense shall repair any driveway pavement damaged by the Contractor during the driveway pavement removal operations.

The Contractor shall fill the holes created by the removal of the driveway pavement with aggregate base course (CA-6 crushed) so that the residents can use their driveways until the start of installation of the improvements. The cost of the aggregate base course will be included in the cost of the item of work being constructed.

Materials for the hot-mix asphalt driveway pavement shall consist of the following:

- Private Entrance: Two inches (2") of hot-mix asphalt surface course + six inches (6") of hot-mix asphalt base course
- Commercial Entrance: Two inches (2") of hot-mix asphalt surface course + eight inches (8") of hot-mix asphalt base course

The hot-mix asphalt driveway surface shall produce a tight surface conforming to the grade of the adjacent area. The hot-mix asphalt surface to remain shall be saw-cut in a neat, straight line.

Prior to replacement with the hot-mix asphalt driveway pavement, the exposed base course shall be shaped, compacted, and primed including the exposed edge of the hot-mix asphalt surface remaining to the satisfaction of the Engineer. Additional crushed aggregate (CA-6 gradation) base course may be required in the preparation of the base course as indicated above. Any additional aggregate base course required for the preparation of the base and filling of depressions created by the construction shall be considered included to this pay item.

This work will be paid for at the contract unit price per SQUARE YARD for HOT-MIX ASPHALT DRIVEWAY, of the thickness specified, which price shall include saw cutting and the removal and disposal of the existing driveway pavement.

FRICTION AGGREGATE (D-1)
Effective: January 1, 2011
Revised: April 29, 2016

Revise Article 1004.03(a) of the Standard Specifications to read:

"1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA). The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

Use	Mixture	Aggregates Allowed

Use	Mixture	Aggregates Allowed
Class A	Seal or Cover	Allowed Alone or in Combination [5/]: Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag Crushed Concrete
HMA Low ESAL	Stabilized Subbase or Shoulders	Allowed Alone or in Combination [5/]: Gravel Crushed Gravel Carbonate Crushed Stone Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[1/] Crushed Concrete
HMA High ESAL Low ESAL	Binder IL-19.0 or IL-19.0L SMA Binder	Allowed Alone or in Combination [5/ 6/]: Crushed Gravel Carbonate Crushed Stone[2/] Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Concrete[3/]
HMA High ESAL Low ESAL	C Surface and Leveling Binder IL-9.5 or IL-9.5L SMA Ndesign 50 Surface	Allowed Alone or in Combination [5/]: Crushed Gravel Carbonate Crushed Stone[2/] Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag[4/] Crushed Concrete[3/]

<table>
<tr><th>Use</th><th>Mixture</th><th colspan="2">Aggregates Allowed</th></tr>
<tr><td rowspan="5">HMA
High ESAL</td><td rowspan="5">D Surface and Leveling Binder IL-9.5

SMA
Ndesign 50
Surface</td><td colspan="2"><u>Allowed Alone or in Combination</u> [5/]:

Crushed Gravel
Carbonate Crushed Stone (other than Limestone)[2/]
Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)
Crushed Steel Slag[4/]
Crushed Concrete[3/]</td></tr>
<tr><td colspan="2"><u>Other Combinations Allowed:</u></td></tr>
<tr><td>Up to...</td><td>With...</td></tr>
<tr><td>25% Limestone</td><td>Dolomite</td></tr>
<tr><td>50% Limestone</td><td>Any Mixture D aggregate other than Dolomite</td></tr>
<tr><td rowspan="5">HMA
High ESAL</td><td rowspan="5">E Surface
IL-9.5

SMA
Ndesign 80
Surface</td><td colspan="2"><u>Allowed Alone or in Combination</u> [5/ 6/]:

Crystalline Crushed Stone
Crushed Sandstone
Crushed Slag (ACBF)
Crushed Steel Slag

No Limestone.</td></tr>
<tr><td colspan="2"><u>Other Combinations Allowed:</u></td></tr>
<tr><td>Up to...</td><td>With...</td></tr>
<tr><td>50% Dolomite[2/]</td><td>Any Mixture E aggregate</td></tr>
<tr><td>75% Dolomite[2/]</td><td>Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone</td></tr>
</table>

Use	Mixture	Aggregates Allowed	
		75% Crushed Gravel[2/] or Crushed Concrete[3/]	Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag
HMA High ESAL	F Surface IL-9.5 SMA Ndesign 80 Surface	Allowed Alone or in Combination [5/ 6/]: Crystalline Crushed Stone Crushed Sandstone Crushed Slag (ACBF) Crushed Steel Slag No Limestone.	
		Other Combinations Allowed:	
		Up to...	*With...*
		50% Crushed Gravel[2/], Crushed Concrete[3/], or Dolomite[2/]	Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone

1/ Crushed steel slag allowed in shoulder surface only.
2/ Carbonate crushed stone (limestone) and/or crushed gravel shall not be used in SMA Ndesign 80. In SMA Ndesign 50, carbonate crushed stone shall not be blended with any of the other aggregates allowed alone in Ndesign 50 SMA binder or Ndesign 50 SMA surface.
3/ Crushed concrete will not be permitted in SMA mixes.
4/ Crushed steel slag shall not be used as leveling binder.
5/ When combinations of aggregates are used, the blend percent measurements shall be by volume."
6/ Combining different types of aggregate will not be permitted in SMA Ndesign 80."

HMA MIXTURE DESIGN REQUIREMENTS (D-1)
Effective: January 1, 2013
Revised: April 1, 2016

1) Design Composition and Volumetric Requirements

Revise the table in Article 406.06(d) of the Standard Specifications to read:

"MINIMUM COMPACTED LIFT THICKNESS	
Mixture Composition	Thickness, in. (mm)
IL-4.75	3/4 (19)
SMA-9.5, IL-9.5, IL-9.5L	1 1/2 (38)
SMA-12.5	2 (50)
IL-19.0, IL-19.0L	2 1/4 (57)"

Revise the table in Article 1004.03(c) of the Standard Specifications to read:

"Use	Size/Application	Gradation No.
Class A-1, 2, & 3	3/8 in. (10 mm) Seal	CA 16
Class A-1	1/2 in. (13 mm) Seal	CA 15
Class A-2 & 3	Cover	CA 14
HMA High ESAL	IL-19.0 IL-9.5	CA 11 1/ CA 16, CA 13 3/
HMA Low ESAL	IL-19.0L IL-9.5L Stabilized Subbase or Shoulders	CA 11 1/ CA 16
SMA 2/	1/2 in. (12.5mm) Binder & Surface IL 9.5 Surface	CA13 3/, CA14 or CA16 CA16, CA 13 3/

1/ CA 16 or CA 13 may be blended with the gradations listed.
2/ The coarse aggregates used shall be capable of being combined with stone sand, slag sand, or steel slag sand meeting the FA/FM 20 gradation and mineral filler to meet the approved mix design and the mix requirements noted herein.
3/ CA 13 shall be 100 percent passing the 1/2 in. (12.5mm) sieve.

Revise Article 1004.03(e) of the Supplemental Specifications to read:

"(e) Absorption. For SMA the coarse aggregate shall also have water absorption ≤ 2.0 percent."

Revise the last paragraph of Article 1102.01 (a) (5) of the Standard Specifications to read:

"IL-4.75 and Stone Matrix Asphalt (SMA) mixtures which contain aggregate having absorptions greater

than or equal to 2.0 percent, or which contain steal slag sand, shall have minimum surge bin storage plus haul time of 1.5 hours."

Revise the nomenclature table in Article 1030.01 of the Standard Specifications to read:

"High ESAL	IL-19.0 binder; IL-9.5 surface; IL-4.75; SMA-12.5, SMA-9.5
Low ESAL	IL-19.0L binder; IL-9.5L surface; Stabilized Subbase (HMA)[1/]; HMA Shoulders[2/]

1/ Uses 19.0L binder mix.

2/ Uses 19.0L for lower lifts and 9.5L for surface lift."

Revise Article 1030.02 of the Standard Specifications and Supplemental Specifications to read:

"**1030.02 Materials.** Materials shall be according to the following.

Item	Article/Section	
(a)	Coarse Aggregate	1004.03
(b)	Fine Aggregate	1003.03
(c)	RAP Material	1031
(d)	Mineral Filler	1011
(e)	Hydrated Lime	1012.01
(f)	Slaked Quicklime (Note 1)	
(g)	Performance Graded Asphalt Binder (Note 2)	1032
(h)	Fibers (Note 3)	
(i)	Warm Mix Asphalt (WMA) Technologies (Note 4)	

Note 1. Slaked quicklime shall be according to ASTM C 5.

Note 2. The asphalt binder shall be an SBS PG 76-28 when the SMA is used on a full-depth asphalt pavement and SBS PG 76-22 when used as an overlay, except where modified herein. The asphalt binder shall be an Elvaloy or SBS PG 76-22 for IL-4.75, except where modified herein. The elastic recovery shall be a minimum of 80.

Note 3. A stabilizing additive such as cellulose or mineral fiber shall be added to the SMA mixture according to Illinois Modified AASHTO M 325. The stabilizing additive shall meet the Fiber Quality Requirements listed in Illinois Modified AASHTO M 325. Prior to approval and use of fibers, the Contractor shall submit a notarized certification by the producer of these materials stating they meet these requirements. Reclaimed Asphalt Shingles (RAS) may be used in Stone Matrix Asphalt (SMA) mixtures designed with an SBA polymer modifier as a fiber additive if the mix design with RAS included meets AASHTO T305 requirements. The RAS shall be from a certified source that produces either Type I or Type 2. Material shall meet requirements noted herein and the actual dosage rate will be determined by the Engineer.

Note 4. Warm mix additives or foaming processes shall be selected from the current Bureau of Materials and Physical Research Approved List, "Warm Mix Asphalt Technologies"."

Revise Article 1030.04(a)(1) of the Standard Specifications and the Supplemental Specifications to read:

" (1) High ESAL Mixtures. The Job Mix Formula (JMF) shall fall within the following limits.

High ESAL, MIXTURE COMPOSITION (% PASSING) 1/										
Sieve Size	IL-19.0 mm		SMA 4/ IL-12.5 mm		SMA 4/ IL-9.5 mm		IL-9.5 mm		IL-4.75 mm	
	min	max	min	max	min	max	min	max	min	max
1 1/2 in (37.5 mm)										
1 in. (25 mm)		100								
3/4 in. (19 mm)	90	100		100						
1/2 in. (12.5 mm)	75	89	80	100		100		100		100
3/8 in. (9.5 mm)				65	90	100	90	100		100
#4 (4.75 mm)	40	60	20	30	36	50	34	69	90	100
#8 (2.36 mm)	20	42	16	24 5/	16	32 5/	34 6/	52 2/	70	90
#16 (1.18 mm)	15	30					10	32	50	65
#30 (600 µm)			12	16	12	18				
#50 (300 µm)	6	15					4	15	15	30
#100 (150 µm)	4	9					3	10	10	18
#200 (75 µm)	3	6	7.0	9.0 3/	7.5	9.5 3/	4	6	7	9 3/
Ratio Dust/Asphalt Binder		1.0		1.5		1.5		1.0		1.0

1/ Based on percent of total aggregate weight.

2/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with Ndesign = 90.

3/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer.

4/ The maximum percent passing the #635 (20 µm) sieve shall be ≤ 3 percent.

5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above the percentage stated on the table.

6/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted below 34 percent.

Revise Article 1030.04(b)(1) of the Standard Specifications to read:

"(1) High ESAL Mixtures. The target value for the air voids of the HMA shall be 4.0 percent and for IL-4.75 it shall be 3.5 percent at the design number of gyrations. The VMA and VFA of the HMA design shall be based on the nominal maximum size of the aggregate in the mix, and shall conform to the following requirements.

VOLUMETRIC REQUIREMENTS High ESAL				
	Voids in the Mineral Aggregate (VMA), % minimum			Voids Filled with Asphalt Binder (VFA), %
Ndesign	IL-19.0	IL-9.5	IL-4.75[1/]	
50	13.5	15.0	18.5	65 – 78 [2/]
70				65 - 75
90				

1/ Maximum Draindown for IL-4.75 shall be 0.3 percent

2/ VFA for IL-4.75 shall be 72-85 percent"

Replace Article 1030.04(b)(3) of the Standard Specifications with the following:

"(3) SMA Mixtures.

Volumetric Requirements SMA [1/]			
Ndesign	Design Air Voids Target %	Voids in the Mineral Aggregate (VMA), % min.	Voids Filled with Asphalt (VFA), %
80 [4/]	3.5	17.0 [2/] 16.0 [3/]	75 - 83

1/ Maximum draindown shall be 0.3 percent. The draindown shall be determined at the JMF asphalt binder content at the mixing temperature plus 30 °F.

2/ Applies when specific gravity of coarse aggregate is ≥ 2.760.

3/ Applies when specific gravity of coarse aggregate is < 2.760.

4/ Blending of different types of aggregate will not be permitted.

For surface course, the coarse aggregate can be crushed steel slag, crystalline crushed stone or crushed sandstone. For binder course, coarse aggregate shall be crushed stone (dolomite), crushed gravel, crystalline crushed stone, or crushed sandstone.

Add to the end of Article 1030.05 (d) (2) a. of the Standard Specifications:

"During production, the Contractor shall test SMA mixtures for draindown according to AASHTO T305 at a frequency of 1 per day of production."

Delete last sentence of the second paragraph of Article 1102.01(a) (4) b. 2.

Add to the end of Article 1102.01 (a) (4) b. 2.:

"As an option, collected dust (baghouse) may be used in lieu of manufactured mineral filler according to the following:

(a.) Sufficient collected dust (baghouse) is available for production of the SMA mix for the entire project.

(b.) A mix design was prepared based on collected dust (baghouse).

2) Design Verification and Production

Revise Article 1030.04 (d) of the Standard Specifications to read:

"(d) Verification Testing. High ESAL, IL-4.75, and SMA mix designs submitted for verification will be tested to ensure that the resulting mix designs will pass the required criteria for the Hamburg Wheel Test (IL mod AASHTO T-324) and the Tensile Strength Test (IL mod AASHTO T-283). The Department will perform a verification test on gyratory specimens compacted by the Contractor. If the mix fails the Department's verification test, the Contractor shall make the necessary changes to the mix and resubmit compacted specimens to the Department for verification. If the mix fails again, the mix design will be rejected.

All new and renewal mix designs will be required to be tested, prior to submittal for Department verification and shall meet the following requirements:

(1) Hamburg Wheel Test criteria. The maximum allowable rut depth shall be 0.5 in. (12.5 mm). The minimum number of wheel passes at the 0.5 in. (12.5 mm) rut depth criteria shall be based on the high temperature binder grade of the mix as specified in the mix requirements table of the plans.

Illinois Modified AASHTO T 324 Requirements [1/]

Asphalt Binder Grade	# Repetitions	Max Rut Depth (mm)
PG 70 -XX (or higher)	20,000	12.5
PG 64 -XX (or lower)	10,000	12.5

1/ When produced at temperatures of 275 ± 5 °F (135 ± 3 °C) or less, loose Warm Mix Asphalt shall be oven aged at 270 ± 5 °F (132 ± 3 °C) for two hours prior to gyratory compaction of Hamburg Wheel specimens.

Note: For SMA Designs (N-80) the maximum rut depth is 6.0 mm at 20,000 repetitions.
For IL 4.75mm Designs (N-50) the maximum rut depth is 9.0mm at 15,000 repetitions.

(2) Tensile Strength Criteria. The minimum allowable conditioned tensile strength shall be 60 psi (415 kPa) for non-polymer modified performance graded (PG) asphalt binder and 80 psi (550 kPa) for polymer modified PG asphalt binder. The maximum allowable unconditioned tensile strength shall be 200 psi (1380 kPa)."

Production Testing. Revise first paragraph of Article 1030.06(a) of the Standard Specifications to read:

"(a) High ESAL, IL-4.75, WMA, and SMA Mixtures. For each contract, a 300 ton (275 metric tons) test strip, except for SMA mixtures it will be 400 ton (363 metric ton), will be required at the beginning of HMA production for each mixture with a quantity of 3000 tons (2750 metric tons) or more according to the Manual of Test Procedures for Materials "Hot Mix Asphalt Test Strip Procedures".

Add the following after the sixth paragraph in Article 1030.06 (a) of the Standard Specifications:

"The Hamburg Wheel test shall also be conducted on all HMA mixtures from a sample taken within the first 500 tons (450 metric tons) on the first day of production or during start up with a split reserved for the Department. The mix sample shall be tested according to the Illinois Modified AASHTO T 324 and shall meet the requirements specified herein. Mix production shall not exceed 1500 tons (1350 metric tons) or one day's production, whichever comes first, until the testing is completed and the mixture is found to be in conformance. The requirement to cease mix production may be waived if the plant produced mixture demonstrates conformance prior to start of mix production for a contract.
If the mixture fails to meet the Hamburg Wheel criteria, no further mixture will be accepted until the Contractor takes such action as is necessary to furnish a mixture meeting the criteria"

Method of Measurement:

Add the following after the fourth paragraph of Article 406.13 (b):

"The plan quantities of SMA mixtures shall be adjusted using the actual approved binder and surface Mix Design's G_{mb}."

Basis of Payment.

Replace the fourth paragraph of Article 406.14 of the Standard Specifications with the following:

"Stone matrix asphalt will be paid for at the contract unit price per ton (metric ton) for POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, of the mixture composition and Ndesign specified; and POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, of the mixture composition and Ndesign specified."

RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES (D-1)
Effective: November 1, 2012
Revise: April 1, 2017

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.

(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%	4.0%
No. 200	2.2%	4.0%
Asphalt Binder Content	0.3%	3.0%
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.

1031.06 Use of FRAP and/or RAS in HMA. The use of FRAP and/or RAS shall be the Contractor's option when constructing HMA in all contracts.

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

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

(2) Steel Slag Stockpiles. FRAP stockpiles containing steel slag or other expansive material, as determined by the Department, shall be homogeneous and will be approved for use in HMA (High ESAL and Low ESAL) mixtures regardless of lift or mix type.

(3) Use in HMA Surface Mixtures (High and Low ESAL). FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall have coarse aggregate that is Class B quality or better. FRAP shall be considered equivalent to limestone for frictional considerations unless produced/screened to minus 3/8 inch.

(4) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be FRAP in which the coarse aggregate is Class C quality or better.

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

(b) RAS. RAS meeting Type 1 or Type 2 requirements will be permitted in all HMA applications as specified herein.

(c) FRAP and/or RAS Usage Limits. Type 1 or Type 2 RAS may be used alone or in conjunction with FRAP in HMA mixtures up to a maximum of 5.0 percent by weight of the total mix.

When FRAP is used alone or FRAP is used in conjunction with RAS, the percent of virgin asphalt binder replacement (ABR) shall not exceed the amounts indicated in the table below for a given N Design.

Max Asphalt Binder Replacement for FRAP with RAS Combination

HMA Mixtures 1/ 2/ 4/	Maximum % ABR		
Ndesign	Binder/Leveling Binder	Surface	Polymer Modified 3/
30L	50	40	30
50	40	35	30
70	40	30	30
90	40	30	30
4.75 mm N-50			40
SMA N-80			30

1/ For Low ESAL HMA shoulder and stabilized subbase, the percent asphalt binder replacement shall not exceed 50 % of the total asphalt binder in the mixture.

2/ When the binder replacement exceeds 15 % for all mixes, except for SMA and IL-4.75, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 % binder replacement using a virgin asphalt binder grade of PG64-22 will be reduced to a PG58-28). When constructing full depth HMA and the ABR is less than 15 %, the required virgin asphalt binder grade shall be PG64-28.

3/ When the ABR for SMA or IL-4.75 is 15 % or less, the required virgin asphalt binder shall be SBS PG76-22 and the elastic recovery shall be a minimum of 80. When the ABR for SMA or IL-4.75 exceeds 15%, the virgin asphalt binder grade shall be SBS PG70-28 and the elastic recovery shall be a minimum of 80.

4/ When FRAP or RAS is used alone, the maximum percent asphalt binder replacement designated on the table shall be reduced by 10 %.

1031.07 HMA Mix Designs. At the Contractor's option, HMA mixtures may be constructed utilizing RAP/FRAP and/or RAS material meeting the detailed requirements specified herein.

(a) FRAP and/or RAS. FRAP and /or RAS mix designs shall be submitted for verification. If additional FRAP or RAS stockpiles are tested and found to be within tolerance, as defined under "Evaluation of Tests" herein, and meet all requirements herein, the additional FRAP or RAS stockpiles may be used in the original design at the percent previously verified.

(b) RAS. Type 1 and Type 2 RAS are not interchangeable in a mix design. A RAS stone bulk specific gravity (Gsb) of 2.300 shall be used for mix design purposes.

1031.08 HMA Production. HMA production utilizing FRAP and/or RAS shall be as follows.

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 RAS and FRAP 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 during mix production, corrective actions fail to maintain FRAP, RAS or QC/QA test results within control tolerances or the requirements listed herein the Contractor shall cease production of the mixture containing FRAP or RAS and conduct an investigation that may require a new mix design.

(a) RAS. RAS shall be incorporated into the HMA mixture either by a separate weight depletion system or by using the RAP weigh belt. Either feed system shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes. The portion of RAS shall be controlled accurately to within ± 0.5 percent of the amount of RAS utilized. When using the weight depletion system, flow indicators or sensing devices shall be provided and interlocked with the plant controls such that the mixture production is halted when RAS flow is interrupted.

(b) HMA Plant Requirements. HMA plants utilizing FRAP and/or RAS 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 RAS and 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 RAS and FRAP material as a percent of the total mix to the nearest 0.1 percent.

h. Aggregate RAS and FRAP moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAS and FRAP are printed in wet condition.)

i. When producing mixtures with FRAP and/or RAS, a positive dust control system

shall be utilized.

j. Accumulated mixture tonnage.

k. Dust Removed (accumulated to the nearest 0.1 ton (0.1 metric ton))

(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).

f. RAS and FRAP weight to the nearest pound (kilogram).

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

h. Residual asphalt binder in the RAS and 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.

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."

UTILITY POLE BRACING

Utility Pole Bracing may be required during construction to protect existing utility poles. The Contractor is responsible for proper utility pole bracing.

The work will be measured for payment for EACH Utility Pole Bracing.

The work will be paid for per EACH UTILITY POLE BRACING.

INDIVIDUAL UTILITY PERMIT BOND

The Contractor shall be responsible for the application and securing of an IDOT Individual Utility Permit Bond for the project. The Contractor will need to coordinate with the Village and IDOT to assure full compliance with the permit and bond application process. The Individual Utility Permit Bond has been included as an attachment to the Special Provisions and has been set by IDOT to be $100,000.00.

The Contractor will be required to submit digital pictures on a disk of the project showing all Right-of-Way that will be affected and referenced for the projects stationing. All photos must be on file with IDOT before the permit is processed.

This work will not be paid for separately and shall be included in the cost of the contract.

COARSE AGGREGATE QUALITY

Revise Article 1004.01(b) of the Standard Specifications to read:

"(b) Quality. The coarse aggregate shall be according to the quality standards listed in the following table.

COARSE AGGREGATE QUALITY				
QUALITY TEST	CLASS			
	A	B	C	D
Na2SO4 Soundness 5 Cycle, ITP 104 1/, % Loss max.	15	15	20	25 2/
Los Angeles Abrasion, ITP 96 11/, % Loss max.	40 3/	40 4/	40 5/	45
Minus No. 200 (75 µm) Sieve Material, ITP 11	1.0 6/	---	2.5 7/	---
Deleterious Materials 10/				
Shale, % max.	1.0	2.0	4.0 8/	---
Clay Lumps, % max.	0.25	0.5	0.5 8/	---
Coal & Lignite, % max.	0.25	---	---	---
Soft & Unsound Fragments, % max.	4.0	6.0	8.0 8/	---
Other Deleterious, % max.	4.0 9/	2.0	2.0 8/	---
Total Deleterious, % max.	5.0	6.0	10.0 8/	---
Oil-Stained Aggregate 10/, % max	5.0	---	---	

1/ Does not apply to crushed concrete.

2/ For aggregate surface course and aggregate shoulders, the maximum percent loss shall be 30.

Crossed out information in red box relocated to Page 33 by Addendum No. 1

Shale, % max.	1.0	2.0	4.0 8/	---
Clay Lumps, % max.	0.25	0.5	0.5 8/	---
Coal & Lignite, % max.	0.25	---	---	---
Soft & Unsound Fragments, % max.	4.0	6.0	8.0 8/	---
Other Deleterious, % max.	4.0 9/	2.0	2.0 8/	---
Total Deleterious, % max.	5.0	6.0	10.0 8/	---
Oil-Stained Aggregate 10/, % max	5.0	---	---	-

1/ Does not apply to crushed concrete.

2/ For aggregate surface course and aggregate shoulders, the maximum percent loss shall be 30.

3/ For portland cement concrete, the maximum percent loss shall be 45.

4/ Does not apply to crushed slag or crushed steel slag.

5/ For hot-mix asphalt (HMA) binder mixtures, except when used as surface course, the maximum percent loss shall be 45.

6/ For crushed aggregate, if the material finer than the No. 200 (75 µm) sieve consists of the dust from fracture, essentially free from clay or silt, this percentage may be increased to 2.5.

7/ Does not apply to aggregates for HMA binder mixtures.

8/ Does not apply to Class A seal and cover coats.

9/ Includes deleterious chart. In gravel and crushed gravel aggregate, deleterious chert shall be the lightweight fraction separated in a 2.35 heavy media separation. In crushed stone aggregate, deleterious chart shall be the lightweight fraction separated in a 2.55 heavy media separation. Tests shall be run according to ITP 113.

10/ Test shall be run according to ITP 203.

11/ Does not apply to crushed slag.

All varieties of chart contained in gravel coarse aggregate for portland cement concrete, whether crushed or uncrushed, pure or impure, and irrespective of color, will be classed as chart and shall not be present in the total aggregate in excess of 25 percent by weight (mass).

Aggregates used in Class BS concrete (except when poured on subgrade), Class PS concrete, and Class PC concrete (bridge superstructure products only, excluding the approach slab) shall contain no more than two percent by weight (mass) of deleterious materials. Deleterious materials shall include substances whose disintegration is accompanied by an increase in volume which may cause spalling of the concrete."

CONSTRUCTION LAYOUT STAKING

Special Wastes Plans and Reports shall be prepared in accordance with Check Sheet #10 of the Supplemental Specifications and Recurring Special Provisions of the Standard Specifications.

The work will be paid as a LUMP SUM in accordance with Check Sheet #10 of the Supplemental Specifications and Recurring Special Provisions of the Standard Specifications.

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

SPECIAL PROVISION
FOR
INSURANCE (LR 107-4)

Effective: February 1, 2007
Revised: August 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

Village of Homer Glen

HR Green, Inc.

The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.

Illinois Department of Transportation

Region One Utility Permit

Public Improvement ☒ Yes ☐ No
IDOT Permit No. _____
Utility Reference No. _____

I (We) Village of Homer Glen (Name of Applicant), 14933 South Founders Crossing (Mailing Address)

Homer Glen (City), IL 60491 (State & Zip), hereinafter termed the Permittee.

request permission and authority to occupy, and to do certain work herein described on, the right-of-way of the State highway

known as IL Rte 7 (159th Street), Section _____,

from Gouger Road to Cedar Road in Will County. The work is described in detail below and/or on the attached sketch or plans.

Install water main along above mentioned route. This work is within IDOT Contract # 60L71, IDOT Construction will determine when the subject work can commence. This work must be coordinated with the IDOT Resident Engineer. Please see back of permit for contact information.

This permit covers the operation and presence of specified equipment, material or facility on the right-of-way that may be related to the authorized work. **A copy must be present when crews or equipment occupy highway right-of way. Failure to comply is cause to stop all construction.**

This permit is subject to conditions and restrictions of Part 530 of Title 92 of the Illinois Administrative Code, Accommodation of Utilities on Right-of-Way of the Illinois State Highway System. **The removal, relocation or modification of facilities permitted to occupy the right-of-way is governed by Section 9-113 of the Illinois Highway Code, as amended by Public Act 92-0470. The Permittee agrees to comply with the requirements of these laws and with all terms and conditions established by this permit. This permit is subject to revocation by the Department on violation of the terms and conditions governing its use.**

Should you have any questions concerning this Utility Permit, please contact our Region One Utility Coordinator at (847) 705-4258, Fax # (847) 705-4597.

_____
Signature of Agent for Permittee — Date

_____
Name of Permittee (Print or Type)

Permit Applicant must notify the Department by email @ DOT.D1.UtilitiesUnit@illinois.gov 72 hours prior to the start of work & 72 hours after all work is complete. Failure to notify the Department prior to start of work can result in revocation of the permit.

_____
Mailing Address

_____
City — State — Zip

The work authorized by this permit shall be completed within _____ days *(by _____)* after the date of approval by the Department otherwise the permit will be considered null and void.

Public Improvement Projects only: The anticipated letting date is _____

This permit allowing occupancy and work on state right-of-way is approved. **The Utility Coordination Council established by the Department in the area covered by this permit is** Region One.

_____ _____
Deputy Director of Highways, Region One Engineer — Date

This permit is subject to the conditions and restrictions established in accordance with the Illinois Highway Code and Part 530 of Title 92 of the Illinois Administrative Code including but not limited to the following:

(1) The applicant represents all parties in interest and shall furnish material, do all work, pay all costs and shall in a reasonable length of time restore the damaged portions of the highway to a condition similar or equal to that existing before the commencement of the described work, including any ***landscape restoration*** necessary. (See Section 530.250 **of Title 92**).

(2) The proposed work shall be located and construction to the satisfaction of the District Engineer or his duly authorized representative. No revisions or additions shall be made to the proposed work on the right-of-way without the written permission of the District Engineer or his duly authorized representative (See Section 530.200 **of Title 92**). **In certain circumstances the Department may require that the construction plans and/or the as-built documents be sealed by an Illinois Registered Professional Engineer.** ***Typical of such projects would be petroleum or gas pipelines.***

(3) The applicant shall at all times conduct the work in such a manner as to minimize hazards to vehicular and pedestrian traffic. All signs, barricades, flaggers, etc., required for traffic control shall be furnished by the applicant. (See Section 530 240 **of Title 92**).

(4) The applicant must ascertain the presence of Highway Authority Agreements established in accordance with 35 Ill. Admin. Code Section 742.1020 in the path of its proposed installation and take precautions to protect its workers, human health and the environment in those areas. (See Section 530.240 **of Title 92**). Where contamination is encountered through excavation in the ROW, it should be managed offsite and IDOT's generator number for the appropriate county may be used.

(5) The applicant shall not trim, cut or in any way disturb any trees or shrubbery along the highway without the approval of the District Engineer or his duly authorized representative. (See Section 530.600 **of Title 92**).

(6) **The facilities authorized to occupy the right-of-way by this permit are subject to removal, relocation or modification by the permittee at no expense to the State on notice given by the Department in accordance with Section 9-113 of the Illinois Highway Code, as amended. Participation by the permittee in the UTILITY Coordination Council identified on page one of this permit is required as a condition of this permit. Permittee shall cooperate with the Department with the scheduling of any removal, relocation or modification deemed necessary for highway or highway safety purposes, and, if Utility Coordination Council participation is required by this permit, with the activities of the council identified on the first page of this permit. (See Section 9-113 of the Illinois Highway Code.)** ***Use of and compliance with current IDOT Traffic Control Standards will be required.***

(7) If the applicant and the District cannot agree either on whether the permit should be issued or on what conditions would be appropriate, the applicant may, within 30 days of the issuance of written notice of the District's position, appeal the District's determination to the Chief of the Department's Central Bureau of Operations. (See Section 530.900 **of Title 92**).

(8) **The permittee agrees to fully comply with the following legal obligations in advance of entering and while upon any Right-of-way within the Illinois State Highway System.**

- ***a) Only a permit issued by the Department under this Part will satisfy the "written consent" requirement of Section 9-113 of the Illinois Highway Code (the Code).***
- ***b) A permit from the Department grants a license only to undertake certain activities in accordance with this Part on a State right-of-way, and does not create a property right or grant authority to the permittee to impinge on the rights of others who may have an interest in the right-of-way. Such others might include an owner of an underlying fee simple interest if the right-of-way is owned as an easement or dedication of right of way, an owner of an easement, or another permittee.***
- ***c) It shall be the responsibility of the permittee to ascertain the presence and location of existing above-ground or underground facilities on the highway right-of-way to be occupied by their proposed facilities. The Department will make its permit records available to a permittee for the purpose of identifying possible facilities. When notified of an excavation or when requested by the Department, a permittee shall locate, physically mark, and indicate the depth of its underground facilities within 48 hours excluding weekends and holidays.***
- ***d) The permittee shall avoid conflicts with any existing underground or above-ground facilities on or near the highway right-of-way. Both the Department and J.U.L.I.E. are to be contacted for assistance during the application process.***
- ***e) The permittee shall comply with all other applicable laws relating to the placement of utility lines.***
- ***f) The issuance of a utility permit by the Department does not excuse the permittee from complying with any existing statutes, local regulations or requirements of other Department (e.g., oversize and overweight vehicles) or the requirements of other State agencies including, but not limited to, the following:***

  Illinois Commerce Commission, Illinois Department of Agriculture
  Illinois Department of Natural Resources, Illinois Department of Mines and Minerals
  Illinois Environmental Protection Agency, Illinois Historic Preservation Agency

- ***g) Rights of abutting and underlying property owners are protected by common law and Sections 9-113 and 9-127 of the Code. The permittee will address these rights prior to initiating activities on State right-of-way. The Department will not be a party in any negotiations between the utility and abutting property owners.***
- ***h) In no case shall the permit give or be construed to give an entity any easement, leasehold or other property interest of any kind in, upon, under, above or along the State highway right-of-way.***
- ***i) Each person responsible for a utility, in place on the effective date of this Part, on a State highway right-of-way shall notify the Department in writing, if that facility does not comply with this Part. The Department shall treat such a notice as a request for a variance under Section 530.130. Until informed that a variance will not be granted, a person responsible for a pre-existing utility will not be in violation of this Part. The failure to provide such notice constitutes a violation of this Part and of the utility accommodation permit (if any) and would justify the imposition of the sanctions set forth in Section 530.810.***

Work to be coordinated with Department Representatives:

Ali Ewidah — Phone (847)636-1762
IDOT Resident Engineer (Public Improvements)

Joliet Yard — Phone (815)722-6652
IDOT Maintenance Yard

Utility Contact Person: _____ Phone ( )

Work to be done by:

Contractor: _____

Daytime Phone: ( ) _____ Emergency Phone: ( ) _____

Traffic control operation:

Number of lane closures: _____ Time of closures: _____

UTILITY PERMIT CONTINUED # _____

_____ Village of Homer Glen
Contractor Applicant

This permit is issued only with the express understanding that the Applicant has satisfied all requirements of the Illinois Environmental Protection Agency, Division of Public Water Supplies.

The subject installation and appurtenant structures thereto shall adhere in every detail to the marked and approved plan or record identified as EXHIBIT "A" and revisions, attached hereto and made a part thereof.

Any sidewalk or driveways damaged by this work is to be replaced within the timeframe of the permit. A temporary walk or driveway must be provided and maintained during the construction period. The existing drainage of the highway must be preserved. All manhole frames and covers shall be set flush with existing ground. Right of way shall be satisfactorily restored. This includes replacement of culverts and the proper grading of ditches. All landscaping removed or damaged shall be replaced in kind.

The latest edition of the State Standard Specifications for Road and Bridge Construction, and amendments thereto, as they relate to the construction practice and quality workmanship and materials, shall apply to this work except when modified by conditions, restrictions, and special provisions outlined in the attached Permit Specifications.

A properly executed bond has been submitted by the Contractor to insure fulfillment of the obligations assumed under this permit.

The applicant shall assume all liability for interference with existing utilities in, along or upon said highway. Utility companies to be notified before construction commences.

A satisfactorily executed resolution has been submitted by the municipality, where applicable.

It is a condition of this permission that a copy of this permit be on the project site during all work. Failure to comply is cause to stop all construction.

SIGNATURES:

_____ _____
Contractor Applicant

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Illinois Department of Transportation

Individual Utility Permit Bond

Bond No. _____

We _____ , _____
(Mailing Address)

as Permittee, and _____ , as Surety, do hereby guarantee performance of the work described in the Illinois Department of Transportation Utility Permit number _____ which grants permission and authority to perform that work upon or adjacent to IL 7 Gouger Road to Cedar Road, in Will County in accordance with the terms and description in the permit and sketch and with Part 530 of Title 92 of the Illinois Administrative Code, Accommodation of Utilities on Right-of-Way of the Illinois State Highway System.

If the Permittee performs the work in accordance with the terms and conditions of and description in the permit and sketch and with Part 530 of Title 92 of the Illinois Administrative Code, Accommodation of Utilities on Right-of-Way of the Illinois State Highway System, no claim or demand will be made against this bond's monetary obligation. Otherwise, the Surety is liable to the Department for all expenses incurred in any action in which it prevails against the Permittee or Surety.

Surety's monetary responsibility under this bond is limited to $100,000.00 and shall also be the responsibility of its successors and assigns for five years.

Surety shall provide written notice to the Illinois Secretary of Transportation at least 30 days prior to the inability (due to dissolution or otherwise) of Surety to fulfill its commitments under this bond. Permittee and Surety have a joint and severable responsibility to replace Surety within the 30 day period with another Surety acceptable to the department.

By our signatures below, we commit ourselves to the terms and the conditions of this bond:

_____ Signature of Agent for Surety	_____ Signature of Agent for Permittee
_____ Name of Surety (Print or Type)	_____ Name of Permittee (Print or Type)
_____ Mailing Address	_____ Mailing Address
_____ City State Zip	_____ City State Zip
( )_____ Telephone Number	_____ Date
( )_____ Telephone Number	_____ Date