Illinois Department of Transportation

Local Public Agency
Formal Contract

Village

PROPOSAL SUBMITTED BY		
AUSTIN TYLER CONSTRUCTION, INC.		
Contractor's Name		
23343 S. RIDGE RD.		
Street		P.O. Box
ELWOOD	IL	60421
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 FIDDYMENT CREEK SANITARY SEWER PROJECT

TYPES OF FUNDS GENERAL VILLAGE FUNDS

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

For Municipal Projects
Submitted/Approved/Passed

☒ Mayor ☐ President of Board of Trustees ☒ Municipal Official

Date July 31, 2018

County WILL

Local Public Agency VILLAGE OF HOMER GLEN

Section Number

Route FIDDYMENT CREEK

1. THIS AGREEMENT, made and concluded the 31st day of JULY, 2018 (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 AUSTIN TYLER CONSTRUCTION, INC. 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~~ Fiddyment Creek Sanitary Sewer, 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)

AUSTIN TYLER CONSTRUCTION, INC. SEAL ELWOOD, IL.

The 31st of JULY, 2018

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

(If a Corporation)

Corporate Name AUSTIN TYLER CONSTRUCTION, INC.

By _____
President — Party of the Second Part

(If a Co-Partnership)

Attest: _____
Secretary

VILLAGE OF HOMER GLEN CORPORATE SEAL HOMER GLEN, WILL COUNTY, IL

_____

Partners doing Business under the firm name of

_____
Party of the Second Part

(If an individual)

_____
Party of the Second Part

Illinois Department of Transportation

Bond # ASA1928-10766

Contract Bond

Route FIDDYMENT CREEK
County WILL
Local Agency VILLAGE OF HOMER GLEN
Section

We, AUSTIN TYLER CONSTRUCTION, INC.

23343 SOUTH RIDGE ROAD, ELWOOD, IL 60421

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

as PRINCIPAL, and Hudson Insurance Company 100 William St. New York, N.Y. 10038

as SURETY,

are held and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of
Two Million Five Hundred Forty-two Thousand Three Hundred Eighty-eight Dollars and no cents

Dollars ($2,542,388.00), 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 31st day of JULY A.D. 2018

PRINCIPAL

AUSTIN TYLER CONSTRUCTION, INC.
(Company Name)

By: _____ President
(Signature & Title)

Attest: _____ Secretary
(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 ILLINOIS,

COUNTY OF Will

I, Thomas J. Pelsi, a Notary Public in and for said county, do hereby certify that

Gary S. Schuman & Ronald A. Plunk

(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 31st day of JULY A.D. 2018

My commission expires Feb 10, 2019

_____ (SEAL)
Notary Public

OFFICIAL SEAL
THOMAS J PELSI
Notary Public - State of Illinois
My Commission Expires Feb 10, 2019

SURETY

Hudson Insurance Company
(Name of Surety)

By: _____
(Signature of Attorney-in-Fact)

STATE OF ILLINOIS.

COUNTY OF Kendall

I, Maureen Rott
Lynn M. Blaylock, a Notary Public in and for said county, do hereby certify that

(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 31st day of JULY A.D. 2018

My commission expires 2-4-2022

_____ (SEAL)
Notary Public

MAUREEN ROTT
"OFFICIAL SEAL"
My Commission Expires
February 4, 2022

Approved this 31st day of JULY, A.D. 2018

Attest: _____
Village Clerk

VILLAGE OF HOMER GLEN
(Awarding Authority)

_____
George Yukich, (President)

IL 494-0372

BLR 12321 (Rev. 7/05)

21767

HUDSON INSURANCE GROUP®

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That HUDSON INSURANCE COMPANY, a corporation of the State of Delaware, with offices at 100 William Street, New York, New York, 10038, has made, constituted and appointed, and by these presents, does make, constitute and appoint

Lewis Mark Spangler, Lynn M. Blaylock, Dawn-Denise Szpisjak and Maureen Rott of the State of Illinois

its true and lawful Attorney(s)-in-Fact, at New York, New York, each of them alone to have full power to act without the other or others, to make, execute and deliver on its behalf, as Surety, bonds and undertakings given for any and all purposes, also to execute and deliver on its behalf as aforesaid renewals, extensions, agreements, waivers, consents or stipulations relating to such bonds or undertakings provided, however, that no single bond or undertaking shall obligate said Company for any portion of the penal sum thereof in excess of the sum of **Ten Million Dollars ($10,000,000.00).**

Such bonds and undertakings when duly executed by said Attorney(s)-in-Fact, shall be binding upon said Company as fully and to the same extent as if signed by the President of said Company under its corporate seal attested by its Secretary.

In Witness Whereof, HUDSON INSURANCE COMPANY has caused these presents to be of its Senior Vice President thereunto duly authorized, on this 7th day of November, 20 17 at New York, New York.

(Corporate Seal)

HUDSON INSURANCE COMPANY

Attest.....
Dina Daskalakis
Corporate Secretary

By.....
Michael P. Cifone
Senior Vice President

STATE OF NEW YORK
COUNTY OF NEW YORK. SS.

On the 7th day of November, 20 17 before me personally came Michael P. Cifone to me known, who being by me duly sworn did depose and say that he is a Senior Vice President of **HUDSON INSURANCE COMPANY**, the corporation described herein and which executed the above instrument, that he knows the seal of said Corporation, that the seal affixed to said instrument is such corporate seal, that it was so affixed by order of the Board of Directors of said Corporation, and that he signed his name thereto by like order.

(Notarial Seal)

ANN M. MURPHY
NOTARY PUBLIC
STATE OF NEW YORK

.....
ANN M. MURPHY
Notary Public, State of New York
No. 01MU6067553
Qualified in Nassau County
Commission Expires December 10, 2021

CERTIFICATION

STATE OF NEW YORK
COUNTY OF NEW YORK SS.

The undersigned **Dina Daskalakis** hereby certifies:

That the original resolution, of which the following is a true and correct copy, was duly adopted by unanimous written consent of the Board of Directors of Hudson Insurance Company dated July 27th, 2007, and has not since been revoked, amended or modified:

"RESOLVED, that the President, the Executive Vice Presidents, the Senior Vice Presidents and the Vice Presidents shall have the authority and discretion, to appoint such agent or agents, or attorney or attorneys-in-fact, for the purpose of carrying on this Company's surety business, and to empower such agent or agents, or attorney or attorneys-in-fact, to execute and deliver, under this Company's seal or otherwise, bonds obligations, and recognizances, whether made by this Company as surety thereon or otherwise, indemnity contracts, contracts and certificates, and any and all other contracts and undertakings made in the course of this Company's surety business, and renewals, extensions, agreements, waivers, consents or stipulations regarding undertakings so made; and

FURTHER RESOVLED, that the signature of any such Officer of the Company and the Company's seal may be affixed by facsimile to any power of attorney or certification given for the execution of any bond, undertaking, recognizance, contract of indemnity or other written obligation in the nature thereof or related thereto, such signature and seal when so used whether heretofore or hereafter, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed."

THAT the above and foregoing is a full, true and correct copy of Power of Attorney issued by said Company, and of the whole of the original and that the said Power of Attorney is still in full force and effect and has not been revoked, and furthermore that the Resolution of the Board of Directors, set forth in the said Power of Attorney is now in force.

In Witness the hand of the undersigned and the seal of said Corporation this 31ST day of July, 20 18.

(Corporate Seal)

By.....
Dina Daskalakis, Corporate Secretary

RETURN WITH BID

County WILL
Local Public Agency VILLAGE OF HOMER GLEN
Section Number
Route FIDDYMENT CREEK

PROPOSAL

1. Proposal of Austin Tyler Construction, Inc.

for the improvement of the above section by the construction of Consists of sanitary sewer both trenched and trenchless installation and all necessary collateral work necessary to construct the improvements.

a total distance of _____ feet, of which a distance of 10,141 feet, (1.92 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 within _____ working days or by Task 1 – October 19, 2018 Task 2 – June 30, 2019 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 _____ be allowed as a proposal guaranty. Accompanying this proposal is either a bid bond if allowed, on Department form BLR 12230 or a proposal guaranty check, complying with the specifications, made payable to:

Village Treasurer of Homer Glen

The amount of the check is _____ (_____).

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 NA.

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.

SCHEDULE OF PRICES

County Will
Local Public Agency Village of Homer Glen
Section
Route Fiddyment Creek

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	2,542,388.00

Item No.	Items	Unit	Quantity	Unit Price	Total
1	TEMPORARY FENCE	FOOT	150	5.00	750.00
2	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	300	69.00	20,700.00
3	MULCH, METHOD 2	ACRE	7	2,600.00	18,200.00
4	EROSION CONTROL BLANKET (N.A.G. S75 OR EQUIVALENT)	SQ YD	4,870	1.00	4,870.00
5	TEMPORARY DITCH CHECKS	FOOT	80	15.00	1,200.00
6	PERIMETER EROSION BARRIER	FOOT	16,460	2.00	32,920.00
7	GRADING AND SHAPING DITCHES	FOOT	125	29.00	3,625.00
8	SEEDING (SPECIAL), CROP COVER	ACRE	7	500.00	3,500.00
9	SEEDING (SPECIAL), MESIC PRAIRIE	ACRE	2	1,390.00	2,780.00
10	SEEDING (SPECIAL), WOODLAND	ACRE	2	1,663.00	3,326.00
11	CLEARING AND GRUBBING	SQ YD	11,230	2.00	22,460.00
12	TREE REMOVAL, ACRES (SPECIAL)	ACRE	2	2,800.00	5,600.00
13	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE	SQ YD	160	71.00	11,360.00
14	SANITARY SEWER 10"	FOOT	5	72.00	360.00
15	SANITARY SEWER 12"	FOOT	4,430	93.00	411,990.00
16	SANITARY SEWER 15"	FOOT	3,543	98.00	347,214.00
17	SANITARY SEWER 18"	FOOT	20	845.00	16,900.00
18	SANITARY SEWER 12", TRENCHLESS	FOOT	927	295.00	273,465.00
19	SANITARY SEWER 15", TRENCHLESS	FOOT	520	463.00	240,760.00
20	SANITARY SEWER 18", TRENCHLESS	FOOT	1,014	585.00	593,190.00
21	CONNECTION TO EXISTING MANHOLE	EACH	1	10,230.00	10,230.00
22	DROP SANITARY MANHOLES, WITH TYPE 1 FRAME, CLOSED LID	EACH	3	10,370.00	31,110.00
23	MANHOLES, TYPE A, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED L	EACH	36	5,485.00	197,460.00
24	SANITARY MANHOLE, SPECIAL (METERING MANHOLE AND EQUIPMENT)	EACH	1	94,100.00	94,100.00
25	SANITARY SEWER SERVICE, 6" PVC, COMPLETE (STUB)	EACH	2	660.00	1,320.00
26	PLUG MECHANICAL JOINT 12"	EACH	6	336.00	2,016.00
27	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	14,390.00	14,390.00
28	PIPE CULVERT REMOVAL	FOOT	23	17.00	391.00
29	PIPE CULVERTS, CLASS C, TYPE 1 12"	FOOT	25	38.00	950.00
30	METAL FLARED END SECTIONS 12"	EACH	2	569.00	1,138.00
31	MOBILIZATION	L SUM	1	115,000.00	115,000.00

Bidder's Proposal for making Entire Improvements	2,542,388.00

Item No.	Items	Unit	Quantity	Unit Price	Total
32	DEWATERING	L SUM	1	15,853.00	15,853.00
33	EXPLORATION TRENCH, SPECIAL	FOOT	160	12.00	1,920.00
34	CONSTRUCTION LAYOUT	L SUM	1	8,700.00	8,700.00
35	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, B	EACH	20	544.00	10,880.00
36	TREE, PLATANUS OCCIDENTALIS (SYCAMORE), 2-1/2" CALIPER, BALLED	EACH	20	544.00	10,880.00
37	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLE	EACH	20	544.00	10,880.00

County WILL
Local Public Agency VILLAGE OF HOMER GLEN
Section Number
Route FIDDYMENT CREEK

SIGNATURES

(If an individual)

Signature of Bidder _____

Business Address _____

(If a partnership)

Firm Name _____

Signed By _____

Business Address _____

Inset Names and Addressed of All Partners _____

(If a corporation)

AUSTIN TYLER CONSTRUCTION, INC. SEAL ELWOOD, IL.

Corporate Name Austin Tyler Construction, Inc.

Signed By _____ President

Business Address 23343 S Ridge Road
Elwood, IL 60421

Insert Names of Officers

President Gary S. Schumal

Secretary Ronald A. Plunk

Treasurer _____

Attest: _____ Secretary

Apprenticeship or Training Program Certification

Return with Bid

Route FIDDYMENT CREEK
County WILL
Local Agency VILLAGE OF HOMER GLEN

All contractors are required to complete the following certification:

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

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

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

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

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

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

LABORERS LOCAL 75 - IL017 - 0602
OPERATORS LOCAL 150 - IL00878073
CEMENT FINISHERS LOCAL 11 - IL00489005

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

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

Bidder: **Austin Tyler Construction, Inc.**

By: _____ (Signature)

Address: 23343 S Ridge Road
Elwood, IL 60421

Title: **President**

Illinois Department of Transportation

Local Agency Proposal Bid Bond

Route FIDDYMENT CREEK
County Will
Local Agency Village of Homer Glen
Section _____

RETURN WITH BID

PAPER BID BOND

WE _____ as PRINCIPAL,

and _____ as SURETY,

are held jointly, severally and firmly bound unto the above Local Agency (hereafter referred to as "LA") in the penal sum of 5% of the total bid price, or for the amount specified in the proposal documents in effect on the date of invitation for bids whichever is the lesser sum. We bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly pay to the LA this sum under the conditions of this instrument.

WHEREAS THE CONDITION OF THE FOREGOING OBLIGATION IS SUCH that, the said PRINCIPAL is submitting a written proposal to the LA acting through its awarding authority for the construction of the work designated as the above section.

THEREFORE if the proposal is accepted and a contract awarded to the PRINCIPAL by the LA for the above designated section and the PRINCIPAL shall within fifteen (15) days after award enter into a formal contract, furnish surety guaranteeing the faithful performance of the work, and furnish evidence of the required insurance coverage, all as provided in the "Standard Specifications for Road and Bridge Construction" and applicable Supplemental Specifications, then this obligation shall become void; otherwise it shall remain in full force and effect.

IN THE EVENT the LA determines the PRINCIPAL has failed to enter into a formal contract in compliance with any requirements set forth in the preceding paragraph, then the LA acting through its awarding authority shall immediately be entitled to recover the full penal sum set out above, together with all court costs, all attorney fees, and any other expense of recovery.

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

Principal

_____ (Company Name)

By: _____ (Signature and Title)

_____ (Company Name)

By: _____ (Signature and Title)

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

Surety

_____ (Name of Surety)

By: _____ (Signature of Attorney-In-Fact)

STATE OF ILLINOIS,
COUNTY OF _____
I. _____, a Notary Public in and for said county,
do hereby certify that _____
(Insert names of individuals signing on behalf of PRINCIPAL & SURETY)

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

Given under my hand and notarial seal this _____ day of _____

My commission expires _____

_____ (Notary Public)

ELECTRONIC BID BOND

☐ **Electronic bid bond is allowed (box must be checked by LA if electronic bid bond is allowed)**
The Principal may submit an electronic bid bond, in lieu of completing the above section of the Proposal Bid Bond Form. By providing an electronic bid bond ID code and signing below, the Principal is ensuring the identified electronic bid bond has been executed and the Principal and Surety are firmly bound unto the LA under the conditions of the bid bond as shown above. (If PRINCIPAL is a joint venture of two or more contractors, an electronic bid bond ID code, company/Bidder name title and date must be affixed for each contractor in the venture.)

Electronic Bid Bond ID Code

_____ (Company/Bidder Name)

_____ (Signature and Title)

_____ Date

RETURN WITH BID

Affidavit of Illinois Business Office

County Will
Local Public Agency Village of Homer Glen
Route Fiddyment Creek

State of Illinois)
) ss.
County of Will)

I, Gary S. Schumal (Name of Affiant) of Elwood (City of Affiant), Illinois (State of Affiant),

being first duly sworn upon oath, states as follows:

1. That I am the President (officer or position) of Austin Tyler Construction, Inc. (bidder).
2. That I have personal knowledge of the facts herein stated.
3. That, if selected under this proposal, Austin Tyler Construction, Inc. (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)

Gary S. Schumal
(Print Name of Affiant)

This instrument was acknowledged before me on 19th day of June, 2018.

(SEAL)

OFFICIAL SEAL
THOMAS J PELSI
Notary Public - State of Illinois
My Commission Expires Feb 10, 2019

(Signature of Notary Public)

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 7/30/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Cottingham & Butler 1770 Park Street, Suite 210 Naperville IL 60563	CONTACT NAME: L. Mark Spangler PHONE (A/C, No, Ext): 630.420.3400 FAX (A/C, No): 630.420.8520 E-MAIL ADDRESS:

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : The Travelers Indemnity Company of America	25666
INSURER B : Travelers Casualty and Surety Company	19038
INSURER C : Great American Insurance Co.	16691
INSURER D : St Paul Surplus Lines Ins. Co.	30481
INSURER E :	
INSURER F :	

INSURED AUSTYL1
Austin Tyler Construction, Inc
Joliet Asphalt, LLC
23343 S. Ridge Road
Elwood IL 60421

COVERAGES **CERTIFICATE NUMBER:** 1113990281 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
B	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE [X] OCCUR X Contractual Liab GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [X] PRO-JECT [ ] LOC OTHER:	Y		SPS7H660325IND	5/31/2018	5/31/2019	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ 2,000,000 $ 300,000 $ 10,000 $ 2,000,000 $ 4,000,000 $ 4,000,000 $
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY [ ] SCHEDULED AUTOS X HIRED AUTOS ONLY [X] NON-OWNED AUTOS ONLY			8101C130860COF17	8/25/2018	8/25/2019	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ 1,000,000 $ $ $ $
C	X UMBRELLA LIAB [X] OCCUR EXCESS LIAB [ ] CLAIMS-MADE DED [X] RETENTION $ $10,000			TUU032404005	8/25/2018	8/25/2019	EACH OCCURRENCE AGGREGATE $	$ 30,000,000 $ 30,000,000 $
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N [N] If yes, describe under DESCRIPTION OF OPERATIONS below	N/A		DTHUB1C13086017	8/25/2018	8/25/2019	X PER STATUTE [ ] OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
A D	Inland Marine Pollution Liability Installation Floater			QT6601C964842COF16 ZEV41M8282117SK	8/25/2018 8/25/2018	8/25/2019 8/25/2019	Leased/Rented Site & Premises Installation Floater	$500,000 3,000,000 $750,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
re: Fiddyment Creek Sanitary Sewer
The Village of Homer Glen and HR Green, Inc. are additional insureds as respects general liability coverage for the work performed by the above insured as required by written contract, subject to the forms and endorsements attached to the policy.

CERTIFICATE HOLDER

Village of Homer Glen
14240 W. 151st Street
Homer Glen IL 60491

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED – AUTOMATIC STATUS IF REQUIRED BY WRITTEN CONTRACT (CONTRACTORS)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

1. The following is added to **SECTION II – WHO IS AN INSURED**:

   Any person or organization that:

   a. You agree in a "written contract requiring insurance" to include as an additional insured on this Coverage Part; and

   b. Has not been added as an additional insured for the same project by attachment of an endorsement under this Coverage Part which includes such person or organization in the endorsement's schedule;

   is an insured, but:

   a. Only with respect to liability for "bodily injury", "property damage" or "personal injury"; and

   b. Only as described in Paragraph **(1)**, **(2)** or **(3)** below, whichever applies:

   (1) If the "written contract requiring insurance" specifically requires you to provide additional insured coverage to that person or organization by the use of:

   (a) The Additional Insured – Owners, Lessees or Contractors – (Form B) endorsement CG 20 10 11 85; or

   (b) Either or both of the following: the Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10 10 01, or the Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 10 01;

   the person or organization is an additional insured only if the injury or damage arises out of "your work" to which the "written contract requiring insurance" applies;

   (2) If the "written contract requiring insurance" specifically requires you to provide additional insured coverage to that person or organization by the use of:

   (a) The Additional Insured – Owners, Lessees or Contractors – Scheduled Person or Organization endorsement CG 20 10 07 04 or CG 20 10 04 13, the Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 07 04 or CG 20 37 04 13, or both of such endorsements with either of those edition dates; or

   (b) Either or both of the following: the Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10, or the Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37, without an edition date of such endorsement specified;

   the person or organization is an additional insured only if the injury or damage is caused, in whole or in part, by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies; or

   (3) If neither Paragraph **(1)** nor **(2)** above applies:

   (a) The person or organization is an additional insured only if, and to the extent that, the injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies; and

   (b) The person or organization does not qualify as an additional insured with respect to the independent acts or omissions of such person or organization.

2. The insurance provided to the additional insured by this endorsement is limited as follows:
   a. If the Limits of Insurance of this Coverage Part shown in the Declarations exceed the minimum limits of liability required by the "written contract requiring insurance", the insurance provided to the additional insured will be limited to such minimum required limits of liability. For the purposes of determining whether this limitation applies, the minimum limits of liability required by the "written contract requiring insurance" will be considered to include the minimum limits of liability of any Umbrella or Excess liability coverage required for the additional insured by that "written contract requiring insurance". This endorsement will not increase the limits of insurance described in Section III – Limits Of Insurance.
   b. The insurance provided to the additional insured does not apply to "bodily injury", "property damage" or "personal injury" arising out of the rendering of, or failure to render, any professional architectural, engineering or surveying services, including:
      (1) The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders or change orders, or the preparing, approving, or failing to prepare or approve, drawings and specifications; and
      (2) Supervisory, inspection, architectural or engineering activities.
   c. The insurance provided to the additional insured does not apply to "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the "written contract requiring insurance" specifically requires you to provide such coverage for that additional insured during the policy period.
3. The insurance provided to the additional insured by this endorsement is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured. However, if the "written contract requiring insurance" specifically requires that this insurance apply on a primary basis or a primary and non-contributory basis, this insurance is primary to other insurance available to the additional insured under which that person or organization qualifies as a named insured, and we will not share with that other insurance. But the insurance provided to the additional insured by this endorsement still is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured when that person or organization is an additional insured, or is any other insured that does not qualify as a named insured, under such other insurance.
4. As a condition of coverage provided to the additional insured by this endorsement:
   a. The additional insured must give us written notice as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, such notice should include:
      (1) How, when and where the "occurrence" or offense took place;
      (2) The names and addresses of any injured persons and witnesses; and
      (3) The nature and location of any injury or damage arising out of the "occurrence" or offense.
   b. If a claim is made or "suit" is brought against the additional insured, the additional insured must:
      (1) Immediately record the specifics of the claim or "suit" and the date received; and
      (2) Notify us as soon as practicable.

      The additional insured must see to it that we receive written notice of the claim or "suit" as soon as practicable.
   c. The additional insured must immediately send us copies of all legal papers received in connection with the claim or "suit", cooperate with us in the investigation or settlement of the claim or defense against the "suit", and otherwise comply with all policy conditions.
   d. The additional insured must tender the defense and indemnity of any claim or "suit" to any provider of other insurance which would cover the additional insured for a loss we cover under this endorsement. However, this condition does not affect whether the insurance provided to the additional insured by this endorsement is primary to other insurance available to the additional insured which covers that person or organization as a named insured as described in Paragraph 3. above.
5. The following is added to the **DEFINITIONS** Section:

   "Written contract requiring insurance" means that part of any written contract or agreement under which you are required to include a person or or-

ganization as an additional insured on this Coverage Part, provided that the "bodily injury" and "property damage" occurs, and the "personal injury" is caused by an offense committed, during the policy period and:

a. After the signing and execution of the contract or agreement by you; and

b. While that part of the contract or agreement is in effect.

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 7/30/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Cottingham & Butler 1770 Park Street, Suite 210 Naperville IL 60563	CONTACT NAME: L. Mark Spangler PHONE (A/C, No, Ext): 630.420.3400 FAX (A/C, No): 630.420.8520 E-MAIL ADDRESS:
INSURED AUSTYL1 Austin Tyler Construction, Inc Joliet Asphalt, LLC 23343 S. Ridge Road Elwood IL 60421	INSURER(S) AFFORDING COVERAGE — NAIC # INSURER A : The Travelers Indemnity Company of America — 25666 INSURER B : Travelers Casualty and Surety Company — 19038 INSURER C : Great American Insurance Co. — 16691 INSURER D : INSURER E : INSURER F :

COVERAGES **CERTIFICATE NUMBER:** 765125158 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY	Y		DTCO1C130860COF17	8/25/2017	8/25/2018	EACH OCCURRENCE	$ 2,000,000
	CLAIMS-MADE [X] OCCUR						DAMAGE TO RENTED PREMISES (Ea occurrence)	$ 300,000
	X Contractual Liab						MED EXP (Any one person)	$ 10,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						PERSONAL & ADV INJURY	$ 2,000,000
	POLICY [X] PRO-JECT [ ] LOC						GENERAL AGGREGATE	$ 4,000,000
	OTHER:						PRODUCTS - COMP/OP AGG	$ 4,000,000
								$
A	AUTOMOBILE LIABILITY			8101C130860COF17	8/25/2017	8/25/2018	COMBINED SINGLE LIMIT (Ea accident)	$ 1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	$
	OWNED AUTOS ONLY / SCHEDULED AUTOS						BODILY INJURY (Per accident)	$
	X HIRED AUTOS ONLY / X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	$
								$
C	X UMBRELLA LIAB [X] OCCUR			TUU032404004	8/25/2017	8/25/2018	EACH OCCURRENCE	$ 20,000,000
	EXCESS LIAB [ ] CLAIMS-MADE						AGGREGATE	$ 20,000,000
	DED [X] RETENTION $ $10,000							$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y/N			DTHUB1C13086017	8/25/2017	8/25/2018	X PER STATUTE [ ] OTH-ER	
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) [N]	N/A					E.L. EACH ACCIDENT	$ 1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - EA EMPLOYEE	$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	$ 1,000,000
A	Inland Marine			QT6601C964842COF17	8/25/2017	8/25/2018	Leased/Rented	$500,000
B	Pollution Liability			ZCC81M6896A17SK	8/25/2017	8/25/2018	Site & Premises	3,000,000
	Installation Floater						Installation Floater	$750,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

re: Fiddyment Creek Sanitary Sewer

The Village of Homer Glen and HR Green, Inc. are additional insureds as respects general liability coverage for the work performed by the above insured as required by written contract, subject to the forms and endorsements attached to the policy.

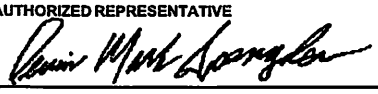
CERTIFICATE HOLDER

Village of Homer Glen
14240 W. 151st Street
Homer Glen IL 60491

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



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BLANKET ADDITIONAL INSURED – AUTOMATIC STATUS IF REQUIRED BY WRITTEN CONTRACT (CONTRACTORS)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

1. The following is added to **SECTION II – WHO IS AN INSURED:**

   Any person or organization that:

   a. You agree in a "written contract requiring insurance" to include as an additional insured on this Coverage Part; and

   b. Has not been added as an additional insured for the same project by attachment of an endorsement under this Coverage Part which includes such person or organization in the endorsement's schedule;

   is an insured, but:

   a. Only with respect to liability for "bodily injury", "property damage" or "personal injury"; and

   b. Only as described in Paragraph **(1)**, **(2)** or **(3)** below, whichever applies:

      (1) If the "written contract requiring insurance" specifically requires you to provide additional insured coverage to that person or organization by the use of:

         (a) The Additional Insured – Owners, Lessees or Contractors – (Form B) endorsement CG 20 10 11 85; or

         (b) Either or both of the following: the Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10 10 01, or the Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 10 01;

      the person or organization is an additional insured only if the injury or damage arises out of "your work" to which the "written contract requiring insurance" applies;

      (2) If the "written contract requiring insurance" specifically requires you to provide additional insured coverage to that person or organization by the use of:

         (a) The Additional Insured – Owners, Lessees or Contractors – Scheduled Person or Organization endorsement CG 20 10 07 04 or CG 20 10 04 13, the Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37 07 04 or CG 20 37 04 13, or both of such endorsements with either of those edition dates; or

         (b) Either or both of the following: the Additional Insured – Owners, Lessees or Contractors – Scheduled Person Or Organization endorsement CG 20 10, or the Additional Insured – Owners, Lessees or Contractors – Completed Operations endorsement CG 20 37, without an edition date of such endorsement specified;

      the person or organization is an additional insured only if the injury or damage is caused, in whole or in part, by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies; or

      (3) If neither Paragraph **(1)** nor **(2)** above applies:

         (a) The person or organization is an additional insured only if, and to the extent that, the injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies; and

         (b) The person or organization does not qualify as an additional insured with respect to the independent acts or omissions of such person or organization.

2. The insurance provided to the additional insured by this endorsement is limited as follows:
   a. If the Limits of Insurance of this Coverage Part shown in the Declarations exceed the minimum limits of liability required by the "written contract requiring insurance", the insurance provided to the additional insured will be limited to such minimum required limits of liability. For the purposes of determining whether this limitation applies, the minimum limits of liability required by the "written contract requiring insurance" will be considered to include the minimum limits of liability of any Umbrella or Excess liability coverage required for the additional insured by that "written contract requiring insurance". This endorsement will not increase the limits of insurance described in Section III – Limits Of Insurance.
   b. The insurance provided to the additional insured does not apply to "bodily injury", "property damage" or "personal injury" arising out of the rendering of, or failure to render, any professional architectural, engineering or surveying services, including:
      (1) The preparing, approving, or failing to prepare or approve, maps, shop drawings, opinions, reports, surveys, field orders or change orders, or the preparing, approving, or failing to prepare or approve, drawings and specifications; and
      (2) Supervisory, inspection, architectural or engineering activities.
   c. The insurance provided to the additional insured does not apply to "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the "written contract requiring insurance" specifically requires you to provide such coverage for that additional insured during the policy period.
3. The insurance provided to the additional insured by this endorsement is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured. However, if the "written contract requiring insurance" specifically requires that this insurance apply on a primary basis or a primary and non-contributory basis, this insurance is primary to other insurance available to the additional insured under which that person or organization qualifies as a named insured, and we will not share with that other insurance. But the insurance provided to the additional insured by this endorsement still is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured when that person or organization is an additional insured, or is any other insured that does not qualify as a named insured, under such other insurance.
4. As a condition of coverage provided to the additional insured by this endorsement:
   a. The additional insured must give us written notice as soon as practicable of an "occurrence" or an offense which may result in a claim. To the extent possible, such notice should include:
      (1) How, when and where the "occurrence" or offense took place;
      (2) The names and addresses of any injured persons and witnesses; and
      (3) The nature and location of any injury or damage arising out of the "occurrence" or offense.
   b. If a claim is made or "suit" is brought against the additional insured, the additional insured must:
      (1) Immediately record the specifics of the claim or "suit" and the date received; and
      (2) Notify us as soon as practicable.

      The additional insured must see to it that we receive written notice of the claim or "suit" as soon as practicable.
   c. The additional insured must immediately send us copies of all legal papers received in connection with the claim or "suit", cooperate with us in the investigation or settlement of the claim or defense against the "suit", and otherwise comply with all policy conditions.
   d. The additional insured must tender the defense and indemnity of any claim or "suit" to any provider of other insurance which would cover the additional insured for a loss we cover under this endorsement. However, this condition does not affect whether the insurance provided to the additional insured by this endorsement is primary to other insurance available to the additional insured which covers that person or organization as a named insured as described in Paragraph 3. above.
5. The following is added to the **DEFINITIONS** Section:

   "Written contract requiring insurance" means that part of any written contract or agreement under which you are required to include a person or or-

ganization as an additional insured on this Coverage Part, provided that the "bodily injury" and "property damage" occurs, and the "personal injury" is caused by an offense committed, during the policy period and:

a. After the signing and execution of the contract or agreement by you; and

b. While that part of the contract or agreement is in effect.

Illinois Department of Transportation

Check Sheet For Recurring Special Provisions

The Following Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Recurring Special Provisions

Check Sheet #			Page No.
1	☐	Additional State Requirements for Federal-Aid Construction Contracts	64
2	☐	Subletting of Contracts (Federal-Aid Contracts)	67
3	☐	EEO	68
4	☐	Specific EEO Responsibilities Non Federal-Aid Contracts	78
5	☐	Required Provisions - State Contracts	83
6	☐	Asbestos Bearing Pad Removal	89
7	☐	Asbestos Waterproofing Membrane and Asbestos Hot-Mix Asphalt Surface Removal	90
8	☐	Temporary Stream Crossings and In-Stream Work Pads	91
9	☒	Construction Layout Stakes Except for Bridges	92
10	☐	Construction Layout Stakes	95
11	☐	Use of Geotextile Fabric for Railroad Crossing	98
12	☐	Subsealing of Concrete Pavements	100
13	☐	Hot-Mix Asphalt Surface Correction	104
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16	☐	Polymer Concrete	109
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The Following Local Roads And Streets Recurring Special Provisions Indicated By An "X" Are Applicable To This Contract And Are Included By Reference:

Local Roads And Streets Recurring Special Provisions

INDEX OF SPECIAL PROVISIONS

LOCAL ROADS SPECIAL PROVISIONS

BDE SPECIAL PROVISIONS

PREVAILING WAGE RATES

STORM WATER PREVENTION POLLUTION PLAN (SWPPP)

NOTICE OF INTENT (NOI)

SPECIAL PROVISIONS

The following Special Provisions supplement the Illinois Department of Transportation's (IDOT) "Standard Specifications for Road and Bridge Construction," adopted April 1, 2016, (hereinafter referred to as the "Standard Specifications"); the "Manual on Uniform Traffic Control Devices for Streets and Highways" the "Manual of Test Procedures of Materials", in effect on the date of invitation for bids; the "Supplemental Specifications and Recurring Special Provisions," latest edition as indicated on the Check Sheet included herein, and Standard Specifications for Water and Sewer Main Construction in Illinois, latest edition, which apply to and govern the improvements of the Village of Homer Glen Fiddyment Creek Sanitary Sewer Project, Will County, Illinois. In case of conflict with any or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

LOCATION OF IMPROVEMENT

This project consists of construction sanitary sewer along Fiddyment Creek between Gougar Road and Cedar Road. The gross length of the improvement is 10,141 feet (1.92 miles)

DESCRIPTION OF IMPROVEMENT

The work shall include, but not limited to, installation of sanitary sewer, trees, restoration, and all incidental and collateral work necessary to complete the improvements as described herein.

MAINTENANCE OF ROADWAYS

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

Beginning on the date that the Contractor begins work on this project, he shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

If items of work have not been provided for in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

STATUS OF UTILITIES (D-1)

Effective: June 1, 2016

Utility companies and/or municipal owners located within the construction limits of this project have provided the following information in regard to their facilities and the proposed improvements. The tables below contain a description of specific conflicts to be resolved and/or facilities which will require some action on the part of the Department's contractor to proceed with work. Each table entry includes an identification of the action necessary and, if applicable, the estimated duration required for the resolution.

UTILITIES TO BE WATCHED AND PROTECTED

The areas of concern noted below have been identified by following the suggested staging plan included for the contract. The information provided is not a comprehensive list of all remaining utilities, but those which during coordination were identified as ones which might require the Department's contractor to take into

consideration when making the determination of the means and methods that would be required to construct the proposed improvement. In some instances the contractor will be responsible to notify the owner in advance of the work to take place so necessary staffing on the owners part can be secured.

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

Name of Utility	Type	Location	Description
Nicor Gas 1844 Ferry Road Naperville, IL 60563 Attn: Bruce Koppang 630-388-3046	Gas	Gougar Road	No conflict anticipated
Wolverine Pipeline 8075 Creekside Dr, #210 Portage, MI 49024 Attn: Scott Smith 815-325-5357	Oil	Station 4+00 Station 61+50	No conflict anticipated
Chicap Pipeline	Oil	Station 69+00	No conflict anticipated
H.P. Tepco	Oil	Station 68+00	No conflict anticipated
BP Attn: Alice Johnson 630-536-2519	Oil	Station 68+00	No conflict anticipated
Monee-Lemont Pipeline	Oil	Station 4+00 Station 61+50	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 five (5) 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 days required for conflict resolution should be taken into account in the bid as this information has also been factored into the timeline identified for the project when setting the completion date. The applicable portions of the Standard Specifications for Road and Bridge Construction shall apply.

COMPLETION DATE PLUS WORKING DAYS

Task 1 shall be completed by October 19, 2018 and Task 2 shall be completed by June 30, 2019; if the Contractor fails to complete the work by the above-specified dates, the Contractor will be charged $2,500 per each calendar day over this date as liquidated damages. The completion date for this project shall be strictly adhered to or the Contractor will be charged the specified liquidated damages.

Task 1 includes the work to complete sewer installation from Station 0+00 to Station 16+00 and Station 200+00 to Station 205+72 as indicated on the drawings.

Task 2 includes the remainder of the work to complete the rest of the sewer installation as indicated on the drawings.

PRE-BID MEETING

The mandatory pre-bid meeting will be held on Tuesday June 12 at 10:00 a.m. at the Village of Homer Glen Village Hall at 14240 W. 151st Street.

REDUCTION IN THE SCOPE OF WORK

The Summary of Quantities is a listing of work to be completed. However, due to budgetary constraints the awarding authority reserves the right to reduce the scope of work to be completed under the contract in accordance with Article 104.02 of the Standard Specifications. No allowance will be made for delay or anticipated profits as the result of a decrease in the quantities of work to be performed. The Village also reserves the right to eliminate Roadway Lighting from the contract.

WORK HOURS

The Contractor must adhere to the Village ordinance work time schedule. Construction work may be performed Monday thru Friday during the hours of 7:00 a.m. to 7:00 p.m, and on Saturday during the hours of 8:00 a.m. to 5:00 p.m. No work may be performed prior or beyond this period without prior written approval from the Village.

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."

PIPE CULVERTS, CLASS C, TYPE 1, 12"

Description:
This work shall be performed in accordance with Sections 202, 502, 542, 550 and 551 of the Standard Specifications and shall include the installation of storm sewers or pipe culverts as shown in the plans or as directed by the Engineer. The work will include excavation, removal and disposal of unsuitable materials and storm sewer construction of the class and type specified.

Materials:
The proposed storm sewers or pipe culverts Class C, Type 1 shall consist of the installation of reinforced concrete pipe with rubber o-rings between pipes, bedding and initial backfill as shown on the plans. The initial backfill and trench backfill shall conform to IDOT approved CA-6 aggregate, crushed gravel or crushed stone.

Measurement and Basis of Payment.
This work will be paid for at the contract unit price per per FOOT for PIPE CULVERTS, of the class; size; and type specified, which shall include all labor, material, and equipment to complete the work as specified above.

PIPE CULVERT REMOVAL

Description.
This work shall include the removal and disposal of existing pipe culverts and pipe culvert headwalls at the locations shown in the plans or as directed by the Engineer in accordance with Section 501 of the Standard Specifications except as noted herein. No additional compensation will be provided for variance in pipe material, pipe type or type of headwall.

Add the following to the third paragraph of Article 501.04:
"As shown in the plans, existing headwalls or culvert aprons may consist of masonry, concrete, stone and/or timber, these items will be removed with the pipe culvert to accommodate construction activities.

Materials excavated for PIPE CULVERT REMOVAL, including headwalls, shall be removed and disposed of as included to this pay item."

Measurement and Basis of Payment.
This work will be paid for at the contract unit price per FOOT for PIPE CULVERT REMOVAL, regardless of size, depth, or type of material. The price shall include the removal of the existing pipe culvert headwalls as shown on the plans or as directed by the Engineer.

TREE REMOVAL, ACRES (SPECIAL)

Description.
CONTRACTOR shall completely remove tree above and below ground. This work shall be done as specified in IDOT SSRBC Section 201 CLEARING, TREE REMOVAL AND PROTECTION, CARE, AND REPAIR OF EXISTING PLANT MATERIAL of the IDOT SSRBC.

Trees to be removed will be determined by Engineer and Village and shall be marked. Contractor shall protect to prevent additional tree damage or removal.

Erect and maintain temporary fencing around drip line of individual trees or around perimeter drip line of groups of trees to remain before starting site clearing. Remove fence when construction is complete.

1. Do not store construction materials, debris, or excavated material within fenced area.
2. Do not permit vehicles, equipment, or foot traffic within fenced area.
3. Maintain fenced area free of weeds and trash.

Do not excavate within tree protection zones, unless otherwise indicated

Where excavation for new construction is required within tree protection zones, hand clear and excavate to minimize damage to root systems. Use narrow-tine spading forks, comb soil to expose roots, and cleanly cut roots as close to excavation as possible.

1. Cover exposed roots with burlap and water regularly.
2. Do not cut main lateral roots, or taproots; cut only smaller roots that interfere with installation. Cut roots with sharp pruning instruments; do not break or chop.

3. Temporarily support and protect roots from damage until they are permanently redirected and covered with soil.

4. Coat cut faces of roots more than 1 ½ inches in diameter with emulsified asphalt or other approved coating formulated for use on damaged plant tissues.

5. Backfill with soil as soon as possible.

Repair or replace trees and vegetation indicated to remain that are damaged by construction operations, in a manner approved by ENGINEER.

Tree protection shall not be paid for separately, but shall be considered incidental to TREE REMOVAL, ACRES (SPECIAL).

Method of Measurement

This work shall be measured in acres.

Basis of Payment.
This Work will be paid for at the contract unit price per ACRE price for TREE REMOVAL, ACRES (SPECIAL).

TRAFFIC CONTROL AND PROTECTION (SPECIAL)

All roads shall be kept open to traffic. The Contractor should take particular note of the applicable portions of Article 107.14 of the Standard Specifications. All signs, except those referring to daily lane closures, shall be post mounted in accordance with Standard 701901 for all projects that exceed four-day duration. Construction signs referring to daytime lane closures during working hours shall be removed, covered or turned away from the view of the motorists during non-working hours.

The Contractor shall furnish, erect, maintain and remove all signs, barricades, flaggers and other traffic control devices as may be necessary for the purpose of regulating, warning or guiding traffic. Placement and maintenance of all traffic control devices shall be in accordance with the applicable parts of Section 701 of the Standard Specifications, the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways and the Highway Standard contained herein.

Special attention is called to Article 107.09 and Section 701 of the Standard Specifications and the following Highways Standards, Supplemental Specifications, Details, Quality Standard for Work Zone Traffic Control Devices, Recurring Special Provisions, and Special Provisions contained herein relating to traffic control. It should be noted that Type I or Type II barricades will be required adjacent to the pavement in areas where a drop off of 3" or more occurs in accordance with Article 701.07.
Standards
701001, 701006, 701011, 701301, 701901, BLR 17-4, and BLR 22-7
Special Provisions
Maintenance of Roadways
Work Zone Traffic Control (LRS#3)
Flaggers in Work Zones (LRS#4)

The Contractor shall contact the Village at least 72 hours in advance of beginning work. Construction operations shall be conducted in a manner such that streets will be open to traffic at all times, and access to abutting property shall be maintained.

The Contractor shall be responsible for providing a proposed scheduling, phasing and traffic control plan. The Village will review these plans and provide the contractor with any necessary modifications in writing. The Contractor will then be responsible for incorporating these changes into the proposed scheduling, phasing and traffic control plan.

At the preconstruction meeting, the Contractor shall furnish the name and telephone number where he may be reached during non-working hours of the individual in his direct employ that is to be responsible for the installation and maintenance of the traffic control of this project. If the actual installation and maintenance are to be accomplished by a subcontractor, consent shall be requested of the Engineer at the time of the preconstruction meeting in accordance with Article 108.01 of the Standard Specifications. This shall not relieve the Contractor of the requirements to have a responsible individual in his direct employ supervise this work.

This work will be paid for at the contract LUMP SUM price for TRAFFIC CONTROL AND PROTECTION (SPECIAL).

CLEARING AND GRUBBING

Description: This work shall be done as specified in IDOT SSRBC Section 201 CLEARING, TREE REMOVAL AND PROTECTION, CARE, AND REPAIR OF EXISTING PLANT MATERIAL of the IDOT SSRBC.

Remove and dispose of obstructions, trees, shrubs, grass, and other vegetation to permit installation of new construction.

Do not remove trees, shrubs, and other vegetation indicated to remain or to be relocated.

Cut minor roots and branches of trees indicated to remain in a clean and careful manner where such roots and branches obstruct installation of new construction.

Grind stumps and remove roots, obstructions, and debris extending to a depth of 18 inches below exposed subgrade.

Use only hand methods for grubbing within tree protection zone

Chip removed tree branches and dispose of off-site.

Fill depressions caused by clearing and grubbing operations with satisfactory soil material unless further excavation or earthwork is indicated.

Place fill material in horizontal layers not exceeding a loose depth of 8 inches and compact each layer to a density equal to adjacent original ground.

Method of Measurement: This work shall be measured in square yards.

Basis of Payment: This Work will be paid for at the contract unit price per square yard price for CLEARING AND GRUBBING.

DEWATERING

Description: The CONTRACTOR shall provide design, furnish, install, test, operate, monitor, and maintain dewatering system of sufficient scope, size, and capacity to control hydrostatic pressures and to lower, control, remove, and dispose of ground water and permit excavation and construction to proceed on dry, stable subgrades.

The CONTRACTOR shall be responsible for complying with all State, local, and federal regulatory requirements.

Continuously monitor and maintain dewatering operations to ensure erosion control, stability of excavations

and constructed slopes, that excavation does not flood, and that damage to subgrades and permanent structures is prevented.

Prevent surface water from entering excavations by grading, dikes, or other means.

Accomplish dewatering without damaging existing buildings, structures, and site improvements adjacent to excavation.

Remove dewatering system when no longer required for construction.

The CONTRACTOR shall prevent surface water and ground water from entering excavations, from ponding on prepared subgrades, and from flooding Project site and surrounding area.

The CONTRACTOR shall protect subgrades from softening, undermining, washout, and damage by rain or water accumulation.

Reroute surface water runoff away from excavated areas. Do not allow water to accumulate in excavations. Do not use excavated trenches as temporary drainage ditches.

Install a dewatering system to keep subgrades dry and convey ground water away from excavations. Maintain until dewatering is no longer required.

Filtration Devices: The CONTRACTOR shall be required to filter all water from dewatering operations in all excavated areas throughout the project. The CONTRACTOR shall use filter bags or cartridge filter devices.

The CONTRACTOR, after providing adequate filtering capabilities, can discharge the filtered water into nearby ditches or storm sewers or natural drainage channels.

Filtered water shall be reasonably free of silt when it is discharged. The CONTRACTOR will be required to stop dewatering operations should there be any evidence that the filtering system is not functioning properly or not installed. Silt fencing or other forms of silt containment devices or methods will still be required to prevent any silty water during storm events from being dis-charged into the Fox River or tributaries and/or other surface waters.

Method of Measurement: This work shall be measured on a lump sum price basis.

Basis of Payment: The work shall be paid for at the contract unit price of a lump sum for DEWATERING. Shall include all of the work as specified above.

TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED

Description: This work shall be done as specified in IDOT SSRBC Section 254 PLANTING PERENNIAL PLANTS of the IDOT SSRBC.

The Contractor shall plant the trees in the location directed by the Engineer and the Village.

Method of Measurement: The work shall be measured per each tree.

Basis of Payment: The work shall be paid for at the contract unit price for each TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED.

TREE, PLATANUS OCCIDENTALIS (SYCAMORE), 2-1/2" CALIPER, BALLED AND BURLAPPED

Description: This work shall be done as specified in IDOT SSRBC Section 254 PLANTING PERENNIAL

PLANTS of the IDOT SSRBC.

The Contractor shall plant the trees in the location directed by the Engineer and the Village.

Method of Measurement: The work shall be measured per each tree.

Basis of Payment: The work shall be paid for at the contract unit price each TREE, PLATANUS OCCIDENTALIS (SYCAMORE), 2-1/2" CALIPER, BALLED AND BURLAPPED.

TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED

Description: This work shall be done as specified in IDOT SSRBC Section 254 PLANTING PERENNIAL PLANTS of the IDOT SSRBC.

The Contractor shall plant the trees in the location directed by the Engineer and the Village.

Method of Measurement: The work shall be measured per each tree.

Basis of Payment: The work shall be paid for at the contract unit price each TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED.

SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE

Description: Remove all vegetation and any objectionable material from the foundation area. Divert all surface runoff and drainage from the stabilized construction entrance to a sediment trap or basin. If necessary and/or required by the plans, install a culvert pipe across the entrance to provide positive drainage.

Place enough aggregate to support heaviest equipment on site (minimum 6") and protect existing and proposed pipe culverts from crushing.

Crushed aggregate, small enough to be traversable by highway vehicles, yet large enough to prevent tracking, shall be used.

Properly grade each construction entrance to prevent runoff from leaving the site.

Require all employees, subcontractors, and suppliers to use the temporary construction entrance to access the site.

Conduct inspections as required by the SWPPP or contract specifications.

Make adjustments as necessary and have accumulated sediment and other debris removed and disposed of properly.

Method of Measurement: The work shall be measured per square yard.

Basis of Payment: The work shall be paid for by square yard for SEDIMENT CONTROL, STABALIZED COSNTRUCTION ENTRANCE.

EROSION CONTROL BLANKET, (N.A.G S75 OR EQUIVALENT)

Description: This work shall be done as specified in IDOT SSRBC Section 251 MULCH of the IDOT SSRBC.

Erosion control blanket shall be used in locations where directed by the Engineer.

Method of Measurement: The work shall be measured in square yards.

Basis of Payment: The work shall be paid for by Square Yard for EROSION CONTROL BLANKET, (N.A.G. S75 OR EQUIVALENT).

EXPLORATION TRENCH, SPECIAL

Description: This work shall be in accordance with Section 213 of the Standard Specifications insofar as applicable and the following provisions.

This item shall consist of excavating a trench at locations as directed by the Engineer for the purpose of locating existing oil pipelines and other utilities within or adjacent to the proposed project limits.

The trench shall be deep enough to expose the oil pipelines or other utilities. The width of the trench shall be sufficient to allow proper investigation to determine if the existing facility needs to be adjusted.

The Contractor shall familiarize himself with the locations of all underground utilities of facilities as outlined in applicable Articles 105 of the Standard Specifications and shall save such facilities from damage.

The exploration trench shall be backfilled with trench backfill meeting the requirements of the Standard Specifications, the cost of which shall be included in the item Exploration Trench, Special.

Payment shall be based on actual length of trench explored without change in unit price because of adjustment in plan quantities due to field conditions.

Method of Measurement: This work shall be measured in place and measured per lineal foot.

Basis of Payment: This work will be paid for at the contract unit price per FOOT for EXPLORATION TRENCH, SPECIAL and no extra compensation will be allowed for any delays, inconvenience or damage sustained by the Contractor in performing this work. This price shall include excavation, backfill, and disposal of excess material.

SANITARY SEWER

Description: This work consists of the installation of Sanitary Sewer of the size shown on the plans. The Sanitary Sewer shall be constructed with polyvinyl chloride pipe conforming to ASTM F- 679. Install SDR 26. Installation shall be in accordance with applicable articles of Section 561 and 562 of the Standard Specifications and Division III – Sanitary Sewers of the Standard Specifications for Water and Sewer Construction in Illinois.

The required ASTM number and cell number (12454-B or 12364-C) shall appear on the pipe. All joints shall meet ASTM D-3212 requirements. Pipes and fittings not marked with the proper classification will be rejected.

Excavation and backfill for Sanitary Sewer shall conform to the typical sections shown in the plans and shall conform to the provisions of Sections 20, 21, and 22 of the Standard Specifications for Water & Sewer Main Construction in Illinois.

Earthen backfill placed in lifts not exceeding 2 feet (loose measure) and compacted in a manner approved by the engineer to a minimum 90% modified proctor density (ASTM D-1551). (Not including topsoil placement)

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.

Test new piping systems, and parts of existing systems that have been altered, extended, or repaired, for

leaks and defects.

1. Test completed piping systems according to requirements of authorities having jurisdiction.
2. Schedule tests and inspections by authorities having jurisdiction with at least 48 hours advance notice. The Contractor shall have successfully performed the following tests prior to requesting the Engineer to witness the official test.
3. Gravity flow sewer shall be tested as follows:
   a. Air Tests: Each gravity sewer shall be Air Tested by the Contractor in accordance with Division III, Section 31 of theStandard Specifications for Water and Sewer Construction .
   b. Deflection Testing of Pipe:
      i. Deflection testing shall be performed by the Contractor on all sanitary sewer installed for the first 1,200 feet of the project. If the initial 1,200 feet passes the test, then not less than 10% of the remainder of the sewer project will be tested at random. If the initial 1,200 feet fails, than the remainder of the sewer project will be tested.
      ii. If the deflection test is to be run using a rigid ball or mandrel, it shall have a diameter equal to 95% of the base diameter of the pipe as established in proposed ASTM D-3034. The test shall be performed without mechanical pulling devices.
      iii. The individual lines to be tested shall be so tested no sooner than 30 days after they have been installed.
      iv. Whenever possible and practical, the testing shall initiate at the downstream lines and proceed towards the upstream lines.
      v. No pipe shall exceed a deflection of 5%
      vi. Where deflection is found to be in excess of 5% of the original pipe diameter, the contractor shall excavate to the point of excess deflection and carefully compact around the point where excess deflection was found. The line shall then be retested for deflection; however, after the initial testing, should the deflected pipes fail to return to the original size (inside diameter), the line shall be replaced.
   c. Televising: After the installation of the gravity sewer is complete, the Contractor shall have each section of sanitary sewer televised. The Contractor will submit to the Engineer three (3) DVD copies of the televised sewer along with a detailed report. All defects shown on the televised records shall be repaired at the Contractor's expense.

The Contractor shall furnish to the Engineer the required documentation, test results, etc., required for placing the sanitary sewer. This work will not be paid for separately and shall be considered included in the cost to SANITARY SEWER.

At locations where the sanitary sewer is stubbed for future use, the end of the pipe shall be capped with a watertight cap/plug. The stub location shall be marked in the field with a wooden stake.

Clear interior of piping of dirt and superfluous material as work progresses. Place plug in end of incomplete piping at end of day and when work stops. Flush piping to remove collected debris, if required by Engineer. Clean interior of piping of dirt and superfluous material, and flush with potable water prior commissioning.

Method of Measurement: This work shall be measured in feet of the specified diameter.

Basis of Payment: This work will be paid for at the contract unit price per foot for SANITARY SEWER of the size specified.

SANITARY SEWER, TRENCHLESS

Description: This work consists of the installation of Sanitary Sewer of the size shown on the plans. The Sanitary Sewer shall be constructed with polyvinyl chloride pipe conforming to ASTM F- 679 with an SDR 26 or HDPE DR 11 that comply with ANSI/AWWA C906 and C901 Type II Class C, Category 5, P34 Material per ASTM D1248. HDPE inside diameter needs to be equivalent to sizes called out on plans. Installation shall be in accordance with applicable articles of Section 561 and 562 of the Standard Specifications and Division III – Sanitary Sewers of the Standard Specifications for Water and Sewer Construction in Illinois.

The required ASTM number and cell number (12454-B or 12364-C) shall appear on the pipe. All joints shall meet ASTM D-3212 requirements. Pipes and fittings not marked with the proper classification will be rejected.

The pipe shall be installed by directional boring as described below.

The CONTRACTOR shall be sufficiently trained and knowledgeable of the construction techniques required by use of this methodology. The CONTRACTOR shall furnish all equipment, qualified laborers and equipment operators, trenchless installation plan, and materials necessary to complete the required work in accordance with these specifications, related contract documents and associated drawings. Work shall include and not be limited to proper installation, testing, restoration of underground utilities and environmental protection and restoration.

Those involved with trenchless installations shall be knowledgeable about the methods to locate existing underground utilities both vertically and horizontally. The CONTRACTOR shall be able to interpret all available data so the completed sewer installation is accomplished safely and without damage to existing utilities, all in accordance with these Contract Documents.

The term directional drilling shall mean the drilling of a pilot hole, by means of horizontal directional drilling (HDD) equipment, enlarging the pilot hole to a diameter suitable (no large than 1.5 times the outside diameter of the product pipe). The completed hole for pipe installation shall not be significantly bigger than necessary to pull the pipe including pipe bells and joints into the enlarged hole.

The Contractor shall submit data, shop drawings, for the new pipe material, installation procedure, equipment to be used data, proof of licensure and experience, and other appurtenant materials or related information as requested by the Engineer.

The Contractor, unless otherwise necessary, is to use the directional boring method and equipment they deem appropriate for the installation of the specified water mains, provided that the proposed method and equipment is approved by the Engineer. The Engineer's approval, however, shall in no way relieve the Contractor of their responsibility for completing the work satisfactorily and meeting the criteria set forth in these Contract Documents. Only workmen that have horizontal directional drilling experience shall be used in completing this work. The Contractor shall submit a statement of qualifications of the on-site foreman or the equipment operator to the Engineer for review and approval. The Contractor and this foreman/operator shall have at least 10,000 lineal feet of installation experience by means of directional drilling methods.

Directional drilling Contractor shall maintain equipment in good working condition, at all times during the project, and shall use all reasonable means to prevent and control the loss of circulation and to protect the pilot hole.

Directional drilling equipment shall have a capability of meeting the minimum lbs/pullback for the installation conditions and pipe size. The Contractor shall adhere to the pipe manufacturers most current calculations regarding tensile load limitations for trenchless installation. These calculations or data shall be part of the required shop drawing submittal for the pipe.

Direction control and sensing system shall be either a fixed or remote directional control system which is capable of monitoring and transmitting key equipment signals such as pitch, roll and azimuth. Walkover tracking systems or other types of location sensing systems shall be used to track the downhole assembly and shall be capable of pin-pointing the steering mechanism both horizontally and vertically and determining its depth, azimuth, pitch (inclination), roll and left/right deviations.

The steering tool, as well as other back-up tools used on this project, shall have been recently calibrated in the shop to ensure the equipment is within the manufacturer's specified tolerances, before the start of directional drilling operation. An on-site roll calibration check shall be carried out. Roll checks shall have a

minimum of eight points checked. Occasional shoot-ins should be performed, at various locations along the drill path to check for magnetic changes and to confirm the course direction. All data received during these checks should be recorded and submitted for comparison during drilling operations.

The drilling fluid system shall meet all EPA and related requirements and shall be self contained, transportable, and have the necessary capacity to meet the planned drilling operation. The fluid shall be non-toxic and suitable for its intended use. The drilling fluid shall be used for hole support, pipe lubricity, and preservation of insitu soil permeability and porosity. The Contractor shall submit manufacturer's literature on the drilling equipment, and drilling fluid for review before directional drilling activities commence.

The drilling fluid pressure and flow rates shall be continuously monitored to prevent any slurry migration. Any migration or spilling of drilling slurry shall be promptly stopped or contained and cleaned up. The Contractor shall place a silt fence between all drilling operations and any drainage, waterways, or other area designated for such protection by state, federal, or local regulations. Additional environmental protection necessary to contain any hydraulic or drilling fluid spills shall be put in place, including berms, liners, turbidity curtains, and other measures. Upon completion of the directional drill project, the drilling mud and cuttings shall be disposed of by the Contractor at an approved dump site. The Contractor may use combination air valve and clean out locations as drilling mud pressure relief points by excavating pits at each location where the slurry may be collected.

All drilling equipment including drill pipe, reamers, bits, etc., shall be suitably sized to meet the water main requirements and specific drilling location requirements. When in operation, the drilling machine shall be anchored to the ground to withstand the pulling, pushing, and rotating pressure required to complete the installation. The drilling rig shall have a system to monitor and record maximum pull-back pressures during pull-back operations.

Drilling Contractor's insurance shall cover any damage or destruction of surface or in-hole equipment, including, but not limited to, drill pipe, motors, bits, and reamers, regardless of when or how such damage or destruction occurs.

The CONTRACTOR shall install the sanitary sewer mains at the planned locations and depths as noted on the Plans, along with tracer wire and related materials or equipment.

The CONTRACTOR shall be responsible for the restoration of all areas uplifted (pavement heaving, sidewalk uplifting, frac-out, etc.) or significant settling areas that are a direct result of the trenchless pipe installation method over the entire warranty period for the project.

The CONTRACTOR shall stop operations if heaving begins. The OWNER or ENGINEER also has the option to stop trenchless operations if pavement heaving is evident.

The CONTRACTOR shall coordinate proposed pit locations with the ENGINEER prior to excavation. If the CONTRACTOR intends to install the sanitary sewer mains by a combination of open cut and trenchless techniques, they shall coordinate these varied installation methods with the ENGINEER prior to beginning work in each respective area.

Should the pilot hole, at any point during the CONTRACTOR's performance of work, deviate excessively from the running line or inclination, the CONTRACTOR agrees to restore the hole to a condition satisfactory to the ENGINEER either by conventional open-cut methods and procedures, modifications of the drilling head alignment while drilling ahead, or by re-drilling. CONTRACTOR shall expose all pipeline or conduits, in advance of directional drilling work, that are to be crossed. These locations shall be checked and changes made to the proposed sanitary sewer main vertical alignment to provide a minimum of 9 inches clearance except at water main crossings which require additional clearance requirements. Vertical alignment changes shall be made gradually and shall not exceed the pipe manufacturer's recommendations for bends.

Unless otherwise provided herein, the CONTRACTOR shall assume all responsibility for, including control and removal of, and shall protect, defend, and indemnify the OWNER and ENGINEER from and against all claims, demands, and causes of action of every kind and character arising from pollution or contamination, which originates above the surface of the land or water from spills of fuels, lubricants, motor oils, pipe dope, paints, solvents, ballast, bilge, and garbage wholly in the CONTRACTOR's possession and control and directly associated with the CONTRACTOR's equipment and facilities.

Upon completion of each installation, the CONTRACTOR shall verify that all private and public utilities still function. The CONTRACTOR shall arrive at a satisfactory method of checking that utility service is still available to each customer.

Site Restoration: Following trenchless operations, the CONTRACTOR will demobilize equipment and restore the work site to the original conditions or better. All excavations will be backfilled and compacted according to these specifications.

The CONTRACTOR shall make the necessary allowances for thermal expansion or contraction of pipe "on hot days" by bunching up the installed pipe. This shall be done in accordance with pipe manufacturer's recommendations.

The entire drill/boring path shall be accurately surveyed with entry and exit stakes placed in the appropriate locations within the areas indicated on drawings. If the CONTRACTOR is using a magnetic guidance system, drill path shall be surveyed for any surface geo-magnetic variations or anomalies. The pipe shall be laid out within easement areas shown of the plans, and assembled in a manner that does not obstruct adjacent roads or activities adjacent to the layout areas except as otherwise shown.

The CONTRACTOR shall provide additional environmental protection necessary to contain any hydraulic or boring fluid spills shall be put in place, including berms, liners, turbidity curtains and other measures. CONTRACTOR shall adhere to all applicable environmental regulations. Transport excess fluids and other spoils to disposal site, at no additional cost to the owner.

Work shall be performed in a manner to eliminate the discharge of water, drilling mud, cuttings, and spoils to nearby waterways or wetlands. When working adjacent to waterways, the general work area on the entry and exit sides of the crossing shall be enclosed by a beam to contain unplanned spills or discharge.

The CONTRACTOR shall provide equipment and procedures to maximize the recirculation or reuse of drilling mud to minimize waste. The contractor shall line all excavated pits used in the drilling or boring operations with heavy-duty plastic sheeting with sealed joints to prevent the migration of drilling or boring fluids and/or ground water. If inadvertent returns of drilling or boring fluids near a structure or into a waterway occur, the contractor shall immediately provide environmental controls and cleanup to the satisfaction of, and at no additional expense, to the Owner.

Any cuttings or excess drilling/boring fluids shall be dewatered and dried by the CONTRACTOR to the extent necessary for legal disposal in off-site landfills. Water from the dewatering process shall be treated by the Contractor to meet permit requirements and disposed of locally or hauled off-site for legal disposal.

The Contractor shall be responsible for procuring water required for operations and slurry.

Access Pits: Where required, access pits will meet OSHA requirements for type, installation, and removal of sheeting. Shoring and protection shall immediately be installed during the excavation of access pits.

Provide dewatering as required to allow excavation of pits and installation of pipes, along with protection to environment from erosion or sedimentation resulting from all pumping operations.

Line and Grade: Install pipe at line and grade that will allow the pipe to be installed at its true starting elevation and grade within the specified maximum alignment deviation of the pipe centerline. Line and grad

tolerances shall not exceed the following during trenchless installation. Greater deviations shall be cause for rejection.

1. Horizontally: 1.0 foot per 100 feet.

2. Vertically: 0.1 foot per 100 feet. Backfall in pipe is not allowed.

The CONTRACTOR is responsible for planning and executing all procedures necessary to construct, maintain and remove any temporary shoring systems in a safe and controlled manner. All excavations shall be in compliance with applicable OSHA regulations.

For trenchless sewer at a slope less than 1%, the Contractor can use jack and bore method for installation. The Contractor shall follow the following:

- The casing pipe for the sanitary sewer shall be 30" 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".
- The installation of the steel casing shall be completed using the jacking and boring method.
- The initial section of casing shall be aligned on a poured concrete slab, guide rails or other approved method that will produce the desired alignment and grade. Casing shall be held with braces, guideways, and other devices.
- Jacks and struts shall be arranged against the backslope or deadman to apply thrust parallel with the centerline of the casing. Thrust shall be distributed equally between jacks and the pressure exerted uniformly over the end of the casing. Application of pressure with the metal of the jack in direct contact with the material of the casing will not be permitted. Suitable cushioning material shall be inserted between the jack and casing.
- Steel rails or timbers that support the casing as it enters the bore must be accurately placed on line and grade. Both line and grade should be checked at least once per shift as work progresses. Use of a steering head and a water board or other means to check the accuracy of the end of casing as it progresses through the bores is strongly recommended.
- Deviation from the prescribed line that reverses the fall of the grade line through the casing shall be cause for rejection.
- Because of the tendency of jacked casing to "set" when forward movement is interrupted for as long as a few hours, resulting in significantly increased frictional resistance, it is desirable to continue jacking operations until completed.
- 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.
- The number and capacity of jacks used shall be adequate to exert sufficient force to overcome the greatest resistance to be encountered, considering both the weight of the casing and the friction on its exterior surface.
- In soft or unstable soil, the casing shall be allowed to cut its way through the soil to avoid danger of caving and subsidence of the overlying embankment.
- Provisions shall be made for keeping the excavation free from surface and seepage water during the jacking operation.
- Backfilling that may be necessary shall be in accordance with the Standard Specifications for Water and Sewer Main Construction (Latest Edition). Surplus excavated material shall be hauled to the lift site, at no extra cost to Owner. Rock shall be disposed of at no extra cost to Owner.
- Provide casing spacers for carrier pipes.
- The boring method allowed consists of the casing being pushed into the fill as the boring auger drills out the earthen material.
- Obstacles met during the process of installation shall be reported to the Engineer immediately. Obstructions to the progress of the casing, such as roots, boulders, or parts of former structures, shall be removed. Potential solutions and alternatives for removal of obstruction shall be presented to the Engineer for concurrence of alternative. Deviations from line or grade to pass obstructions shall be

avoided if such deviation will result in unsatisfactory fitting joints. The use of explosives for removing obstructions is prohibited.

- The use of water under pressure jetting or puddling will not be permitted to facilitate boring, pushing or jacking operations. Some boring may require water to lubricate cutter and casing, and under such conditions, is considered dry boring.
- If too large a bored hole is produced during casing installation or it is necessary to abandon a bored hole, immediate remedial action shall be taken by the Utility Owner. All voids or abandoned holes shall be filled by pressure grouting. The grout material should be sand cement slurry with a minimum of 2 sacks of cement per cubic yard and a minimum of water to assure satisfactory placement.
- The hole diameter resulting from bored installation shall not exceed the outside diameter of the casing (including coating) by more than 2".

Carrier Pipe: When used, provided adequate clearance for proper installation of the carrier pipe as needed. Clean dirt and debris from the interior of the casing pipe after installation. The CONTRACTOR will be allowed to correct deviations in grade of a casing pipe in order to achieve design grade of the carrier pipe by pouring an invert in the casing pipe or shimming the carrier pipe with casing spacers to a uniform grade. Installations deviating from the specified tolerances that cannot be adjusted to conform to the specified tolerances may be rejected by the ENGINEER.

Test new piping systems, and parts of existing systems that have been altered, extended, or repaired, for leaks and defects.

1. Test completed piping systems according to requirements of authorities having jurisdiction.
2. Schedule tests and inspections by authorities having jurisdiction with at least 48 hours advance notice. The Contractor shall have successfully performed the following tests prior to requesting the Engineer to witness the official test.
3. Gravity flow sewer shall be tested as follows:
   a. Air Tests: Each gravity sewer shall be Air Tested by the Contractor in accordance with Division III, Section 31 of the Standard Specifications for Water and Sewer Construction in Illinois.
   b. Deflection Testing of Pipe:
      i. Deflection testing shall be performed by the Contractor on all sanitary sewer installed for the first 1,200 feet of the project. If the initial 1,200 feet passes the test, then not less than 10% of the remainder of the sewer project will be tested at random. If the initial 1,200 feet fails, than the remainder of the sewer project will be tested.
      ii. If the deflection test is to be run using a rigid ball or mandrel, it shall have a diameter equal to 95% of the base diameter of the pipe as established in proposed ASTM D-3034. The test shall be performed without mechanical pulling devices.
      iii. The individual lines to be tested shall be so tested no sooner than 30 days after they have been installed.
      iv. Whenever possible and practical, the testing shall initiate at the downstream lines and proceed towards the upstream lines.
      v. No pipe shall exceed a deflection of 5%
      vi. Where deflection is found to be in excess of 5% of the original pipe diameter, the contractor shall excavate to the point of excess deflection and carefully compact around the point where excess deflection was found. The line shall then be retested for deflection; however, after the initial testing, should the deflected pipes fail to return to the original size (inside diameter), the line shall be replaced.
   c. Televising: After the installation of the gravity sewer is complete, the Contractor shall have each section of sanitary sewer televised. The Contractor will submit to the Engineer three (3) DVD copies of the televised sewer along with a detailed report. All defects shown on the televised records shall be repaired at the Contractor's expense.

The Contractor shall furnish to the Engineer the required documentation, test results, etc., required for placing the sanitary sewer. This work will not be paid for separately and shall be considered included in the cost to SANITARY SEWER.

At locations where the sanitary sewer is stubbed for future use, the end of the pipe shall be capped with a watertight cap/plug. The stub location shall be marked in the field with a wooden stake.

Clear interior of piping of dirt and superfluous material as work progresses. Place plug in end of incomplete piping at end of day and when work stops. Flush piping to remove collected debris, if required by Engineer. Clean interior of piping of dirt and superfluous material, and flush with potable water prior commissioning.

Method of Measurement: This work shall be measured in feet of diameter specified.

Basis of Payment: This work will be paid for at the contract unit price per foot for SANITARY SEWER, TRENCHLESS of the size specified.

MANHOLES, TYPE A, SANITARY, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID

Description: This work consists of providing and installing sanitary manholes complete as detailed in plans with frame and lid in accordance with the Sanitary Manhole Detail where indicated on the Plans or specified by the Engineer. Manhole frames and covers shall conform to standard details. The manholes shall be Type A, 4' diameter Type 1 Frame with Closed Lid. The work shall be performed in accordance with the Standard Specifications Section 602, the Standard Specifications for Water and Sewer Main Construction in Illinois, and the details in the plans.

Method of Measurement: This work will be measured for payment in units of Each.

Basis of Payment: This work will be paid for at the contract unit price per EACH for MANHOLES, SANITARY of the type and size specified, and with the type of frame and lid specified.

DROP SANITARY MANHOLES, WITH TYPE 1 FRAME, CLOSED LID

Description: This work consists of providing and installing drop sanitary manholes complete as detailed in the plans with frame and lid in accordance with the Drop Sanitary Manhole Detail where indicated on the Plans or specified by the Engineer. Manhole frames and covers shall conform to standard details. The manholes shall be Type A, 4' diameter Type 1 Frame with Closed Lid. The work shall be performed in accordance with the Standard Specifications Section 602, the Standard Specifications for Water and Sewer Main Construction in Illinois, and the details in the plans.

Method of Measurement: This work will be measured for payment in units of Each.

Basis of Payment: This work will be paid for at the contract unit price per EACH for DROP SANITARY MANHOLES of the type and size specified, and with the type of frame and lid specified.

CONNECTION TO EXISTING MANHOLE

Description: The work shall include coring in to existing manhole with a circular hole cutting tool. A rubber and stainless steel water tight modular seal (Link-seal or equal) or flexible rubber boot ASTM C923 shall be installed.

Protect existing piping and structures to prevent concrete or debris from entering while making tap connections. Remove debris or other extraneous material that may accumulate.

Method of Measurement: This work shall be measured for payment in units of Each.

Basis of Payment: This work will be paid for at the contract unit price per EACH for CONNECTION TO EXISTING MANHOLE.

SANITARY MANHOLE, SPECIAL (METERING MANHOLE AND EQUIPMENT)

Description: This Section includes all METERING MANHOLE and EQUIPMENT required for the complete installation of the Work. This Work shall consist of providing all excavation and backfill, materials, equipment, labor, installation, pipe connections, integration, and start-up services as necessary for the complete and operational Metering Station Manhole. Metering Manhole and Equipment shall be installed at the location and configuration as indicated on the Plans.

Metering Manhole:

1. Engineered composite fiberglass reinforced plastic (FRP).
   a. Molded in one piece to create a seamless corrosion barrier impervious to moisture.
   b. FRP resin shall be polyester
2. Metering Manhole hardware shall be 316 SS.
3. Metering Manhole shall be manufactured by Plasti-Fab Inc.
4. The Metering Manhole fabrication, flume, and all components shall be from the same manufacturer.
5. Manufacturer shall fabricate and fully assemble all components prior to delivery.
6. Metering Manhole shall be manufactured by Plasti-Fab Inc.; or approved equal.
   a. Manufacturer must have a qualified Engineer on staff with at least 5 years' experience with hydraulic measurement.
7. Fiberglass barrel shall be 48" diameter.
8. Manhole shall be 21.5 feet invert to grade, which shall be field verified by the Contractor.

Flow Meter:

1. Flow meter shall be Sigma Model 950 permanent open channel flow meter with ultrasonic level sensor and 40 ft. sensor cable.
2. Flow meter shall be located in a fiberglass enclosure as indicated on the Plans.
3. The manufacturer shall warrant the depth sensor and the flow meter to be free from defects in materials and workmanship for one (1) year.
4. Other manufacturers may be approved as an equal if they meet the specifications and the satisfaction of the City of Lockport, IL. Alternate manufacturers shall submit equipment specifications to the engineer ten (15) business days prior to the bid date including a written description of the alternate offering and any exceptions to the specifications. Acceptable alternate vendors will be listed by Addendum.
5. The manufacturer shall have a toll-free number for support available 24 hours a day, 365 days/year.
6. The flow meter shall utilize removable probes to measure depth in the configuration listed above. Flow meters without removable probes are not acceptable. The probe cable and connectors shall be military spec, waterproof and capable of submergence without damage. The meter shall utilize an ultrasonic probe mounted above the flow stream. The probe shall be 75 KHz. The level accuracy shall be +/- 0.01 ft over 0.125' to 15' span with 0.0075 inch resolution. The probe shall have a maximum temperature error of +/- 0.0001 ft/ deg, F. The dead band shall not exceed 12". The probe shall be capable of supporting up to 250' of length. The probe shall be supplied with 40 feet of cable.
7. The flowmeter shall operate on 12 VDC which is supplied by a battery or 115 VAC power converter. Current data shall be displayed on the flowmeter front panel by means of an external push button on the enclosure. The meter shall not require opening of a cover to see current status. The meter shall have an 8 line x 40 character back-lit liquid crystal graphics display. In addition to indicating all programming steps and current status such as level, velocity and flow rate, the display shall show all logged data in field selectable tabular and graphics (x-y plot) formats. All program entries shall be entered via a sealed front panel keypad, and indicated on the front panel display. The keypad and display shall meet NEMA 4X,6 standards. A PC or any other external means shall not be required to program the flow

meter or integral logger or access data.

8. The flowmeter shall have sufficient memory to store up to 18,400 data readings. Further, the flowmeter shall store a minimum of 32 days of daily summaries of minimum, maximum, average, cumulative average, total, and cumulative total flow. Slate and wrap around data storage modes shall be field selectable, and the flowmeter display shall indicate the total number of days available for datalogging until the memory becomes full. The flowmeter shall have an RS232 serial interface for transfer of all logged data to an IBM/compatible PC. Serial port data transfer rate shall be at least 19,200 baud. The flowmeter shall be capable of storing five programs/site configurations.
9. The flow meter shall be capable of programming via PC in addition to programming via the keypad and display. One (1) copy of software shall be made available as an option with the meter. The software package shall be capable of programming the meter, retrieving data from the meter and doing analysis including reports and graphs. If programming via PC, the meter shall be programmed using a connect cable to a PC supplied with the software. The software shall be capable of operating on any IBM compatible machine with a minimum of 4MG of RAM, with or without Windows.
10. The flow meter shall incorporate Modbus ASCII protocol to allow access to all monitored parameters, including optional integral devices indicated below (if any). The Modbus protocol shall be intrinsic to the meter and shall not require the use of a separate device or the use of the analog outputs above to accomplish the interface to the PLC, PC or SCADA system.
11. The meter shall be capable of downloading data without the use of a PC in the field. The Data Transfer Unit (DTU) shall be available as an option and shall have a membrane keypad to select memory cell, allow downloading and clearing data cells and select downloading of all data or since last download. The DTU shall be capable of holding data from 20 different meters at a time. The flow meter memory shall be expandable from 18,432 data points to 116,000 data points. The additional memory shall reside in the flow meter enclosure.
12. The software shall automatically assign a logical site file designation generated by the computer based on the meter s/n and date/time downloaded. The software shall have no means to permanently alter or modify raw data and shall have the ability when graphing or reporting to use raw data, modified data or both. The software shall have the ability to: set reporting span; average data forward or reverse; set start and end of day times; provide daily, monthly and weekly summary reports on the printout including min, max, avg. and total level and flow information; modify the primary device for reporting from original set up; enter comments on the report; report meter settings, status during download, events on reports. The software graphing ability shall include: self-scale or manually scale plots; plot up to 3 parameters on a single graph; change units or labels for parameters from initial set ups; modify the primary device for plotting; change the site title.
13. The flow meter shall have a 12 VDC pulse output for pacing an automatic liquid sampler in proportion to flow, with field selectable flow volume between pulses. The meter shall also be capable of initiating a sampler on level, flow rate, and flow rate of change
14. Overall dimensions including power supply shall not exceed 13.5" H x 10" W x 9.5" D. Total weight including power supply shall not exceed 15 lbs.
15. The unit shall operate from 12 VDC power. The power source shall be a 120 VAC power converter. In the event of an AC power interruption, the meter shall have an AC power backup consisting of a 12 VDC gel electrolyte battery with a seven amp hour capacity and integral continuous trickle charger to assure a fully charged battery. The flowmeter shall be furnished with a 115 VAC power converter/gel electrolyte battery charger, Wall mounting bracket, all stainless steel, and ELAN QuickCal Level measurement device with 8' to 23' adjustable pole for periodic calibration and level inspections.
16. All electrical components shall be enclosed in a NEMA 4X,6 enclosure. The enclosure shall have a continuous hinged front cover to protect the display and keypad and shall maintain NEMA 4X,6 with the cover open. The enclosure shall contain dessicant and a front panel humidity indicator.

Fiberglass Enclosure:

1. Fiberglass Enclosure shall be Virtual Polymer Compounds ENDURO Model 50 insulated enclosure (29" x 29" x 35"); or approved equal.
2. Fiberglass Enclosure shall be equipped with a 500 Watt stainless steel heater, thermostat, ventilation fan, switch operated light, GFI duplex outlet, and shall be suitable for installation on a concrete pad.
3. Fiberglass Enclosure shall be able to withstand 130 mph wind loads and roof live loads of 50 lbs/sq. ft.

Construction:

1. Metering Manhole shall be a complete integral unit consisting of: a corrosion resistant fiberglass reinforced plastic (FRP) manhole with sealed fiberglass bottom, fiberglass access ladder, metering flume and accessories as required.

2. Metering Manhole body shall be totally manufactured of fiberglass reinforced polyester.

3. Metering Manhole shall be molded individually to the exact dimensions specified.

4. The thickness of the walls and floor of the Metering Manhole shall be not less than 1/2" thick.
5. Metering Manhole shall be manufactured of reinforced thermoset plastic in one integral piece that is structurally strong, lightweight, watertight and corrosion resistant to salt water, ground water, corrosive soil conditions and many commonly encountered industrial chemicals.
6. Metering Manhole inside surface shall be smooth, isophthalic gelcoat of 10 - 20 mil (0.25 - 0.51mm) thickness. Exterior Surface shall be grey gel coat 15-20 mil (0.25 – 0.51mm) thickness for UV protection.
7. The surface shall be free of exposed reinforcing fibers.
8. The minimum glass content shall be 30% exclusive of gelcoat surfaces.
9. Any portion of the flume or end adapters extending outside the manhole shall have a reinforced cover.
10. The manhole sides, bottom and external flume sections shall be designed to withstand a static load of 150 lb/ft per foot of depth with less than 1/4" deflection.
11. There shall be no light duty angles of flanges protruding beyond the flume or manhole that can be damaged by shear or load forces.
12. Inlet and Outlet Pipes: The FRP manhole and flume shall be provided with 18 inch pipe stubs for connection to 18 inch PVC SDR 26 incoming and pipe. Flume end adapters shall allow a smooth flow transition from pipe flow to flume flow.
    a. Two neoprene boots with stainless steel clamping bands shall be supplied and sized to connect inlet and outlet pipe stubs to the pipeline.
13. Cover: As indicated on the Plans.

14. Internal Ladder: The ladder rungs shall have a non-slip traction surface and internal stainless steel safety bar. The ladder shall meet or exceed OSHA General Industry Standards, Part 1910.27 for "Fixed Ladders".
15. Utility Tap: The manhole barrel shall be fitted with 2" FRP through-wall utility tap(s) having threaded connections to permit sub-grade entrance for power, sample or recording lines without damaging the watertight integrity of the manhole.
16. A 1/2" thick expanded polystyrene bead board will be supplied for placement on the concrete slab under the manhole
17. The manhole shall be equipped with hold down brackets for anchoring the unit to a concrete slab.

18. Options:
    a. Instrument Shelf: Fiberglass shelf or bracket(s), as required, shall be furnished to allow installation of specific instrumentation.
    b. Flume / Whole Bottom Cover: Fiberglass grating shall be installed over the flume to

provide a walking surface and to prevent debris from falling into the flume.

c. Head deflector / lid warning sign / ladder up with safety track.

d. Vent piping.

Method of Measurment: The work shall be measured per each.

Basis of Payment: The work shall per paid for by EACH under the pay item SANITARY MANHOLE, SPECIAL (METERING MANHOLE AND EQUIPMENT). The work includes all necessary work to obtain and install SANITARY MANHOLE, SPECIAL (METERING MANHOLE AND EQUIPMENT).

SANITARY SEWER SERVICE, 6" PVC, COMPLETE (STUB)

Description: The work consists of completing a sanitary sewer service stub including a wye, 10 ft of pipe and a cap on the end of pipe. The location shall be directed by the Engineer.

Method of Measurement: The work shall be measured per EACH.

Basis of Payment: The work shall be paid for by the contract unit price of EACH for the pay item SANITARY SEWER SERVICE, 6" PVC, COMPLETE (STUB).

PLUG MECHANICAL JOINT 12"

Description: The work consists of installing a mechanical plug where indicated on the plans.

Method of Measurement: The work is measured as EACH.

Basis of Payment: The work shall be paid for by the contract unit price of EACH for the pay item PLUG MECHANICAL JOINT 12".

TEMPORARY FENCE

Description:
This work shall consist of furnishing, installing, maintaining and removing a temporary orange construction fence. The fence shall be placed at locations directed by the Engineer around the septic field of Parcel 05-17-100-021. Upon removal the materials become the possession of the Contractor. The contractor shall maintain the fence and provide all necessary work and materials to maintain the integrity of the fence. Routine maintenance shall be considered included within the pay item.

Method of Measurement:
This work will be measured per feet in place.

Basis of Payment:
This work will be paid for at the contract unit price per foot for TEMPORARY FENCE, which price shall include furnishing, placing, removal and maintenance of the fence and all labor, tools, equipment and incidentals necessary to complete the work.

SEEDING (SPECIAL), CROP COVER

This work shall consist of furnishing and installing permanent seeding at locations shown in the plans and as directed by the Engineer. The seed mix shall be as follows:

COVER CROP Seed Mix

Item	Scientific Name	Common Name	Seeding Rate (lbs/ac)

1	*Avena sativa*	Seed oats	32.00
2	*Lolium multiflorum*	Annual rye	10.00
		TOTAL:	42.00

Measurement: Seed will be measured in place and the area computed in acres.

Basis of Payment: This work will be paid for at the contract unit price per square yard for SEEDING (SPECIAL), CROP COVER which price shall include all labor, material and equipment necessary to complete the work as specified above

SEEDING (SPECIAL), MESIC PRAIRIE

This work shall consist of furnishing and installing permanent seeding at locations shown in the plans and as directed by the Engineer. The seed mix shall be as follows:

MESIC PRAIRIE Seed Mix

Item	Scientific Name	Common Name	Seeding Rate (lbs/ac)
1	*Andropogon gerardii*	Big bluestem	2.000
2	*Aster novae-angliae*	New England aster	0.063
3	*Cassia fasciculata*	Partridge pea	0.250
4	*Coreopsis tripteris*	Tall coreopsis	0.125
5	*Desmodium canadense*	Showy tick trefoil	0.125
6	*Elymus canadensis*	Canada wild rye	2.000
7	*Elymus virginicus*	Virginia wild rye	2.000
8	*Monarda fistulosa*	Wild bergamot	0.125
9	*Parthenium integrifolium*	Wild quinine	0.125
10	*Penstemon digitalis*	Foxglove beardstongue	0.250
11	*Ratibida pinnata*	Yellow coneflower	0.063
12	*Rudbeckia laciniata*	Wild golden glow	0.125
13	*Rudbeckia hirta*	Black-eyed Susan	0.250
14	*Silphium integrifolium*	Rosin weed	0.125
15	*Silphium laciniatum*	Compass plant	0.125
16	*Sorghastrum nutans*	Indian grass	2.000
17	*Verbena hastata*	Blue vervain	0.063
18	*Vernonia fasciculata*	Common ironweed	0.063
		TOTAL:	9.7

Measurement: Seed will be measured in place and the area computed in acres.

Basis of Payment: This work will be paid for at the contract unit price per square yard for SEEDING (SPECIAL), MESIC PRAIRIE which price shall include all labor, material and equipment necessary to complete the work as specified above

SEEDING (SPECIAL), WOODLAND

This work shall consist of furnishing and installing permanent seeding at locations shown in the plans and as

directed by the Engineer. The seed mix shall be as follows:

WOODLAND Seed Mix

Item	Scientific Name	Common Name	Seeding Rate (lbs/ac)
1	*Andropogon gerardii*	Big bluestem	1.000
2	*Coreopsis tripteris*	Tall coreopsis	0.063
3	*Desmodium glutinosum*	Pointed tick trefoil	0.063
4	*Diarrhena americana*	Beak grass	0.500
5	*Elymus virginicus*	Virginia wild rye	4.000
6	*Glyceria striata*	Fowl manna grass	0.250
7	*Helianthus grosseserratus*	Sawtooth sunflower	0.063
8	*Hystrix patula*	Bottlebrush grass	0.500
9	*Monarda fistulosa*	Wild bergamot	0.125
10	*Penstemon digitalis*	Foxglove beardstongue	0.250
11	*Ratibida pinnata*	Yellow coneflower	0.063
12	*Rudbeckia laciniata*	Wild golden glow	0.063
13	*Rudbeckia subtomentosa*	Brown-eyed Susan	0.250
14	*Scrophularia marilandica*	Late figwort	0.063
15	*Sorghastrum nutans*	Indian grass	2.000
16	*Teucrium canadense*	Wild germander	0.063
17	*Vernonia fasciculata*	Common ironweed	0.063
		TOTAL:	9.4

Measurement: Seed will be measured in place and the area computed in acres.

Basis of Payment: This work will be paid for at the contract unit price per square yard for SEEDING (SPECIAL), WOODLAND which price shall include all labor, material and equipment necessary to complete the work as specified above

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

SPECIAL PROVISION FOR INSURANCE

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.

BDE SPECIAL PROVISIONS
For the August 3 and September 21, 2018 Lettings

The following special provisions indicated by an "x" are applicable to this contract and will be included by the Project Development and Implementation Section of the BD&E. An * indicates a new or revised special provision for the letting.

	File Name	#		Special Provision Title	Effective	Revised
	80099	1		Accessible Pedestrian Signals (APS)	April 1, 2003	Jan. 1, 2014
	80382	2		Adjusting Frames and Grates	April 1, 2017	
	80274	3		Aggregate Subgrade Improvement	April 1, 2012	April 1, 2016
	80192	4		Automated Flagger Assistance Device	Jan. 1, 2008	
	80173	5		Bituminous Materials Cost Adjustments	Nov. 2, 2006	Aug. 1, 2017
	80241	6		Bridge Demolition Debris	July 1, 2009	
	5026I	7		Building Removal-Case I (Non-Friable and Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	5048I	8		Building Removal-Case II (Non-Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	5049I	9		Building Removal-Case III (Friable Asbestos)	Sept. 1, 1990	April 1, 2010
	5053I	10		Building Removal-Case IV (No Asbestos)	Sept. 1, 1990	April 1, 2010
	80366	11		Butt Joints	July 1, 2016	
	80386	12		Calcium Aluminate Cement for Class PP-5 Concrete Patching	Nov. 1, 2017	
	80396	13		Class A and B Patching	Jan. 1, 2018	
	80384	14		Compensable Delay Costs	June 2, 2017	
	80198	15		Completion Date (via calendar days)	April 1, 2008	
	80199	16		Completion Date (via calendar days) Plus Working Days	April 1, 2008	
	80293	17		Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet	April 1, 2012	July 1, 2016
	80311	18		Concrete End Sections for Pipe Culverts	Jan. 1, 2013	April 1, 2016
	80277	19		Concrete Mix Design – Department Provided	Jan. 1, 2012	April 1, 2016
	80261	20	✓	Construction Air Quality – Diesel Retrofit	June 1, 2010	Nov. 1, 2014
	80387	21		Contrast Preformed Plastic Pavement Marking	Nov. 1, 2017	
*	80029	22		Disadvantaged Business Enterprise Participation	Sept. 1, 2000	April 2, 2018
	80378	23		Dowel Bar Inserter	Jan. 1, 2017	Jan. 1, 2018
	80388	24	✓	Equipment Parking and Storage	Nov. 1, 2017	
	80229	25		Fuel Cost Adjustment	April 1, 2009	Aug. 1, 2017
	80304	26		Grooving for Recessed Pavement Markings	Nov. 1, 2012	Nov. 1, 2017
*	80246	27		Hot-Mix Asphalt – Density Testing of Longitudinal Joints	Jan. 1, 2010	Aug. 1, 2018
*	80398	28		Hot-Mix Asphalt – Longitudinal Joint Sealant	Aug. 1, 2018	
*	80399	29		Hot-Mix Asphalt – Oscillatory Roller	Aug. 1, 2018	
*	80347	30		Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling	Nov. 1, 2014	Aug. 1, 2018
	80383	31		Hot-Mix Asphalt – Quality Control for Performance	April 1, 2017	Nov. 1, 2017
	80376	32		Hot-Mix Asphalt – Tack Coat	Nov. 1, 2016	
	80392	33	✓	Lights on Barricades	Jan. 1, 2018	
	80336	34		Longitudinal Joint and Crack Patching	April 1, 2014	April 1, 2016
*	80393	35	✓	Manholes, Valve Vaults, and Flat Slab Tops	Jan. 1, 2018	March 2, 2018
*	80400	36		Mast Arm Assembly and Pole	Aug. 1, 2018	
	80045	37		Material Transfer Device	June 15, 1999	Aug. 1, 2014
	80394	38		Metal Flared End Section for Pipe Culverts	Jan. 1, 2018	April 1, 2018
	80165	39		Moisture Cured Urethane Paint System	Nov. 1, 2006	Jan. 1, 2010
	80349	40		Pavement Marking Blackout Tape	Nov. 1, 2014	April 1, 2016
	80371	41		Pavement Marking Removal	July 1, 2016	
	80390	42		Payments to Subcontractors	Nov. 2, 2017	
	80377	43		Portable Changeable Message Signs	Nov. 1, 2016	April 1, 2017
	80389	44		Portland Cement Concrete	Nov. 1, 2017	
	80359	45		Portland Cement Concrete Bridge Deck Curing	April 1, 2015	Nov. 1, 2017
*	80401	46		Portland Cement Concrete Pavement Connector for Bridge Approach	Aug. 1, 2018	

File Name	#		Special Provision Title	Effective	Revised
			Slab		
80385	47		Portland Cement Concrete Sidewalk	Aug. 1, 2017	
80300	48		Preformed Plastic Pavement Marking Type D - Inlaid	April 1, 2012	April 1, 2016
80328	49		Progress Payments	Nov. 2, 2013	
3426I	50		Railroad Protective Liability Insurance	Dec. 1, 1986	Jan. 1, 2006
80157	51		Railroad Protective Liability Insurance (5 and 10)	Jan. 1, 2006	
80306	52		Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS)	Nov. 1, 2012	Jan. 1, 2018
80395	53		Sloped Metal End Section for Pipe Culverts	Jan. 1, 2018	
80340	54		Speed Display Trailer	April 2, 2014	Jan. 1, 2017
80127	55		Steel Cost Adjustment	April 2, 2004	Aug. 1, 2017
* 80397	56		Subcontractor and DBE Payment Reporting	April 2, 2018	
80391	57		Subcontractor Mobilization Payments	Nov. 2, 2017	
80317	58		Surface Testing of Hot-Mix Asphalt Overlays	Jan. 1, 2013	April 1, 2016
80298	59		Temporary Pavement Marking (NOTE: This special provision was previously named *"Pavement Marking Tape Type IV"*.)	April 1, 2012	April 1, 2017
20338	60		Training Special Provisions	Oct. 15, 1975	
80318	61		Traversable Pipe Grate for Concrete End Sections (NOTE: This special provision was previously named "*Traversable Pipe Grate*".)	Jan. 1, 2013	Jan. 1, 2018
80288	62		Warm Mix Asphalt	Jan. 1, 2012	April 1, 2016
80302	63		Weekly DBE Trucking Reports	June 2, 2012	April 2, 2015
80071	64		Working Days	Jan. 1, 2002	

The following special provisions are in the 2018 Supplemental Specifications and Recurring Special Provisions.

File Name	Special Provision Title	New Location	Effective	Revised
80368	Light Tower	Article 1069.08	July 1, 2016	
80369	Mast Arm Assembly and Pole	Article 1077.03(a)(1)	July 1, 2016	
80338	Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching	Recurring CS #35	April 1, 2014	April 1, 2016
80379	Steel Plate Beam Guardrail	Articles 630.02, 630.05, 630.06, and 630.08	Jan. 1, 2017	
80381	Traffic Barrier Terminal, Type 1 Special	Article 631.04	Jan. 1, 2017	
80380	Tubular Markers	Articles 701.03, 701.15, 701.18, and 1106.02	Jan. 1, 2017	

The following special provisions require additional information from the designer. The additional information needs to be submitted as a separate document. The Project Development and Implementation section will then include the information in the applicable special provision. The Special Provisions are:

- Bridge Demolition Debris
- Building Removal - Case I
- Building Removal – Case II
- Building Removal - Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)

Effective: June 1, 2010
Revised: November 1, 2014

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term "equipment" refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted using the phased in approach shown below. Equipment that is of a model year older than the year given for that equipment's respective horsepower range shall be retrofitted:

Effective Dates	Horsepower Range	Model Year
June 1, 2010 1/	600-749	2002
	750 and up	2006
June 1, 2011 2/	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006
June 1, 2012 2/	50-99	2004
	100-299	2003
	300-599	2001
	600-749	2002
	750 and up	2006

1/ Effective dates apply to Contractor diesel powered off-road equipment assigned to the contract.

2/ Effective dates apply to Contractor and subcontractor diesel powered off-road equipment assigned to the contract.

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (http://www.epa.gov/cleandiesel/verification/verif-list.htm), or verified by the California Air Resources Board (CARB) (http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm); or

b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit

device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

Diesel Retrofit Deficiency Deduction

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be $1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected.

Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

EQUIPMENT PARKING AND STORAGE (BDE)

Effective: November 1, 2017

Replace the first paragraph of Article 701.11 of the Standard Specifications with the following.

"**701.11 Equipment Parking and Storage.** During working hours, all vehicles and/or nonoperating equipment which are parked, two hours or less, shall be parked at least 8 ft (2.5 m) from the open traffic lane. For other periods of time during working and for all nonworking hours, all vehicles, materials, and equipment shall be parked or stored as follows.

(a) When the project has adequate right-of-way, vehicles, materials, and equipment shall be located a minimum of 30 ft (9 m) from the pavement.

(b) When adequate right-of-way does not exist, vehicles, materials, and equipment shall be located a minimum of 15 ft (4.5 m) from the edge of any pavement open to traffic.

(c) Behind temporary concrete barrier, vehicles, materials, and equipment shall be located a minimum of 24 in. (600 mm) behind free standing barrier or a minimum of 6 in. (150 mm) behind barrier that is either pinned or restrained according to Article 704.04. The 24 in. or 6 in. measurement shall be from the base of the non-traffic side of the barrier.

(d) Behind other man-made or natural barriers meeting the approval of the Engineer."

80388

LIGHTS ON BARRICADES (BDE)

Effective: January 1, 2018

Revise Article 701.16 of the Standard Specifications to read:

"**701.16 Lights.** Lights shall be used on devices as required in the plans, the traffic control plan, and the following table.

Circumstance	Lights Required
Daylight operations	None
First two warning signs on each approach to the work involving a nighttime lane closure and "ROUGH GROOVED SURFACE" (W8-I107) signs	Flashing mono-directional lights
Devices delineating isolated obstacles, excavations, or hazards at night (Does not apply to patching)	Flashing bi-directional lights
Devices delineating obstacles, excavations, or hazards exceeding 100 ft (30 m) in length at night (Does not apply to widening)	Steady burn bi-directional lights
Channelizing devices for nighttime lane closures on two-lane roads	None
Channelizing devices for nighttime lane closures on multi-lane roads	None
Channelizing devices for nighttime lane closures on multi-lane roads separating opposing directions of traffic	None
Channelizing devices for nighttime along lane shifts on multilane roads	Steady burn mono-directional lights
Channelizing devices for night time along lane shifts on two lane roads	Steady burn bi-directional lights
Devices in nighttime lane closure tapers on Standards 701316 and 701321	Steady burn bi-directional lights
Devices in nighttime lane closure tapers	Steady burn mono-directional lights
Devices delineating a widening trench	None
Devices delineating patches at night on roadways with an ADT less than 25,000	None
Devices delineating patches at night on roadways with an ADT of 25,000 or more	None

Batteries for the lights shall be replaced on a group basis at such times as may be specified by the Engineer."

Delete the fourth sentence of the first paragraph of Article 701.17(c)(2) of the Standard Specifications.

Revise the first paragraph of Article 603.07 of the Standard Specifications to read:

"603.07 Protection Under Traffic. After the casting has been adjusted and Class SI concrete has been placed, the work shall be protected by a barricade for at least 72 hours."

80392

MANHOLES, VALVE VAULTS, AND FLAT SLAB TOPS (BDE)

Effective: January 1, 2018
Revised: March 2, 2018

Description. Manholes, valve vaults, and flat slab tops manufactured according to the current or previous Highway Standards listed below will be accepted on this contract:

Product	Current Standard	Previous Standard
Precast Manhole Type A, 4' (1.22 m) Diameter	602401-04	602401-03
Precast Manhole Type A, 5' (1.52 m) Diameter	602402	602401-03
Precast Manhole Type A, 6' (1.83 m) Diameter	602406-08	602406-07
Precast Manhole Type A, 7' (2.13 m) Diameter	602411-06	602411-05
Precast Manhole Type A, 8' (2.44 m) Diameter	602416-06	602416-05
Precast Manhole Type A, 9' (2.74 m) Diameter	602421-06	602421-05
Precast Manhole Type A, 10' (3.05 m) Diameter	602426	n/a
Precast Valve Vault Type A, 4' (1.22 m) Diameter	602501-03	602501-02
Precast Valve Vault Type A, 5' (1.52 m) Diameter	602506	602501-02
Precast Reinforced Concrete Flat Slab Top	602601-05	602601-04

When manufacturing to the current standards, the following revisions to the Standard Specifications shall apply:

Revise Article 602.02(g) of the Standard Specifications to read:

"(g) Structural Steel (Note 4) 1006.04

Note 4. All components of the manhole joint splice shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable."

Add the following to Article 602.02 of the Standard Specifications:

"(s) Anchor Bolts and Rods (Note 5) 1006.09

Note 5. The threaded rods for the manhole joint splice shall be according to the requirements of ASTM F 1554, Grade 55, (Grade 380)."

Add the following paragraph after the first paragraph of Article 602.07 of the Standard Specifications:

"Threaded rods connecting precast sections shall be brought to a snug tight condition."

Revise the second paragraph of Article 1042.10 of the Standard Specifications to read:

"Catch basin Types A, B, C, and D; Manhole Type A; Inlet Types A and B; Drainage Structures Types 1, 2, 3, 4, 5, and 6; Valve Vault Type A; and reinforced concrete flat slab top

(Highway Standard 602601) shall be according to AASHTO M 199 (M 199M), except the minimum wall thickness shall be 3 in. (75 mm). Additionally, catch basins, inlets, and drainage structures shall have a minimum concrete compressive strength of 4500 psi (31,000 kPa) at 28 days and manholes, valve vaults, and reinforced concrete flat slab tops shall have a minimum concrete compressive strength of 5000 psi (34,500 kPa) at 28 days."

80393