

Tazewell County Highway Department

AUTHORIZATION TO BID FORM

Addenda will be published to our Bid Letting page in the same manner as the plans and specifications. It is the sole responsibility of the plan holders to periodically check the website for plan addenda.

ALL BIDDERS PLANNING TO PLACE A BID MUST FILL OUT THIS FORM TO BE AUTHORIZED TO BID.

- This form must be completed, signed and either faxed to (309) 925-5533 or emailed to jsciortino@tazewell-il.gov.
- Failure to submit this completed form will result in the bid not being accepted.
- Contractors may verify we have received their Authorization to Bid form by checking the **Plan Holders List** found under the corresponding letting date.
- If an email address is provided, a Notice of Addenda will be sent when updates are available.
- Bid results are typically posted by noon on the day of the letting and are preliminary until approved by the County Board on the last Wednesday of the month.

| Company Name: | | |
|-------------------|--|--|
| Address: | | |
| Addices. | | |
| Phone: | | |
| Fax: | | |
| Email: | | |
| Bid Letting Date: | | |
| | | |

Projects Intending to Bid on:

| Section Number: | Description: |
|-----------------|--------------|
| | |
| | |
| | |
| | |
| | |



Local Public Agency Formal Contract Proposal

| COVER SHEET | | | | | | | | | |
|---|--|-------------------|-------------------|--|--|--|--|--|--|
| Proposal Submitted By: | | | | | | | | | |
| Contractor's Name | | | | | | | | | |
| | | | | | | | | | |
| Contractor's Address | City | | State Zip Code | | | | | | |
| | | | | | | | | | |
| STATE OF ILLINOIS | | | | | | | | | |
| Local Public Agency | | County | Section Number | | | | | | |
| Tazewell County | | Tazewell | 24-00000-10-GM | | | | | | |
| Route(s) (Street/Road Name) | | | Type of Funds | | | | | | |
| Various | | | County Matching | | | | | | |
| ☐ Proposal Only ☐ Proposal and Plans ☐ Proposal only, plans | are separa | te | | | | | | | |
| Submitted/Approved For Local Public Agency: For a County and Road District Project | | For a l | Municipal Project | | | | | | |
| Submitted/Approved | Submitted/Approved/Passed | | | | | | | | |
| Highway Commissioner Signature & Date | Signature & Date | | | | | | | | |
| Submitted/Approved | Official | Title | | | | | | | |
| County Engineer/Superintendent of Highways Signature & Date | | | | | | | | | |
| Dan Parr Date: 2024.05.28 10:04:28 -05'00' | Department of Transportation Released for bid based on limited review | | | | | | | | |
| | Regiona | al Engineer Signa | ature & Date | | | | | | |

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

| Local Public Agency | County | Section Number | Route(s) (St | reet/Road Name) |
|----------------------------------|--|---|--------------------------|-----------------------|
| Tazewell County | Tazewell | 24-00000-10-GM | Various | |
| | | | | |
| | NOT | TICE TO BIDDERS | | |
| Sealed proposals for the project | ct described below will be recei | ived at the office of the County | Engineer | |
| | | | Name of O | |
| 21308 IL Route 9, Tremo | nt, IL 61568 | ι | _{until} 1:30 PM | on 06/17/24 |
| | Address | | Time | Date |
| Sealed proposals will be opene | ed and read publicly at the offic | _{e of} the County Engineer | | |
| | | | Name of Office | |
| 21308 IL Route 9, Tremo | nt, IL 61568 | | at 1:30 PM | on 06/17/24 |
| | Address | | Time | Date |
| | | | | |
| | DESC | CRIPTION OF WORK | | |
| Location | | | | Project Length |
| Various | | | | |
| Proposed Improvement | | | | |
| Installation of cured in pla | ace pipe lining at various | locations in Tazewell Count | ty | |
| • | | | | |
| | | | | |
| 1. Plans and proposal forms w | | | | |
| the Tazewell County Eng | jineer | | | |
| 21308 IL Route 9 | | | | |
| Tremont, IL 61568 | | | | |
| 2. Prequalification | | | | |
| triplicate, showing all unco | ompleted contracts awarded to | within 24 hours after the letting an them and all low bids pending aw rding Authority and two originals w | ard for Federal, St | ate, County, Municipa |
| | serves the right to waive techni uirements and Conditions for C | icalities and to reject any or all pro ontract Proposals. | oposals as provide | ed in BLRS Special |
| | shall be returned by the bidder Formal Contract Proposal (BLR | | | |

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

| Local Public Agency | | County | Section Number | Route(s) (Street/Road Name) |
|---------------------|----------------------------------|--|---|--|
| Tazewell County T | | Tazewell | 24-00000-10-GM | Various |
| | | | PROPOSAL | |
| 1. F | Proposal of | | | |
| | | | Contractor's Name | |
| | | Co | ntractor's Address | |
| 2. T | he plans for the proposed v | work are those prepared by the | e Tazewell County Highway | Department |
| | nd approved by the Departi | | , , | · |
| 5 | | Bridge Construction" and the | y the Department of Transportations and Supplemental Specifications and | on and designated as "Standard d Recurring Special Provisions" thereto, |
| | | accept, as part of the contract as" contained in this proposal. | , the applicable Special Provisions | s indicated on the "Check Sheet for |
| | The undersigned agrees to | | working days or by 1 | 1/15/24 unless additional time |
| į | s granted in accordance wi | th the specifications. | | |
| t | the award. When a contract | execute a contract and contra | posal guaranty check will be held i | eposit a contract bond for the full amount or in lieu thereof. If this proposal is accepted agreed that the Bid Bond of check shall be |
| t | the unit price multiplied by the | he quantity, the unit price shal | I govern. If a unit price is omitted | e is a discrepancy between the products of , the total price will be divided by the nit price nor a total price is shown. |
| 8. 1 | Γhe undersigned submits he | erewith the schedule of prices | on BLR 12201 covering the work | to be performed under this contract. |
| 5 | | | | e combinations on BLR 12201, the work I specified in the Schedule for Multiple Bids |
| 10. | A proposal guaranty in the | proper amount, as specified ir | BLRS Special Provision for Bidd | ing Requirements and Conditions for |
| (| Contract Proposals, will be | required. Bid Bonds Will | be allowed as a proposal gua | ranty. Accompanying this proposal is either |
| | | • | | lying with the specifications, made payable |
| | | | reasurer of Tazewell County | |
| ٦ | The amount of the check is | | | () |
| | | | | |
| | | Attach Cashier's | Check or Certified Check Here | |
| | sum of the proposal guarar | | for each individual bid proposal. I | als, the amount must be equal to the f the proposal guaranty check is |
| | The proposal guaranty che | ck will be found in the bid prop | posal for: Section Number | · |
| | | | | |

| Local Public Agency | County | Section Number | Route(s) (Street/Road Name) |
|---------------------|----------|----------------|-----------------------------|
| Tazewell County | Tazewell | 24-00000-10-GM | Various |

CONTRACTOR CERTIFICATIONS

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

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

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

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

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

| Local Public Agency County | | Section Number | Route(s) (Street/Road Name) | | | | | | |
|----------------------------|--------------------------|-------------------------|-----------------------------|--|--|--|--|--|--|
| Tazewell County | Tazewell | 24-00000-10-GM | Various | | | | | | |
| | SI | GNATURES | | | | | | | |
| (If an individual) | | Bidder Signature & Date | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | Business Address | | | | | | | |
| | | | | | | | | | |
| | | City | State Zip Code | | | | | | |
| | | | | | | | | | |
| /If a manta analaim) | | Firm Name | | | | | | | |
| (If a partnership) | | | | | | | | | |
| | | Signature & Date | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | Title | | | | | | | |
| | | | | | | | | | |
| | | Business Address | | | | | | | |
| | | | | | | | | | |
| | | City | State Zip Code | | | | | | |
| | | | | | | | | | |
| Insert the Names and Addre | esses of all Partners | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | Comparata Nama | | | | | | | |
| (If a corporation) | | Corporate Name | | | | | | | |
| | | Signature & Date | | | | | | | |
| | | Signature & Date | | | | | | | |
| | | | | | | | | | |
| | | Title | | | | | | | |
| | | THE | | | | | | | |
| | | Business Address | | | | | | | |
| | | | | | | | | | |
| | | City | State Zip Code | | | | | | |
| | | | | | | | | | |
| | In cont Name | Draaidant | | | | | | | |
| | Insert Names of Officers | President | | | | | | | |
| | | | | | | | | | |

| | Secretary | |
|-----------|-----------|--|
| Attest: | | |
| | Treasurer | |
| | | |
| | | |
| Secretary | | |



Contractor's Name

Schedule of Prices



| Contractor's Addre | ss | | Cit | ty | | | State | Zip Code |
|---------------------|---------------|-------------------------------|------------------------|-----------------------|----------------|-----|-----------|----------|
| | | | | | | | | |
| Local Public Agend | у | | | (| County | Sec | ction Nun | nber |
| Tazewell Count | У | | | | Tazewell | 24 | -00000- | -10-GM |
| Route(s) (Street/Ro | oad Name) | | | | | | | |
| Various | | | | | | | | |
| | | Sch | edule for Mu | Itiple Bids | 3 | | | |
| Combinat | ion Letter | Sec | ction Included | in Combir | nations | | | Total |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | hedule for S | | | | | |
| Item Number | 1 | mplete information co tems | vering these i Unit | tems, see Quantity | | | | Total |
| 1 | CURED-IN-PL | | Offic | Quantity | , Office field | | | Total |
| | PIPE LINING 2 | | FOOT | 138 | | | | |
| 2 | CURED-IN-PL | | | | | | | |
| | PIPE LINING | | FOOT | 125 | | | | |
| 3 | MOBILIZATIO | | L SUM | 1 | | | | |
| | | | | | | | | |
| | | | | | | | | |
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| | | | | | | | | |

- 1. Each pay item should have a unit price and a total price.
- 2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.

Bidder's Total Proposal

- 3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
- 4. A bid may be declared unacceptable if neither a unit price or total price is shown.



Local Public Agency Proposal Bid Bond

| Local Public Agency | | Cou | ınty | Section Number |
|---|---|--|--|---|
| Tazewell County | | Taz | zewell | 24-00000-10-GM |
| WE, | | | | as PRINCIPAL, and |
| | | | | as SURETY, are held jointly, |
| severally and firmly bound unto the above Local Public Agency (he price, or for the amount specified in the proposal documents in efficient ourselves, our heirs, executors, administrators, successors, a instrument. WHEREAS THE CONDITION OF THE FOREGOING OB proposal to the LPA acting through its awarding authority for the contract of the PRINCIPAL shall within fifteen (15) days after award enterperformance of the work, and furnish evidence of the required insurand Bridge Construction" and applicable Supplemental Specification full force and effect. IN THE EVENT the LPA determines the PRINCIPAL has | ect on the and assign: BLIGATION onstruction awarded to r into a foriurance covons, then to | date of in s, jointly p I IS SUCI of the wood the PRIM mal contractions of the second part of the second par | as "LPA") in the pritation for bids, oay to the LPA then that, the said Fork designated a NCIPAL by the Lact, furnish suret as provided in the said become | benal sum of 5% of the total bid whichever is the lesser sum. We is sum under the conditions of this PRINCIPAL is submitting a written s the above section. PA for the above designated section y guaranteeing the faithful ne "Standard Specifications for Road e void; otherwise it shall remain in |
| requirements set forth in the preceding paragraph, then the LPA a recover the full penal sum set out above, together with all court co IN TESTIMONY WHEREOF, the said PRINCIPAL a | sts, all atto | rney fees | s, and any other | expense of recovery. |
| respective officers this of | | | | |
| Day Month and Year | rincipal | | | |
| Company Name | | Company | y Name | |
| | | | | |
| Signature & Date | _ | Signature | e & Date | |
| By: | Ву: | | | |
| Title |] | Title | | |
| (If Principal is a joint venture of two or more contractors, the comp affixed.) | ⊐ any name: Surety | s, and aut | thorized signatur | es of each contractor must be |
| Name of Surety | ¬ | Signature | e of Attorney-in-F | Fact Signature & Date |
| | Ву: | | | |
| STATE OF IL | | | | |
| COUNTY OF | | | | |
| I | , a Notary | Public in | and for said cou | nty do hereby certify that |
| (Insert names of individuals signi who are each personally known to me to be the same persons wh PRINCIPAL and SURETY, appeared before me this day in person instruments as their free and voluntary act for the uses and purpos Given under my hand and notarial seal this Day | ose names and acknoses therein | s are subsowledged set forth. | scribed to the for respectively, tha | egoing instrument on behalf of at they signed and delivered said |
| (SEAL, if required by the LPA) | | | | |
| | | | Date commis | sion expires |

| Local | Public | : Agen | су | | | | | | | | | County | Section Number |
|--------------------|--------------------------|------------------|----------------------|-------------------|----------------|---------------|-------------------|-----------------|-----------------|----------------|-------------------------------------|--|--|
| Tazewell County | | | | | | | | | Tazewell | 24-00000-10-GM | | | |
| | | | | | | | | | =ELI | ECTR | ONIC BID BON | ND — | |
| Ele | ectro | nic bid | l bond | is allo | wed (| (box ı | must | be ch | ecke | d by | PA if electror | nic bid bond is allow | wed) |
| electro Princip | nic bi al an or mo | d bond d Sure | l ID cod ty are f | de and irmly b | signir ound | ng be unto | low, tl the Lf | he Pri PA un | ncipa der th | is er e cor | suring the iden ditions of the b | tified electronic bid b id bond as shown ab | esal Bid Bond Form. By providing an an about has been executed and the bove. (If PRINCIPAL is a joint venture to be affixed for each contractor in the |
| Electro | nic B | id Bon | d ID C | ode | | | | | | | Cor | mpany/Bidder Name | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | nature & Date | |
| | | | | | | | | | | | Title | 9 | |

INDEX FOR SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2024

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS and frequently used RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction

(Adopted 1-1-22) (Revised 1-1-24)

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Check Sheet for Recurring Special Provisions

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| _ocal Public A | Agency | | County | Section Number |
|----------------|-----------|--|---------------------|----------------------------|
| Tazewell C | ounty | | Tazewell | 24-00000-10-GM |
| Check this | s box for | lettings prior to 01/01/2024. | | |
| he Following | Recurring | g Special Provisions Indicated By An "X" Are Applicable To | This Contract And A | Are Included By Reference: |
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Station Numbers in Pavements or Overlays

 Local Public Agency
 County
 Section Number

 Tazewell County
 Tazewell
 24-00000-10-GM

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

Local Roads And Streets Recurring Special Provisions

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Tazewell County Sec. 24-00000-10-GM

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| SPRINGFIELD RD. PL | AN SHE | ET OF F | PIPE | | ē | | | | | ē | 16 |
| TOROGGAN RD PLAN | I SHEET | |)ES | | | | | | | | 17 |



Special Provisions



| Local Public Agency | Count | :y | Section Number |
|---|------------------------|---------------------------|-----------------------------|
| Tazewell County | Taze | well | 24-00000-10-GM |
| The following Special Provision supplement the "Sta | andard Specification | s for Road and Bridge Cor | struction", adopted |
| January 1, 2022 | , the latest edition c | of the "Manual on Uniform | Fraffic Control Devices for |
| Streets and Highways", and the "Manual of Test Procedures of Materials" in effect on the date of invitation of bids, and the Supplemental Specification and Recurring Special Provisions indicated on the Check Sheet included here in which apply to and govern the construction of the above named section, and in case of conflict with any parts, or parts of said Specifications, the sa Special Provisions shall take precedence and shall govern | | | |

DESCRIPTION OF WORK: The work of this section consists of the rehabilitation of existing pipe culverts utilizing cured in place resin impregnated tubes to line the interior circumference of the existing culvert pipes on Springfield Rd. (CH 1), & Toboggan Rd. (CH 14). The work may be performed using either Thermosetting Resin Cured-In-Place Pipe (Thermo CIPP) or Ultraviolet Light Cured Glass Reinforced Plastic Cured-In-Place Pipe (UV GRP CIPP).

TRAFFIC CONTROL PLAN: The County will supply Traffic control & flagging for each location as necessary. The contractor shall notify the Engineer at least one (1) week in advance of beginning work at the site which will require Traffic Control in order for the County to schedule their workforce, prepare traffic control and provide any advance notice to the public, as applicable.

BACKHOE & OPERATOR: The County will supply a Backhoe & Operator to assist during lining at no cost to the Contractor.

CURED-IN-PLACE PIPE LINING (CIPP): This work shall consist of furnishing all labor, equipment, materials, and technical assistance to install a resin impregnated tube tightly against the interior circumference of the existing pipe, including light cleaning and video inspection and recording. The existing pipe culvert is cleaned then video inspected and recorded. Any required remedial work on the existing pipeline, such as filling voids or enlarging narrowed locations, is performed. A resin-impregnated flexible tube is inserted into the existing pipeline for the full length of the existing pipe. The tube is expanded to fit against the original pipeline and then the resin is cured by exposure to mixed air and steam or hot water or exposure to ultraviolet light. The finished product is a jointless, structurally sound, smooth and watertight pipe.

The work and materials shall be in accordance with the applicable provisions of the latest versions of the following specifications in effect on the date of invitation for bids, which shall apply and govern as though written herein in full:

ASTM F2019 ASTM F1216 ASTM F1743 ASTM D543 ASTM D578 ASTM D638 ASTM D790 ASTM D2122

ASTM D3567 ASTM D5813

Experience: The Contractor must have had at least one (1) year active experience in the commercial installation of the product bid. In addition, the Contractor must have successfully installed at least 50,000 feet of the product bid in wastewater or stormwater conveying systems. The Contractor's Supervisor for this project shall have a minimum of one (1) year of experience in scheduling and all aspects of the cleaning and inspection of existing pipes, and the installation and post-installation inspection of the product bid and shall supervise on-site the cleaning and inspection of existing pipes, and the installation and post-installation inspection of the product bid. The Contractor's Supervisor or the Manufacturer shall have a minimum of three (3) years active experience in the wet-out of at least 350,000 feet of the product bid in wastewater or stormwater conveying systems, with a minimum 5,000 feet of 24" or larger, and such Contractor's Supervisor or Manufacturer shall perform the wet-out of the product bid. Documentation acceptable to the Engineer of these minimum installations, Supervisor experience and Manufacturer experience must be submitted with the Request for Authorization to Bid, including project description,

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project location, and municipal and/or engineering contacts.

Preparation: An inspection of pipe culverts to be lined shall be performed by the Contractor's experienced personnel, trained in locating breaks by closed-circuit television. The Contractor shall notify the Engineer a minimum of 48 hours in advance of the scheduled cleaning and pre-installation inspection of the existing pipes and shall accommodate the joint viewing of the cleaning and inspection by the Engineer or Engineer's designee.

The existing pipeline shall be cleaned with conventional sewer cleaning equipment which shall include but not be limited to hydraulically powered equipment, high-velocity jet cleaners, and mechanically powered equipment. The existing pipeline shall be cleared of all internal roots and debris as well as obstructions which may be removed with conventional sewer cleaning equipment as necessary to meet or exceed the manufacturer's specifications for liner installation. As many as two (2) cleaning passes are included in this work. All debris removed from the pipeline during the cleaning process shall be properly disposed of by the Contractor in accordance with Article 202.03 of the Standard Specifications for Road and Bridge Construction except that payment shall be considered as included in the contract unit prices for the various pay items for the applicable pipe culvert.

After the existing pipeline to be lined is thoroughly cleaned, inspection shall be made with a color pan and tilt, 360° rotating head camera specifically designed and constructed for sewer inspection that is recording via closed-circuit television. Lighting for the camera shall be provided which provides a clear picture of the entire periphery of the existing pipeline. The Contractor shall carefully inspect the interior of the pipeline to determine the need for plugging and by-passing to eliminate flow from the line section and to determine the nature and location of any conditions that may prevent proper installation of the resin impregnated tube as well as the curing and performance of the CIPP. Such limiting conditions may include protruding service taps, dropped joints, deteriorated pipe, missing sections of pipe, collapsed or crushed pipe, and reductions in the cross-sectional area of the pipe in excess of 40%. The Contractor shall log these conditions and their location and provide that information to the Engineer immediately. The Engineer shall determine whether such conditions prevent proper installation of the resin impregnated tube as well as the curing and performance of the CIPP, whether such conditions can be removed by conventional sewer cleaning equipment, whether a point repair should be performed and whether to proceed with CIPP of the applicable pipe culvert.

The Engineer may order a point repair to be performed by the Tazewell County Highway Department, by others or as extra work by the Contractor in accordance with Article 109.04 of the Standard Specifications for Road and Bridge Construction.

The Engineer may delete the work of CIPP for the subject culvert pipe from the contract and no additional compensation will be allowed. In addition, the provisions of Article 104.02(b) of the Standard Specifications for Road and Bridge Construction shall not apply.

The internal diameter of each pipe culvert shall be carefully measured at both ends and submitted to the Engineer prior to the ordering of the tube.

The closed-circuit television recordings, logs, and findings of the pre-installation inspection of the existing pipeline shall be submitted on media and in a format meeting the approval of the Engineer.

Delivery, Storage and Handling: Care shall be taken in shipping, handling and storage to avoid damaging the liner. The liner shall be adequately supported and protected at all times and shall be stored in a manner as recommended by the manufacturer and as approved by the Engineer. Any damaged liner shall be replaced by the Contractor and no additional compensation will be allowed.

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Materials: The structural design thickness calculations shall be submitted to and approved by the Engineer prior to ordering the tube. For design calculations, the CIPP shall be designed pursuant to the "fully deteriorated gravity pipe condition" and the following variables for each CIPP shall be as provided elsewhere within the specifications for this project:

H = Height of soil above crown of pipe (ft)

Bd = Trench width (ft)

w = Soil Density (lb/ft3)

Bc = Diameter of Pipe (in)

P = Wheel Load (lb)

Hw = Height of Water above top of pipe (ft)

No change of the materials, design values, or procedures as bid may be made without the prior written approval of the Engineer.

Any liner may be inspected by the Engineer for compliance with the specifications at any location including the manufacturing plant and the wet-out facility.

At the time of manufacture, each lot of tube liner shall be inspected for defects. At the time of delivery, the liner shall be homogeneous throughout, uniform in color, free of cracks, holes, foreign materials, blisters, and deleterious faults.

The Engineer may at any time direct the manufacturer to obtain compound samples and prepare test specimens in accordance with the latest applicable ASTM standards.

The wet out Tube shall have uniform thickness that when compressed at installation pressures will meet or exceed the Design thickness. The tube shall be constructed to withstand installation pulling force stresses and pressures, have sufficient strength to bridge missing portions of pipe, and stretch to fit irregular pipe sections. The Tube shall be sized such that when installed it will tightly fit the internal circumference and length of the original pipe. Allowance should be made for circumferential stretching during inversion. Overlapped layers of felt in longitudinal seams that cause lumps in the final product shall not be utilized.

The outside layer of the Tube (before wet out) shall be coated with an impermeable, flexible membrane that will contain the resin and facilitate monitoring of resin saturation during the resin impregnation (wet out) procedure. The external foils shall consist of one or more layers of tube-shaped plastic foils which are resistant and impermeable to moisture, are impermeable to styrene in cases where styrene based resin is used, and are light proof in cases where a ultraviolet light cured resin is used.

The Tube shall be homogeneous across the entire wall thickness containing no intermediate or encapsulated elastomeric layers. No material shall be included in the tube that may cause delamination in the cured CIPP. No dry or unsaturated layers shall be evident. The tube shall not have large wrinkles. All fins shall be removed from the liner after inspection.

Installation: If the cured CIPP does not fit tightly against the original pipe at the termination points, the space between the existing pipe and the CIPP should be sealed by filling with a resin mixture compatible with the CIPP.

Fit and Finish: The wall color of the interior pipe surface of the CIPP after installation shall be a light reflective color so that a clear detailed examination with closed-circuit television inspection equipment may be made. Seams in the tube shall be stronger than the non-seamed felt. The liner should be seamless in

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its cured state to insure homogenous physical properties around the circumference of the cured liner.

The cured CIPP shall be continuous over the entire length of an installation run and free of dry spots, lifts, and de-laminations. The cured CIPP shall be homogeneous throughout and free of any wrinkles, protrusions, holes, cracks, foreign material, blisters, or other deleterious faults or defects. The finished liner shall tightly conform to the walls of the existing culvert pipe.

Defects: Defects which the Engineer determines will affect the CIPP's structural integrity, hydraulic performance, future maintenance access, or overall pipeline performance shall be removed and replaced or repaired in a manner meeting these project specifications and meeting the approval of the Engineer and no additional compensation will be allowed.

Testing: Sufficient CIPP samples to ensure adequate supply of specimens for testing shall be provided in accordance with Section 7.1.1.1 or 7.1.2 of ASTM F2019 for each existing culvert nominal diameter pipe size lined for this project. Testing shall be performed by an independent third party certified laboratory.

The following tests shall be performed on the CIPP samples and reported:

- Short Term Flexural Properties of modulus of elasticity and flexural strength pursuant to Section 7.1.3.1 of ASTM F2019 (ASTM D790)
- CIPP Wall Thickness pursuant to ASTM D2122

The following tests shall be performed and reported by third party independent laboratories on the exact same resin and liner material combination used on this project, but not required to be from CIPP samples generated on this project:

- Long Term Flexural Properties of modulus of elasticity and flexural strength pursuant to ASTM 2990
- Chemical resistance in accordance with ASTM F1216, Appendix X2

Submittals: The following documentation shall be submitted to the Engineer in the manner stated:

- Documentation acceptable to the Engineer of the minimum installations, Supervisor experience and Manufacturer experience must be submitted with the Request for Authorization to Bid, including project description, project location, and municipal and/or engineering contacts.
- Log by location of conditions that may prevent proper installation of the resin impregnated tube as well as the curing and performance of the CIPP shall be provided to the Engineer immediately upon the completion of the inspection of each pipe culvert.
- The closed-circuit television recordings, logs, and findings of the pre-installation inspection of the existing pipeline shall be submitted on media and in a format meeting the approval of the Engineer.
- The name of the liner and resin manufacturer, the location of the facility where each are manufactured, and a list of appurtenant materials and accessories to be furnished shall be submitted to the Engineer prior to or together with the structural design thickness calculations.
- Independent third party certified laboratory test reports demonstrating that the exact same resin and liner material combination to be used for this project meets the requirements for initial structural properties and chemical resistance in accordance with the requirements for testing herein.

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- The internal diameter of each pipe culvert and the structural design thickness calculations and specification data listing all parameters used in those calculations shall be submitted to the Engineer for approval prior to ordering the tube. Approval of the design by the Engineer is required prior to ordering the tube.
- Available written warranties from the manufacturer of the wet-out liner.
- All curing records.
- The closed-circuit television recordings, log, and findings of the post-installation inspection of the CIPP shall be submitted on media and in a format meeting the approval of the Engineer.

The Contractor has the option of the following procedures for Cured-In-Place Pipe Lining.

PROCEDURE 1: THERMOSETTING RESIN CURED-IN-PLACE PIPE (THERMO CIPP): The special provision for Cured-In-Place Pipe Lining (CIPP) above shall apply to and govern the work of this item except as specifically modified herein. The resin system shall be cured by exposure to mixed air and steam or hot water.

Materials: The sewn Tube shall consist of one or more layers of absorbent non-woven felt fabric and meet the requirements of ASTM F1216. The minimum cured thickness of the tube shall be 15.0 mils for existing nominal 36" diameter pipe.

The resin system shall be a corrosion resistant polyester, vinyl ester, or epoxy and catalyst system that when properly cured within the tube composite meets the requirements of ASTM F1216, the physical properties herein, the special provision for Cured-In-Place Pipe Lining (CIPP), and those which are to be utilized in the design of the CIPP for this project.

Installation: The tube should be vacuum-impregnated with resin under controlled conditions. The volume of resin used should be sufficient to fill the voids in the tube material at a nominal thickness and diameter. The volume should be adjusted by adding 5 to 10% of excess resin for the change in resin volume due to polymerization and to allow for any migration of resin in the cracks and joints in the original pipeline.

The liner shall be installed using the inversion or pull-in method in accordance with ASTM F1216, Section 7. The impregnated tube shall be inserted through and expanded in the existing pipeline by approved methods and manufacturer's specifications. A suitable heat source to cure the tube to manufacturer's specifications shall be used to uniformly raise the temperature to affect a cure of the resin as recommended by the resin manufacturer. The heat source shall be fitted with suitable monitors to gage the temperature and pressure of incoming and outgoing curing supplies. Initial cure, post-cure, and cool-down pressures, temperatures, and time period requirements shall be as recommended by the resin manufacturer. Hot water or steam are acceptable mediums for curing.

PROCEDURE 2: ULTRAVIOLET LIGHT CURED GLASS REINFORCED PLASTIC CURED-IN-PLACE PIPE (UV GRP CIPP): The special provision for Cured-In-Place Pipe Lining (CIPP) above shall apply to and govern the work of this item except as specifically modified herein. The resin system shall be cured by exposure to ultraviolet light.

Materials: The sewn Tube shall consist of one or more layers of absorbent non-woven felt fabric and meet the requirements of ASTM F1216. The minimum cured thickness of the tube shall be 15.0 mils for existing nominal 36" diameter pipe.

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The resin system shall be polyester, vinylester, or orthothalic (either ppg or npg grade) depending on the choice of the engineer, with a catalyst system that when properly cured within the tube composite meets the physical properties of:

Flexural Modulus (minimum) 725,000 psi Flexural Strength (minimum) 15,000 psi Long term E-modulus 675,000 psi Long term tensile bending strength 13,500 psi

Refrigeration of the wetted tube is not necessary regardless of distance. The liquid UV resin shall saturate the tube and produce a properly cured liner which is resistant to abrasion due to solids, grit, and sand. Resins created from recycled materials are not allowed. Polyester, vinyl ester and catalyst system shall meet the requirements of ASTM F1216, shall withstand the corrosive effects of existing residential, commercial, industrial and agricultural liquids and/or gases.

The glass fiber tubing shall include an exterior and interior film that protects and contains the polyester, vinylester or ortho based resin used in the liner and ensures the liner remains intact during the insertion process and protects the resin from water and debris contamination as well as resin migration during the installation and curing process. The exterior film shall be provided with a UV light blocker foil.

The wet out of the liner must be done in an indoor environmentally controlled manufacturing setting. No onsite wet out will be allowed.

Installation: A constant tension winch should be used to pull the glass fiber liner into position in the existing pipeline. The liner shall have a lateral fiberglass reinforcement band which runs the entire length of the liner ensuring that the pulling force is transferred to the band and not the fiberglass liner. Once inserted, end plugs shall be used to cap each end of the glass fiber liner to prepare for pressurizing the liner. The end plugs should be secured with straps to prevent them from being expelled due to pressure. Liner restraints should be used in manholes.

A slip sheet shall be installed on the bottom one third to one half of the existing pipeline prior to liner insertion, for the purpose of protecting the liner during insertion and reduce the drag, or as recommend by the liner manufacturer.

The glass fiber liner shall be cured with ultraviolet light sources at a constant inner pressure. When inserting the curing equipment in the liner, care should be taken to not damage the inner film material.

The ultraviolet light sources should be assembled according to the manufacturer's specifications for the liner diameter. For the liner to achieve the required water tightness and specified mechanical properties, the following parameters must be controlled and recorded during the entire curing process to provide a record of the curing parameters over every segment of the entire length of the liner. The record of the controlled curing process shall demonstrate that the entire liner is cured properly.

The recording of the controlled curing process shall include:

Curing speed

Light source working & wattage

Inner air pressure

Curing temperatures

Date and time

Length of liner

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The controlled curing process and its recording shall be accomplished using infrared sensors, a computer and a data base that are tamper proof. The record of the controlled curing process shall be submitted to the Engineer on the same computer media format as both the pre-installation and post-installation closed-circuit television recordings.

The optimal curing speed, or travel speed, of the energized ultraviolet light sources, shall be determined for each length of liner based on liner diameter, liner thickness, and exothermic reaction temperature.

The inner film material should be removed and discarded after curing to provide optimal quality of the final product.

Basis of Payment: The work of this item shall be paid at the contract unit price per FOOT for CURED-IN-PLACE PIPE LINING, of the diameter specified.

WEIGHT LIMITS: Legal weight limits shall be observed on Tazewell County highways, Road District roads and the structures they contain at all times. The Contractor shall apply for overweight and over dimension permits in advance to avoid delays in work.

BRIDGE WEIGHT LIMITS: Any loads traveling over a county structure over legal weight shall require a load rating be done to ensure that the structure has adequate capacity to support the load.

GENERAL NOTES: Where section or subsection monuments are encountered, the Engineer shall be notified before such monuments are removed. The Contractor shall protect and carefully preserve all property markers and monuments until the owner, and authorized surveyor or agent has witnessed or otherwise referenced their location.

TIME SCHEDULE: The specified completion date for this project is November 15, 2024.

WAGES OF EMPLOYEES ON PUBLIC WORKS: Add the following to paragraph #1 of the Special Provision for Wages of Employees on Public Works, Check Sheet LRS#12: Prevailing wage rates may be obtained from the IDOL (Illinois Department of Labor) website at:

https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx

BDE SPECIAL PROVISIONS For the August 2 and September 20, 2024 Lettings

The following special provisions indicated by a "check mark" are applicable to this contract and will be included by the Project Coordination and Implementation Section of the Bureau of Design & Environment (BDE).

| File I | Name | # | | Special Provision Title | Effective | Revised |
|--------|----------------|----|---------------------|---|--------------------------------|------------------------------|
| | 30099 | | | Accessible Pedestrian Signals (APS) | April 1, 2003 | Jan. 1, 2022 |
| 8 | 30274 | 2 | | Aggregate Subgrade Improvement | April 1, 2012 | April 1, 2022 |
| 8 | 30192 | 3 | | Automated Flagger Assistance Devices | Jan. 1, 2008 | April 1, 2023 |
| 8 | 30173 | 4 | | Bituminous Materials Cost Adjustments | Nov. 2, 2006 | Aug. 1, 2017 |
| | 30426 | | | Bituminous Surface Treatment with Fog Seal | Jan. 1, 2020 | Jan. 1, 2022 |
| * 8 | 30241 | 6 | | Bridge Demolition Debris | July 1, 2009 | |
| * 5 | 5053I | 7 | | Building Removal | Sept. 1, 1990 | Aug. 1, 2022 |
| * 5 | 5026I | 8 | | Building Removal with Asbestos Abatement | Sept. 1, 1990 | Aug. 1, 2022 |
| 8 | 30449 | 9 | | Cement, Type IL | Aug. 1, 2023 | - |
| 8 | 30384 | 10 | | Compensable Delay Costs | June 2, 2017 | April 1, 2019 |
| * 8 | 30198 | 11 | | Completion Date (via calendar days) | April 1, 2008 | |
| | | 12 | | Completion Date (via calendar days) Plus Working Days | April 1, 2008 | |
| | | 13 | | Concrete Sealer | Nov. 1, 2023 | |
| | 30261 | 14 | | Construction Air Quality – Diesel Retrofit | June 1, 2010 | Nov. 1, 2014 |
| | 30434 | 15 | | Corrugated Plastic Pipe (Culvert and Storm Sewer) | Jan. 1, 2021 | |
| | 30029 | 16 | Ш | Disadvantaged Business Enterprise Participation | Sept. 1, 2000 | Mar. 2, 2019 |
| | | 17 | Ц | Fuel Cost Adjustment | April 1, 2009 | Aug. 1, 2017 |
| | | 18 | Ц | Full Lane Sealant Waterproofing System | Nov. 1, 2023 | |
| | | 19 | Ц | Grading and Shaping Ditches | Jan. 1, 2023 | |
| | 30433 | | 닏 | Green Preformed Thermoplastic Pavement Markings | Jan. 1, 2021 | Jan. 1, 2022 |
| | 30443 | | 빌 | High Tension Cable Median Barrier Removal | April 1, 2022 | |
| | 30456 | | 닏 | Hot-Mix Asphalt | Jan. 1, 2024 | |
| | 30446 | | \sqcup | Hot-Mix Asphalt - Longitudinal Joint Sealant | Nov. 1, 2022 | Aug. 1, 2023 |
| | 30438 | | 님 | Illinois Works Apprenticeship Initiative – State Funded Contracts | June 2, 2021 | April 2, 2024 |
| | 30045 | | \vdash | Material Transfer Device | June 15, 1999 | Jan. 1, 2022 |
| | 30450 | | 님 | Mechanically Stabilized Earth Retaining Walls | Aug. 1, 2023 | |
| | 30441 | | H | Performance Graded Asphalt Binder | Jan. 1, 2023 | |
| | 30451 | 28 | H | Portland Cement Concrete | Aug. 1, 2023 | |
| | 30459 | | H | Preformed Plastic Pavement Marking | June 2, 2024 | lam 4 0000 |
| | 34261 | 30 | H | Railroad Protective Liability Insurance | Dec. 1, 1986 | Jan. 1, 2022 |
| | 30455 30445 | | H | Removal and Disposal of Regulated Substances | Jan. 1, 2024 | April 1, 2024 |
| | | 33 | H | Seeding Short Term and Temporary Pavement Markings | Nov. 1, 2022 April 1, 2024 | April 2, 2024 |
| | 30437 | 34 | H | Source of Supply and Quality Requirements | Jan. 2, 2023 | April 2, 2024 |
| | 30440 | | H | Speed Display Trailer | April 2, 2014 | Jan. 1, 2022 |
| | 30340 | | H | Steel Cost Adjustment | April 2, 2014 April 2, 2004 | Jan. 1, 2022 Jan. 1, 2022 |
| | 30397 | | H | Subcontractor and DBE Payment Reporting | April 2, 2018 | Jan. 1, 2022 |
| | 30391 | | Ħ | Subcontractor Mobilization Payments | Nov. 2, 2017 | April 1, 2019 |
| | 30437 | | Ħ | Submission of Payroll Records | April 1, 2021 | Nov. 2, 2023 |
| | 30435 | | Ħ | Surface Testing of Pavements – IRI | Jan. 1, 2021 | Jan. 1, 2023 |
| | 30410 | | Ħ | Traffic Spotters | Jan. 1, 2019 | our. 1, 2020 |
| | 20338 | | Ħ | Training Special Provisions | Oct. 15, 1975 | Sept. 2, 2021 |
| | 30429 | | Ħ | Ultra-Thin Bonded Wearing Course | April 1, 2020 | Jan. 1, 2022 |
| | | 44 | $\overline{\times}$ | Vehicle and Equipment Warning Lights | Nov. 1, 2021 | Nov. 1, 2022 |
| | | 45 | П | Waterproofing Membrane System | Aug. 1, 2024 | , |
| | 30302 | | | Weekly DBE Trucking Reports | June 2, 2012 | Nov. 1, 2021 |
| | 30454 | | | Wood Sign Support | Nov. 1, 2023 | , |
| | 30427 | | | Work Zone Traffic Control Devices | Mar. 2, 2020 | |
| | 30071 | | | Working Days | Jan. 1, 2002 | |
| | | | | | | |

Highlighted items indicate a new or revised special provision for the letting.

An * indicates the special provision requires additional information from the designer, which needs to be submitted separately. The Project Coordination and Implementation Section will then include the information in the applicable special provision.

The following special provisions are in the 2024 Supplemental Specifications and Recurring Special Provisions.

| File Name | Special Provision Title | New Location(s) | <u>Effective</u> | Revised |
|-----------|---------------------------------|----------------------------|------------------|---------|
| 80436 | Blended Finely Divided Minerals | Articles 1010.01 & 1010.06 | April 1, 2021 | |
| 80440 | Waterproofing Membrane System | Article 1061.05 | Nov. 1, 2021 | |

VEHICLE AND EQUIPMENT WARNING LIGHTS (BDE)

Effective: November 1, 2021 Revised: November 1, 2022

Add the following paragraph after the first paragraph of Article 701.08 of the Standard Specifications:

"The Contractor shall equip all vehicles and equipment with high-intensity oscillating, rotating, or flashing, amber or amber-and-white, warning lights which are visible from all directions. In accordance with 625 ILCS 5/12-215, the lights may only be in operation while the vehicle or equipment is engaged in construction operations."

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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.

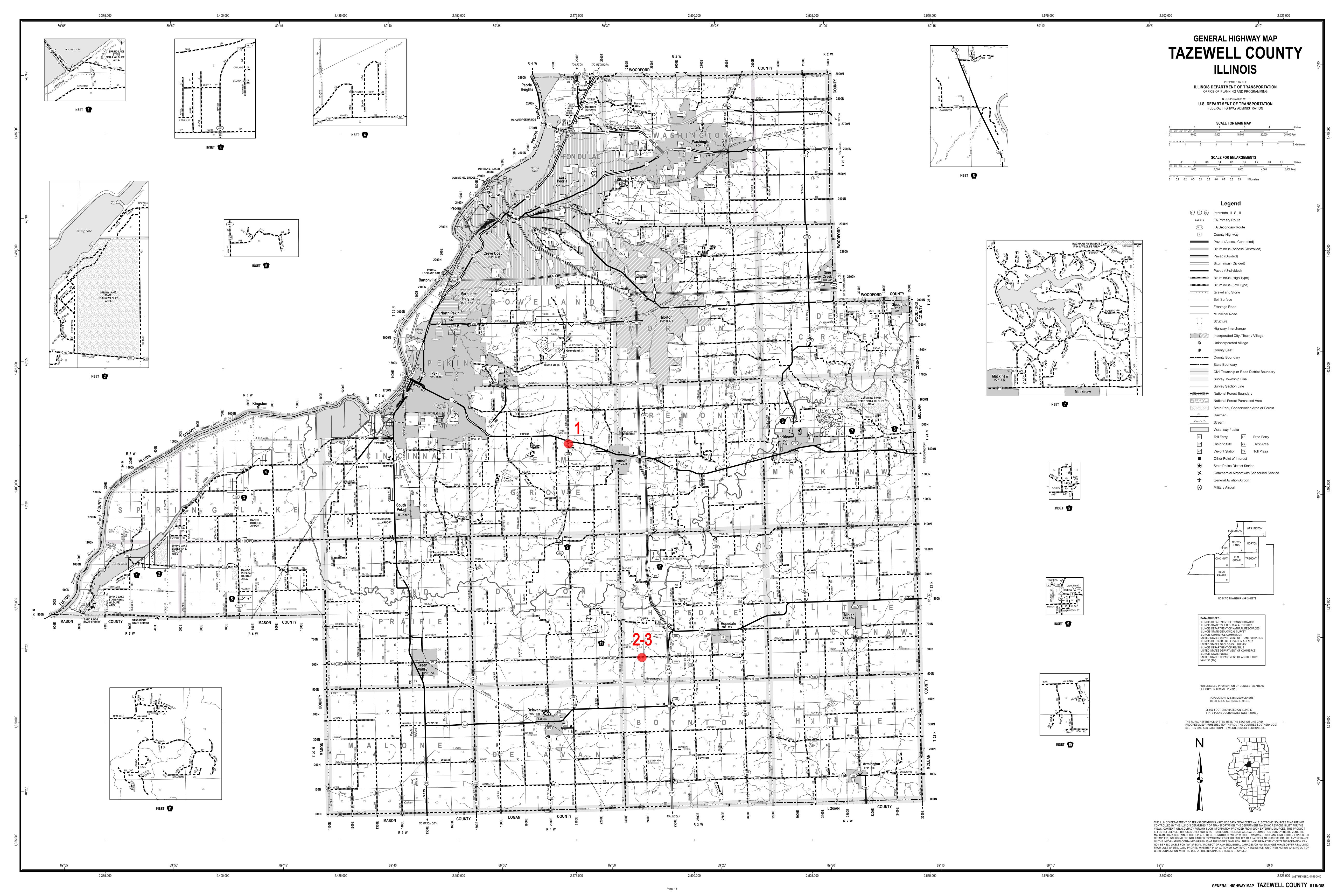
| The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27: |
|---|
| Tazewell County |
| |
| |
| |
| |
| |
| |
| The entities listed above and their officers, employees, and agents shall be indemnified and |

held harmless in accordance with Article 107.26.

SCHEDULE OF CURED-IN-PLACE PIPE CULVERTS

- 1 Springfield Rd. (CH 1) Sta. 4+95 Approximately 200' South of IL 9
 Existing 125' x 36" CMP
- 2 Toboggan Rd. (CH 14) Sta. 150+60 Approximately 200' West of Brownwood Rd. on North Side Existing 40' x 24" CMP
- Toboggan Rd. (CH 14) Sta. 151+80 Just West of Brownwood Rd. on North Side

 Existing 98' x 24" CMP



TABULATION OF QUANTITIES

| | | Location | | | |
|--------------------------------|-----|----------|----|-------|-------|
| Pay Item | 1 | 2 | 2 | Total | |
| CURED-IN-PLACE PIPE LINING 24" | | 40 | 98 | 138 | FOOT |
| CURED-IN-PLACE PIPE LINING 36" | 125 | | | 125 | FOOT |
| MOBILIZATION | | | | 1 | L SUM |

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Cured-In-Place Pipe Lining (CIPP)

Structural Thickness Design Variables

| | | Co. Hwy | | Н | Bd | W | Вс | Р | Hw |
|----------|-----------------|---------|---------|------|------|-----------------------|------|--------|------|
| Location | Road Name | Number | Station | [ft] | [ft] | [lb/ft ³] | [in] | [lb] | [ft] |
| 1 | Springfield Rd. | 1 | 4+95 | 12.5 | 3.0 | 120 | 36 | 20,000 | 10.6 |
| 2 | Toboggan Rd. | 14 | 150+60 | 4.0 | 2.0 | 120 | 24 | 20,000 | 2.0 |
| 3 | Toboggan Rd. | 14 | 151+80 | 4.0 | 2.0 | 120 | 24 | 20,000 | 2.0 |

H = Height of Soil Above Crown of Pipe (ft)

Bd = Trench Width (ft)

 $w = Soil Density (lb/ft^3)$

Bc = Diameter of Pipe (in)

P = Wheel Load (lb)

Hw = Height of Water Above Top of Pipe (ft)

