



COMPLEX PROJECTS  
REQUIRE RESOLVE  
THRASHER'S GOT IT

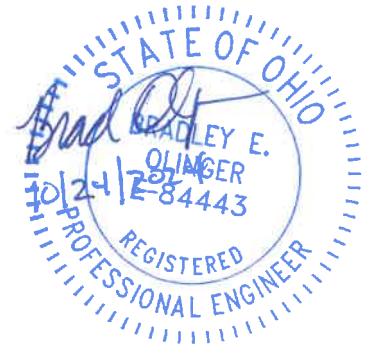
**CITY OF CORTLAND  
TRUMBULL COUNTY, OHIO**

**W MAIN ST WATER LINE REPLACEMENT**

**ADDENDUM #1**

**OCTOBER 24, 2024**

**THRASHER PROJECT #T10-11081**



TO WHOM IT MAY CONCERN:

The following are clarifications and responses to questions posed by contractors for the above-referenced project.

**A. GENERAL**

1. **THE BID FORM HAS BEEN REVISED. YOU MUST USE THE REVISED BID FORM WHEN PREPARING YOUR BID PACKAGE FOR THIS PROJECT.**

**B. QUESTIONS AND RESPONSES**

**1. QUESTION**

Norfolk Southern Permit – If not already obtained, will the owner be applying for and providing the proper entry permit for the jack and bore within Norfolk Southern property limits?

**RESPONSE**

The City has the permit.

**2. QUESTION**

Norfolk Southern Flagging and Track Monitoring – Per Norfolk Specs (NSCE-8), there are listed requirements of Flagging and Track monitoring during construction activities potentially up to a 24-hour basis. At this time, the amount of flagging / track monitoring personnel to be provided by Norfolk Southern and associated costs are unknown. Will these costs be the responsibility of the Owner?

**RESPONSE**

See attached Bid Form and Specification 012000 (Price and Payment), pages 12 and 13.

**3. QUESTION**

Project Schedule – What is the anticipated start time of construction for this project?

**RESPONSE**

Schedule will be coordinated with the selected contractor at the pre-construction meeting.

**4. QUESTION**

E&S Allowance Item – Item 22 on the Bid Form calls for the contractor to provide a storm water pollution prevention plan. Typically, when the contractor is to provide a SWPPP, an allowance item is offered for the implementation of control devices (inlet, protection, silt fence, seeding, etc.). Can this be offered?

**RESPONSE**

No, an allowance for the SWPPP will not be included.

**5. QUESTION**

Item 8 – 8” Water Main DIP – The bid quantity on the bid form is 475 LF. After reviewing the plans, it appears the plan quantity is well above the bid form. Please advise.

**RESPONSE**

See the revised Bid Form (attached).

If you have any questions or comments, please feel free to contact me at your earliest convenience at [bolinger@thethrashergroup.com](mailto:bolinger@thethrashergroup.com). As a reminder, bids will be received until 10:00 a.m. on Wednesday, November 6, 2024, at Cortland City Hall located at 400 N High St, Cortland, OH 44410. Good luck to everyone and thank you for your interest in the project.

Sincerely,  
THE THRASHER GROUP, INC.



Brad Olinger, PE  
Project Manager

# BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

## ARTICLE 1—OWNER AND BIDDER

1.01 This Bid is submitted to:

*City of Cortland  
400 North High Street  
Cortland, OH 44410*

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

## ARTICLE 2—ATTACHMENTS TO THIS BID

2.01 The following documents are submitted with and made a condition of this Bid:

A. Bid Opening Requirements

## ARTICLE 3—BASIS OF BID—LUMP SUM BID AND UNIT PRICES

### GENERAL

The Bidder shall take notice of and shall be responsible for any local or state taxes levied and applicable, and the cost for the same shall be included as part of the submitted Bid.

The total Bid cost stated includes a complete operating installation including furnishing and installation of any and all changes or additions in plans, piping, mechanical work, additional electrical work, accessories, controls, etc. necessary to accommodate alternative equipment systems or materials used in construction.

### BID PROPOSAL

The Bidder agrees to perform all required Work described in the detailed Specifications and as shown on the Plans for the complete construction and placing in satisfactory operation the **W Main St Water Line Replacement Project**. The Project "Sequence of Construction" has been detailed in the Drawings and Specification Division 1, Project Summary, Section 011000. The Bidder agrees to perform all the Work proposed for the total of the following Bid prices.

3.01 *Lump Sum Bids*

~~A. Bidder will complete the Work in accordance with the Contract Documents for the lump sum (stipulated) price(s), together with any Unit Prices indicated in Paragraph 3.02 and shown in the bid schedule.~~

~~B. Lump Sum Bids may be one of the following:~~

~~1. Lump Sum Price (Single Lump Sum)~~

~~2. Lump Sum Price (Base Bid and Alternates)~~

~~3. Lump Sum Price (Sectional Lump Sum Bids)~~

~~C. All specified cash allowance(s) are included in the price(s) set forth in the bid schedule and have been computed in accordance with Paragraph 13.02 of the General Conditions.~~

~~D. All specified contingency allowances are included in the price(s) set forth in the bid schedule and have been computed in accordance with Paragraph 13.02 of the General Conditions.~~

3.02 *Unit Price Bids*

A. Bidder will perform the following Work at the indicated unit prices as shown in the Bid Schedule.

B. Bidder acknowledges that:

1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor’s overhead and profit for each separately identified item, and
2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

3.03 *Total Bid Price (Lump Sum and Unit Prices)*

**PROPOSED  
 W MAIN ST WATER LINE REPLACEMENT  
 FOR THE**

**CITY OF CORTLAND  
 TRUMBULL COUNTY, OHIO  
 THRASHER PROJECT #T10-11081**

**BID SCHEDULE**

BASE BID						
Item #		DESCRIPTION	QTY.	UNIT	UNIT COST	COST
1		MOBILIZATION / DEMOBILIZATION	1	LS		
2		CONSTRUCTION LAYOUT STAKES AND SURVEYING	1	LS		
3		TRAFFIC CONTROL	1	LS		
4		PRE-CONSTRUCTION VIDEO	1	LS		

BASE BID						
Item #		DESCRIPTION	QTY.	UNIT	UNIT COST	COST
5		FIRE HYDRANT, REMOVED	8	EA		
6		6 IN FIRE HYDRANT AND VALVE	9	EA		
7		6" WATER MAIN DIP, ANSI CLASS 52, MECHANICAL JOINTS AND FITTINGS	230	LF		
8		8" WATER MAIN DIP, ANSI CLASS 52, MECHANICAL JOINTS AND FITTINGS	575	LF		
9		8" GATE VALVE AND VALVE BOX	2	EA		
10		12" WATER MAIN DIP, ANSI CLASS 52, MECHANICAL JOINTS AND FITTINGS	1,475	LF		
11		12" GATE VAVLE AND VALVE BOX	4	EA		
12		18" STEEL CASING (JACK AND BORE)	60	LF		
13		CONNECT TO EXISTING SERVICE	40	EA		
14		FULL DEPTH PAVEMENT SAWING	5,000	LF		
15		4" 301- ASPHALT CONCRETE BASE	145	CY		
16		3" 441- TYPE 1 INTERMEDIATE COURSE ASPHALT CONCRETE	105	CY		
17		1.5"441-TYPE 1 SURFACE COURSE ASPHALT CONCRETE	55	CY		
18		NON-TRACKING TACK COAT (0.085GAL/SY)	1,000	GAL		
19		CURB REMOVAL AND REPLACEMENT	150	LF		
20		BRICK REMOVAL AND REPLACEMENT	180	SF		
21		4" CONCRETE SIDEWALK REMOVAL AND REPAIR	150	LF		

BASE BID						
Item #		DESCRIPTION	QTY.	UNIT	UNIT COST	COST
22		STORM WATER POLLUTION PREVENTION PLAN	1	LS		
23		DUST CONTROL	1	LS		
24		<b>CONTRACTOR'S RAILROAD PROTECTION SERVICES, INSURANCE, INSPECTION AND COORDINATION</b>	<b>1</b>	<b>LS</b>		

**TOTAL BID ACTIVITY (GENERAL)**\_\_\_\_\_

**NOTE: THE CONTRACTOR'S UNIT PRICES SHALL INCLUDE PURCHASE AND INSTALLATION, COMPLETE IN PLACE, PER BID ITEM IN ACCORDANCE WITH THE DETAILED SPECIFICATIONS.**

Bidder acknowledges that (1) each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and (2) estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all unit price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

3.04 *Method of Award [NOTE: Select the proper Method shown below including Alternates if utilized]*

**[Method of Award = Lowest Qualified Bidder (Regular)]**

If at the time this contract is to be awarded, the lowest total bid submitted by a qualified, responsive, responsible Bidder does not exceed the amount of funds then estimated by the Owner, as available to finance the contract, the construction contract will be awarded. If such bids exceeds such amount, the owner may reject all bids.

- A. Unit prices have been computed in accordance with paragraph 13.03.A of the General Conditions.
- B. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

**{OR}**

**~~[Method of Award = Lowest Qualified Bidder (Deductive Alternate)]~~**

~~———— If at the time this Contract is to be awarded, the lowest total bid submitted by a qualified, responsive, responsible bidder, as listed in contract does not exceed the amount of funds estimated by the Owner, as available to finance the contract, the construction contract will be awarded. If such bids exceeds such amount, the Owner may reject all bids. The Owner may award the contract on the total bid submitted by a qualified, responsive, responsible bidder, less the amount(s) of the deductive alternate(s) subtracted in numerical order to produce the lowest bid within the funds available for financing.~~

~~A. — Unit prices have been computed in accordance with paragraph 13.03.A of the General Conditions.~~

~~B. — Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.~~

**{OR}**

~~**{Method of Award – Lowest Qualified Bidder (Additive Alternates)}**~~

~~*{Apply in numerical order as in deductive}*~~

~~———— If at the time this contract is to be awarded, the lowest total bid submitted by a qualified, responsive, responsible Bidder does not exceed the amount of funds then estimated by the Owner, as available to finance the contract, the construction contract will be awarded. Awarding of Additive Alternate(s) will not affect the lowest Bidder. If such bids exceed such amount, the Owner may reject all bids.~~

~~The Owner will award the contract on the total base bid amount inclusive or exclusive of alternates as determined by the Owner and submitted by a qualified, responsive, responsible Bidder. The Owner may elect to award any or all of the additive alternates in no particular order.~~

~~A. — Unit prices have been computed in accordance with paragraph 13.03.A of the General Conditions.~~

~~B. — Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.~~

**{OR}**

~~**{Method of Award – Lowest Qualified Bidder (Multiple Contracts)}**~~

~~*{Only if Necessary, If one company bids all contracts, they can add a % deduction to their total bid}*~~

~~———— If at the time this contract is to be awarded, the lowest total bid submitted by a qualified, responsive, responsible Bidder does not exceed the amount of funds then estimated by the Owner, as available to finance the contract, the construction contract will be awarded. If such bids exceeds such amount, the owner may reject all bids. The Owner may award the contract on the total bid submitted~~

~~by a qualified, responsive, responsible bidder after apply the % deduct, if offered, as listed in contract to produce the lowest bid within the funds available for financing.~~

- ~~A. Unit prices have been computed in accordance with paragraph 13.03.A of the General Conditions.~~
- ~~B. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.~~

**{OR}**

**{Method of Award – Lowest Qualified Bidder (Alternate Bids)}**

~~— If at the time this contract is to be awarded, the lowest total bid or either alternate total bid submitted by a qualified, responsive, responsible Bidder does not exceed the amount of funds then estimated by the Owner, as available to finance the contract, the construction contract will be awarded. If such bids exceeds such amount, the owner may reject all bids. The Owner may award the contract on the total bid or either alternate total bid submitted by a qualified, responsive, responsible bidder less the amount of the deductive alternate as listed in contract to produce the lowest bid within the funds available for financing.~~

- ~~A. Unit prices have been computed in accordance with paragraph 13.03.A of the General Conditions.~~
- ~~B. Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.~~

**ARTICLE 4 – BASIS OF BID – COST PLUS FEE**

~~4.01 The Contract Price will be the Cost of the Work, determined as provided in Paragraph 13.01 of the General Conditions, together with the following fee, and subject to the Guaranteed Maximum Price.~~

~~4.02 Contractor’s Fee~~

- ~~A. Contractor’s fee will be [number] percent of the Cost of the Work. No fee will be payable on the basis of costs itemized as excluded in Paragraph 13.01.C of the General Conditions.
 
  - ~~1. The maximum amount payable by Owner as a percentage fee (Guaranteed Maximum Fee) will not exceed \$[insert cap amount], subject to increases or decreases for changes in the Work.~~~~
- ~~B. Contractor’s fee will be determined by applying the following percentages to the various portions of the Cost of the Work as defined in Article 13 of the General Conditions. No fee will be payable on the basis of costs itemized as excluded in Paragraph 13.01.C of the General Conditions:~~

<b>Costs</b>	<b>Percent</b>
Payroll costs (See Paragraph 13.01.B.1, General Conditions)	
Materials and Installed Equipment cost (GC 13.01.B.2)	
Amounts to be paid to Subcontractors (GC 13.01.B.3)	



Amount to be paid to special consultants (GC 13.01.B.4)	
Other costs (GC 13.01.B.5)	

1. The maximum amount payable by Owner as a percentage fee (Guaranteed Maximum Fee) will not exceed ~~\$(insert cap amount)~~, subject to increases or decreases for changes in the Work.

C. Contractor's fee will be the fixed sum of ~~\$(number)~~.

4.03 *Guaranteed Maximum Price*

A. The Guaranteed Maximum Price to Owner of the Cost of the Work including Contractor's Fee will not exceed ~~\$(Bidder fill in GMP)~~.

Deleted

~~ARTICLE 5 PRICE PLUS TIME BID~~

5.01 *Price Plus Time Contract Award (Stipulated Price Contract)*

A. The Bidder to which an award of the Contract will be made will be determined in part on the basis of the Total Bid Price and the total number of calendar days to substantially complete the Work, in accordance with the following:

	Description		Amount
A	1. Total Bid Price		\$(number)
	2. Total number of calendar days to substantially complete the Work	{number} days	
	3. Liquidated Damages Rate (from Agreement)	\$(number)/day	
B	4. Adjustment Amount (2 x 3)		\$(number)
A+B	5. Amount for Comparison of Bids		\$(number)

B. The purpose of the process in the table above is only to calculate the lowest price plus time (A+B) bid amount for bid comparison purposes. The price for completion of the Work (the Contract Price) is the Total Bid Price.

C. Bonds required under Paragraph 6.01 of the General Conditions will be based on the Contract Price.

5.02 *Price Plus Time Contract Award (Cost Plus Fee with Guaranteed Maximum Price Contract)*

A. The Bidder to which an award of Contract will be made will be determined in part on the basis of the Guaranteed Maximum Price and the total number of calendar days to substantially complete the Work, in accordance with the following:

	Description		Amount
A	1. Guaranteed Maximum Price		\$(number)
	2. Total number of calendar days to substantially complete the Work	{number} days	
	3. Liquidated Damages Rate (from Agreement)	\$(number)/day	
B	4. Adjustment Amount (2 x 3)		\$(number)
A+B	5. Amount for Comparison of Bids		\$(number)

B. The purpose of the process in the table above is only to calculate the lowest price plus time (A+B) bid amount for bid comparison purposes. The price for completion of the Work (the Contract Price) is based on the cost of the Work, plus a fee, subject to a guaranteed maximum price, as set forth in the Agreement.

C. Bonds required under Paragraph 6.01 of the General Conditions will be based on the Contract Price.

Deleted

## ARTICLE 6—TIME OF COMPLETION

6.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

6.02 ~~Bidder agrees that the Work will be substantially complete on or before [Bidder inserts date], and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before [Bidder inserts date].~~

### **Deleted**

6.03 ~~Bidder agrees that the Work will be substantially complete within [Bidder inserts number] calendar days after the date when the Contract Times commence to run as provided in Paragraph 4.01 of the General Conditions, and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions within [Bidder inserts number] calendar days after the date when the Contract Times commence to run.~~

### **Deleted**

6.04 Bidder accepts the provisions of the Agreement as to liquidated damages.

## ARTICLE 7—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

### 7.01 *Bid Acceptance Period*

A. This Bid will remain subject to acceptance for 90 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

### 7.02 *Instructions to Bidders*

A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

### 7.03 *Receipt of Addenda*

A. Bidder hereby acknowledges receipt of the Addenda: **ACKNOWLEDGE IN BOR-4.**

## ARTICLE 8—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS

### 8.01 *Bidder's Representations*

A. In submitting this Bid, Bidder represents the following:

1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.

6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

#### 8.02 *Bidder's Certifications*

##### A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
  - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
  - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
  - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
  - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

\_\_\_\_\_

*(typed or printed name of organization)*

By:

\_\_\_\_\_

*(individual's signature)*

Name:

\_\_\_\_\_

*(typed or printed)*

Title:

\_\_\_\_\_

*(typed or printed)*

Date:

\_\_\_\_\_

*(typed or printed)*

*If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.*

Attest:

\_\_\_\_\_

*(individual's signature)*

Name:

\_\_\_\_\_

*(typed or printed)*

Title:

\_\_\_\_\_

*(typed or printed)*

Date:

\_\_\_\_\_

*(typed or printed)*

Address for giving notices:

\_\_\_\_\_  
\_\_\_\_\_

Bidder's Contact:

Name:

\_\_\_\_\_

*(typed or printed)*

Title:

\_\_\_\_\_

*(typed or printed)*

Phone:

\_\_\_\_\_

Email:

\_\_\_\_\_

Address:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Bidder's Contractor License No.: (if applicable)

\_\_\_\_\_

## SECTION 012000 - PRICE AND PAYMENT PROCEDURES

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract Documents, including General and Supplementary Conditions, and all related Specification Sections, apply to this Section.

#### 1.2 SECTION INCLUDES

- A. Cash allowances.
- B. Schedule of Values.
- C. Application for Payment.
- D. Measurement and Payment

#### 1.3 CASH ALLOWANCES (If provided in the Bid Form)

- A. Costs Included in Cash Allowances: Cost of product to Contractor or Subcontractor, less applicable trade discounts; delivery to Site and applicable taxes unless stated otherwise in Allowance Schedule.
- B. Costs Not Included in Cash Allowances but Included in Contract Sum/Price: Product handling at Site including unloading, uncrating, and storage; protection of products from elements and from damage; and labor for installation and finishing unless stated otherwise in Allowance Schedule.
- C. Engineer Responsibilities:
  - 1. Consult with Contractor for consideration and selection of products suppliers and installers.
  - 2. Select products in consultation with Owner and transmit decision to Contractor.
  - 3. Prepare Change Order.
- D. Contractor Responsibilities:
  - 1. Assist Engineer in selection of products, suppliers, and installers.
  - 2. Obtain proposals from suppliers and installers and offer recommendations.
  - 3. Upon notification of selection by Engineer, execute purchase agreement with designated supplier and installer.
  - 4. Arrange for and process Shop Drawings, Product Data, and Samples. Arrange for delivery.
  - 5. Promptly inspect products upon delivery for completeness, damage, and defects. Submit claims for transportation damage.

City of Cortland  
W Main St Water Line Replacement

- E. Differences in costs will be adjusted by Change Order.
  - F. Allowance Schedule: If provided in and as per the Bid Form
  - G. Differences in cost between allowance(s) and actual cost(s) will be adjusted by Change Order.
- 1.4 SCHEDULE OF VALUES (As required for Lump Sum Project or Bid Item Breakdown on Unit Price Project)
- A. Submit printed schedule on Progress Estimate schedule on EJCDC C-620.
  - B. Submit Schedule of Values within 20 days after date established in Notice to Proceed.
  - C. Format for Lump Sum Project: Use Table of Contents of this Project Manual. Identify each line item with number and title of major Specification Section.
  - D. Revise schedule to list approved Change Orders with each Application for Payment.
- 1.5 APPLICATION FOR PAYMENT
- A. Submit six (6) executed copies of each Application for Payment on EJCDC C-620 - Contractor's Application for Payment.
  - B. Submit six (6) copies of executed copies of Abnormal Weather Conditions forms regardless if any days are claimed or not and Affidavit of Payment.
  - C. Submit six (6) American Iron and Steel Qualifying and De Minimus Materials List (if required by the Contract Documents).
  - D. Payment Period: Submit at intervals stipulated in the Agreement.
- 1.6 MEASUREMENT AND PAYMENT
- A. Take measurements and compute quantities. Engineer will verify measurements and quantities.
  - B. Unit Quantities: Quantities and measurements indicated on Bid Form are for Contract purposes only. Actual quantities provided shall determine payment.
  - C. Payment Includes: Full compensation for required labor, products, tools, equipment, plant and facilities, transportation, services and incidentals; erection, application, or installation of item of the Work; overhead and profit.
  - D. Final payment for Work governed by unit prices will be made on basis of actual measurements and quantities accepted by Engineer multiplied by unit sum/price for Work incorporated in or made necessary by the Work.
  - E. Measurement of Quantities:

City of Cortland  
W Main St Water Line Replacement

1. Weigh Scales: Inspected, tested, and certified by state in which work is being performed or state of origin of materials within past year.
2. Platform Scales: Of sufficient size and capacity to accommodate conveying vehicle.
3. Metering Devices: Inspected, tested, and certified by state in which work is being performed or state of origin of materials within past year.
4. Measurement by Weight: Concrete reinforcing steel, rolled or formed steel, or other metal shapes will be measured by handbook weights. Welded assemblies will be measured by handbook or scale weight.
5. Measurement by Volume: Measured by cubic dimension using mean length, width, and height or thickness.
6. Measurement by Area: Measured by square dimension using mean length and width or radius.
7. Linear Measurement: Measured by linear dimension, at item centerline or mean chord.
8. Stipulated Sum/Price Measurement: Items measured by weight, volume, area, or linear means or combination, as appropriate, as completed item or unit of the Work.

F. Payment

1. **General Conditions, Supplemental General Conditions, Specification Section 011000 through 017839 Except for General Conditions - Mobilization/Demobilization, Section 015000 - Temporary Facilities and Controls and Section 015700 Traffic Control.**

**Incidental**

- A. The cost of this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which it is required.
- B. No additional compensation shall be made.

2. **General Conditions – Mobilization/Demobilization**

**Bid Item 1 – Mobilization/Demobilization – Lump Sum**

- A. When a lump sum bid item for Mobilization/Demobilization is provided in the Bid Form, this work shall be paid for at the lump sum bid price for construction preparatory operations including, but not limited to, the movement of personnel and equipment to the project site and the establishment of field office(s), building(s), and/or other facilities, payment of all bonding and insurance costs incurred by the Contractor, and the installation of the project sign if a sign is required in the Supplemental General Conditions.

In no case shall the lump sum bid price for Mobilization/Demobilization exceed five percent (5%) of the total bid.

Partial payment not exceeding three percent (3%) of the awarded total contract bid price shall be made as part of the first application for payment after mobilization is completed. The balance of this lump sum bid price shall be paid for as part of the first application for payment after final completion.

No deduction shall be made, nor shall any increase be made, in the lump sum bid price for Mobilization regardless of any decreases or increases in the final total contract price or for any other cause.

- B. When a bid item for Mobilization/Demobilization is not provided in the Bid Form, this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which mobilization/demobilization is required.
- C. No additional compensation shall be made.

**3. Section 015000 – Temporary Facilities and Controls**

**Incidental**

- A. When a lump sum bid item for Field Office and Sheds is provided in the Bid Form, this work shall be paid for on a prorated basis over the contract length to final completion based on the lump sum bid price.
- B. When a per month bid item for Field Office and Sheds is provided in the Bid Form, this work shall be paid for at the per month bid price.
- C. When a lump sum bid item for Field Office and Sheds is not provided in the Bid Form and a lump sum bid item for Mobilization/Demobilization is provided in the Bid Form, this work shall be included in the lump sum bid price for Mobilization/Demobilization.
- D. When neither a lump sum bid item for Field Office and Sheds is provided in the Bid Form nor a lump sum bid item for Mobilization is provided in the Bid Form, the cost for Field Office and Sheds shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which the Field Office and Sheds are required. No additional compensation shall be made.

**4. Section 015700 – Traffic Control**

**Bid Item 3 – Traffic Control – Lump Sum**

- A. When a Lump Sum bid item for Traffic Control is provided in Bid Form, this work shall be paid for at the lump sum bid price or unit bid price.
- B. When a bid item for Traffic Control is not provided in the Bid Form, this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which Traffic Control is required.
- C. No additional compensation shall be made.

**5. Section 024010 – Video Recording**

**Bid Item 4 – Pre-Construction Video Recording – Lump Sum**

- A. When a lump sum bid item for Pre-Construction Video Recording is provided in the Bid Form, this work shall be paid for at the lump sum bid price for all location(s) directly and/or indirectly affected by the project.



- B. When a bid item for Pre-Construction Video Recording is not provided in the Bid Form, this work will be completed by others and will not be part of the Contractor's work.

**6. Section 033000 – Cast-in-Place Concrete**

**Incidental**

- A. The cost of this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which cast-in-place concrete is required.
- B. No additional compensation shall be made.

**7. Section 310513 – Soils for Earthwork**

**Incidental**

- A. The cost for this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which soils for earthwork is required.
- B. No additional compensation shall be made.

**8. Section 310516 – Aggregates for Earthwork**

**Incidental**

- A. The cost for this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which aggregates for earthwork is required.
- B. No additional compensation shall be made.

**9. Section 311100 – Clearing, Grubbing, and Restoration**

**Clearing, Grubbing, and Restoration - Incidental**

- A. The cost for this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which clearing and/or grubbing are required.
- B. No additional compensation shall be made.
- C. All trees and vegetation within temporary construction easement limits shall be cleared (and grubbed if so specified) unless the property owner indicates in writing that certain trees are to remain and that the property owner will assume all responsibilities for removal of the trees in the future. Any such letter from the property owner shall be submitted to the Engineer for the record.

**10. Section 312316 – Excavation**

**Incidental**

- A. The cost of this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which excavation is required. No additional compensation shall be made.
- B. Unless otherwise provided, all excavation shall be unclassified regardless of the material encountered. No additional compensation shall be made for rock or any soft or otherwise unsuitable material. No additional compensation shall be made for dewatering and/or sheet piling.

**11. Section 312316.13 – Trenching**

**Incidental**

- A. The cost of this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which trenching is required. No additional compensation shall be made.
- B. Unless otherwise provided, all excavation shall be unclassified regardless of the material encountered. No additional compensation shall be made for rock or any soft or otherwise unsuitable material. No additional compensation shall be made for dewatering and/or sheet piling.

**12. Section 312319 – Dewatering**

**Incidental**

- A. The cost of this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which dewatering is required.
- B. No additional compensation shall be made.

**13. Section 312323.33 – Flowable Fill**

**Incidental**

- A. The cost of this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which flowable fill is required.
- B. No additional compensation shall be made.

**14. Section 312500 – Erosion and Sedimentation Controls**

**Bid Item 22 – Erosion and Sedimentation Controls – Lump Sum**

**Bid Item 23 – Dust Control – Lump Sum**

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- A. When a lump sum bid item of Erosion and Sedimentation Controls is provided in the Bid Form, this work shall be paid for at the lump sum bid price for all erosion and sedimentation controls at all locations directly and/or indirectly disturbed by the project.

All operation and maintenance costs as well as recordkeeping and reporting costs shall be included in the lump sum bid item.

- B. When a bid item for Erosion and Sediment Controls is not provided in the Bid Form, this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for the bid item(s) for which Erosion and Sediment Controls are required.

All operation and maintenance costs as well as recordkeeping and reporting costs shall be included.

No additional compensation shall be made.

**15. Section 321216 – Concrete Resurfacing, Crushed Stone Resurfacing, and Asphalt Paving**

**Bid Item 14 – Full Depth Pavement Sawing – Per Linear Foot**

**Bid Item 15 – 4” 301 Asphalt Concrete Base – Per Cubic Yard**

**Bid Item 16 – 3” 441 Type 1- Intermediate Course Asphalt Concrete – Per Cubic Yard**

**Bid Item 17 – 1.5” 441 Type 1 – Surface Course Asphalt Concrete – Per Cubic Yard**

**Bid Item 18 – Non-Tracking Tack Coat – Per Gallon**

**Bid Item 19 – Curb Removal and Replacement – Per Linear Foot**

**Bid Item 20 – Brick Removal and Replacement – Per Square Foot**

**Bid Item 21 – 4” Concrete Sidewalk Removal and Replacement – Per Linear Foot**

- A. Trench repairs, street, roadway, and driveway asphalt driveway repairs, bituminous concrete curb, and crushed stone repairs as required in the Drawings and/or Specifications shall be paid for at the linear foot unit bid price(s) for the type of repair and/or curb specified measured along the centerline of the utility pipe.
- B. Improved and unimproved areas disturbed by the Contractor in areas where utility pipe is not installed shall be repaired by the Contractor at his expense at no additional cost to the Owner. No additional compensation shall be made.
- C. When a cubic yard bid item for Asphalt Concrete Pavement is provided in the Bid Form, the cost for pavement of Type (X) shall be paid for at the cubic yard unit bid price(s) for the depth (Y”) specified and/or shown in the Drawings.
1. The designation of (Y”) and (X) in the Bid Item is provided in the Bid Form.
  2. The cost for pavement shall include removal of existing pavement, pavement markings to match the existing pavement markings that are milled.

- D. Pavement, graveled areas, curb, and/or sidewalk and vegetated areas disturbed by the Contractor in areas where utility pipe is not installed shall be replaced by the Contractor at his expense at no additional cost to the Owner. No additional compensation will be made.

**16. Section 321217 – Stone Surfacing Material**

**Incidental**

- A. The cost for this work shall be paid for at the linear foot unit bid price(s) for the type of repair specified measured along the centerline of the street or driveways, width shall no be considered.
- B. The cost for this Work shall be paid for by the linear foot unit bid price(s) for the type of repair specified for shoulder stone along state roads or streets, width shall not be considered.
- C. The cost of this work shall be paid for by the ton unit bid price(s) for parking areas.
- D. The cost for temporary stone to maintain disturbed areas until repairs are made shall be included in the unit bid price(s) for the repair(s). No additional compensation shall be made.

**Incidental**

- A. The cost for temporary stone to maintain disturbed areas until repairs are made shall be included in the unit bid price(s) for the repair(s). No additional compensation shall be made.

**17. Section 321723 – Pavement Markings**

**Incidental**

- A. The cost of this work shall be in the lump sum bid price(s) or unit bid price(s) for the paving improvement.
- B. No additional compensation shall be made.

**18. Section 329119 - Landscaping**

**Incidental**

- A. The cost of this work shall be paid for at the lump sum bid price(s) and/or unit bid price(s) as provided in the Bid Form for reclamation or restoration of pipelines.
- B. No additional compensation shall be made.

**19. Section 330517 – Pre Cast Concrete Valve Vaults and Meter Boxes**

**Incidental**

- A. The cost of this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for which utilities piping and equipment identification is required.
- B. No additional compensation shall be made.

**20. Section 330523 – Bore, Jack, Tunnel Utility Installation**

**Bid Item 12 - 18” Steel Casing (Jack and Bore) – Linear Foot**

- A. The cost of this work shall be paid for at the linear foot unit bid price(s) as provided in the Bid Form for the size of Bored, Jacked, Tunneled or Open Cut Steel Casing Pipe (X") with Carrier Pipe (Y").
- B. The cost of the steel casing installation shall include, but not be limited to, bore pits, excavation, flowable fill, steel casing, carrier pipe, casing spacers, end seals with bands, end restraints, traceable wire and related appurtenances required in the Contract Drawings and/or Specifications.
- C. Restoration of Disturbed Area, Concrete Resurfacing, Crushed Stone Resurfacing, and Asphalt Paving shall be paid for under other Bid Items(s) specified elsewhere.

**21. Section 330526 – Utility Identification**

**Incidental**

- A. The cost of this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for which utility identification is required.
- B. No additional compensation shall be made.

**22. Section 331113 – Water Distribution Piping**

**Bid Item 7 – (6”) (Pressure Class (52)) Ductile Iron Pipe Water Line - Per Linear Foot**

**Bid Item 8 – (8”) (Pressure Class (52)) Ductile Iron Pipe Water Line - Per Linear Foot**

**Bid Item 10 – (12”) (Pressure Class (52)) Ductile Iron Pipe Water Line - Per Linear Foot**

- A. The cost for water line work shall be paid for at the linear foot unit bid price(s) for the size, type, and classification of water line pipe as provided in the Bid Form.

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- B. The designation of (X"), (XX), and/or (XXX) in the Bid Item(s) are provided in the Bid Form. Other designations including, but not limited to, (Open Cut), (Bored and Jacked), (with), (without), (Service Tubing), (Water Line), (Iron Pipe Size), and/or (Ductile Iron Pipe Size) may be used to further describe the various Bid Items.
- C. The cost for water line work shall include, but not be limited to, bedding (where required in the Drawings and/or Specifications), water line pipe, polyethylene encasement for ductile iron pipe (where required in the Drawings and/or Specifications) traceable wire and related appurtenances (where required in the Drawings and/or Specifications), detectable warning tape, all fittings and concrete thrust blocks, shown in the Drawings, mechanical joint retainer restraints at all fittings shown in the Drawings, and concrete thrust blocks for fittings shown in the Drawings.
- D. Restoration of Disturbed Area, Concrete Resurfacing, Crushed Stone Resurfacing, and Asphalt Paving shall be paid for under other Bid Items(s) specified elsewhere.
- E. The cost for all fitting(s) and concrete thrust block(s) shown in the plans shall be included in the linear foot unit bid price(s) of the water line pipe. All mechanical joint fittings shall include mechanical joint retainer restraints at all fittings. No additional compensation shall be made.
- F. Fitting adaptors for iron pipe size pipe to ductile iron pipe fittings shall be provided for all fittings. No additional compensation shall be made.
- G. The cost for fitting(s) and concrete thrust block(s) not shown in the plans shall be paid for at the per pound of fittings unit bid price. Concrete thrust blocks(s) shall be included in the cost of the fitting(s). All mechanical joint fittings shall include mechanical joint retainer restraints at all fittings. No additional compensation for concrete thrust block(s) shall be made.
- H. Fitting adaptors for iron pipe size pipe to ductile iron pipe fittings shall be provided for all fittings. No additional compensation shall be made.
- I. Tie-in of a new water line to an existing water line shall include, but not be limited to, all fitting(s), solid sleeve and/or couplings, a gate valve (including a valve box with lid, a concrete foundation, a valve box adaptor, and a concrete stabilizing block), traceable wire and related appurtenances (where required in the Drawings and/or Specifications), detectable warning tape, concrete thrust blocking, and all other appurtenances required in the Drawings and/or the Specifications. No additional compensation shall be made.
- J. Cut and cap/plug of an existing water line shall include, but not be limited to, a mechanical joint cap or plug with mechanical joint retainer restraint, concrete thrust blocking, and all other appurtenances required in the Drawings and/or the Specifications. No additional compensation shall be made

**23. Section 331200 – Water Utility Distribution Equipment**

**Incidental**

- A. The cost for work in this section will be paid for by the lump sum or unit bid price(s) for the Bid Items requiring the activity which includes materials and installation.

**24. Section 331213 – Water Service Connections**

**Bid Item 13 – Connection to Existing Service – Per Each**

- A. The cost for connection to existing meter service shall include, but not be limited to, a service saddle, a corporation stop, five feet (5') of new service tubing, and the connection to the existing service line as required including pack joint coupling, and all other appurtenances required in the Drawings and/or Specifications.
- B. All other new service tubing will be paid for under other Bid Item(s) as specified in Section 331113 – Water Distribution Piping.
- C. The cost of special landscaping restoration shall include, but not be limited, all work necessary to restore the described landscaping to its original condition or better.
- D. Restoration of Disturbed Area, Concrete Resurfacing, Crushed Stone Resurfacing, and Asphalt Paving shall be paid for under other Bid Items(s) specified elsewhere.

**25. Section 331216 – Water Utility Distribution Valves**

**Bid Item 9 – (8”) Gate Valve – Per Each**

**Bid Item 11 – (12”) Gate Valve – Per Each**

- A. The cost for this work shall be paid for at the per each bid price for the size (X”) and type of valve specified.
- B. The cost of the valve shall include, but not be limited to, a valve, mechanical joint retainer restraints at mechanical joint connections, a valve box with lid, a concrete foundation, a valve box adaptor, a valve box plug, a concrete stabilizing block, traceable wire and related appurtenances (where required in the Drawings and/or Specifications), and detectable warning tape, and all other appurtenances required in the Drawings and/or Specifications.
- C. Restoration of Disturbed Area, Concrete Resurfacing, Crushed Stone Resurfacing, and Asphalt Paving shall be paid for under other Bid Items(s) specified elsewhere.

**26. Section 331219 – Water Utility Distribution Fire Hydrants**

**Bid Item 5 – Fire Hydrant, Removed – Per Each**

**Bid Item 6 – Fire Hydrant and Valve – Per Each**

- A. The cost for this work shall be paid for at the per each bid price for the fire hydrant assembly specified.
- B. The cost of a fire hydrant assembly shall include, but not be limited to, concrete thrust blocking, swivel hydrant tee, end of main line plug (as required), mechanical joint retainer restraints at mechanical joint connections, a gate valve (including a valve box with lid, a concrete foundation, a valve box adaptor, and a concrete stabilizing block), a fire hydrant (including plastic barrier, concrete thrust blocking, concrete foundations, and clean graded limestone), up to fifteen feet (15') of water line, all thread rods with coal tar coating, traceable wire and related appurtenances (where required in the Drawings and/or Specifications), detectable warning tape, and all other appurtenances required in the Drawings and/or Specifications.
- C. Restoration of Disturbed Area, Concrete Resurfacing, Crushed Stone Resurfacing, and Asphalt Paving shall be paid for under other Bid Items(s) specified elsewhere.

**27. Section 331300 – Disinfecting of Water Utility Distribution**

**Incidental**

- A. The cost of this work shall be included in the lump sum bid price(s) and/or unit bid price(s) for which disinfection is required.
- B. No additional compensation shall be made.

**28. Bid Item 2 – Construction Layout Stakes and Surveying – Lump Sum**

- A. The cost for this work shall be paid for at a lump sum bid price.
- B. No additional compensation shall be made.

**29. NSCE-8 – Specification for Pipeline Occupancy of Norfolk Southern Corporation Property**

**Bid Item 24 – Contractors Railroad Protection Services, Insurance, Inspection and Coordination**

- A. The cost for this work shall be paid for at a lump sum bid price.**
- B. No additional compensation shall be made.**



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**30. General Specifications**

- A. The contract Specifications references provided attempt to outline the Contract Bid Item payment methodology for work to be performed. In the event of variation between the Bid Form and the preceding specification section measure and payment descriptions, the Contractor shall contact the Engineer before making any assumptions and proceeding with the Bid Item work or part thereof in question.

PART 2 - PRODUCTS - Not Used

PART 3 - EXECUTION - Not Used

END OF SECTION 012000

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