Fairfax Water

MORIN BUILDING
8570 EXECUTIVE PARK AVENUE
FAIRFAX, VIRGINIA 22031

Date Issued: May 6, 2016

To: All Prospective Bidders

Issued by: Patricia Utt

Subject: **Addendum No. 2 to IFB No. 16-01**
Water Main Installation and Service Contract

The purpose of this addendum is to make revisions to the IFB and to answer questions submitted by the specified deadline for their submission.

I. Additions, Deletions, Corrections, and Revisions to the IFB

1. Section 00400 (Measurement and Payment), Pages 00400-3 through 00400-25 Replace pages with the attached.

2. Section 01110 (Summary of Work), Page 01110-2, Paragraph 1.02.A.4 Delete in its entirety and replace with the following:

   "4. Payment for Work: Payment for Work will be based on the types and quantities of Work actually performed for the Owner during the Contract Period, as authorized by the Owner. Payment for Work performed will be calculated in accordance with Section 01200 and the unit prices set forth in the Contractor's Bid Form (Section 00400). No separate payment will be made to the Contractor for crew availability. Items required to complete Work but not provided for in the Form of Bid must be authorized in advance and will be paid for based on actual cost plus applicable contract mark-ups."

3. Section 01200 (Measurement and Payment), Page 01200-2, Paragraph 1.06.B Delete in its entirety and replace with the following:

   "B. Item No. 2 – Flowable Fill
   1. Item Descriptions:
   a. No. 2a – Flowable Fill of Abandoned Water Mains
   b. No. 2b – Flowable Backfill
   2. Work Includes:
   a. Furnish and install flowable fill concrete in accordance with the requirements of Section 02510 Water Main and Appurtenances, Section 03300 Cast in Place Concrete, the Drawings, and when authorized by the Owner.
   b. Flowable Fill of Abandoned Water Mains, No. 2a includes equipment and materials necessary to pump flowable fill through abandoned pipeline and tapping existing water main for air release.

c. *Excavation is included under Item Nos. 23d-23f – Standard Connection Type II (No. 2a) and Item Nos. 17-22 – Water Main Installation (No. 2b).*

3. *Unit of Measure: Cubic yards of flowable fill concrete installed."*

4. Section 01200 (Measurement and Payment), Page 01200-7, Paragraphs 1.06.R.2.a and 1.06.R.2.b Delete in their entirety and replace with the following:

"a. Standard Connection Type I, Nos. 23a through 23c includes removal of blow-off, plug or cap and thrust restraints from existing and new water mains, connecting the new main to the existing including installing in line valve and sleeves, and excavation to determine condition of restraint and restraining the valve to an adjacent fitting up to 6 feet away.

b. Standard Connection Type II, Nos. 23d through 23f includes cutting in a tee, a bend, a branch valve, up to 3 sleeves and 2 main line valves on the existing main. Also includes excavation to determine condition of restraint and restraining the valve to an adjacent fitting up to 6 feet away and restraint of nearest existing valve to the cut in, if existing water main is not restrained, and bulkhead of existing, abandoned water main."

5. Section 01200 (Measurement and Payment), Page 01200-11, Paragraph 1.06.AF Delete in its entirety and replace with the following:

"AF. Item Nos. 38a through 38i – Pavement Markings

1. Item Description:

a. No. 38a – 4-inch Thermoplastic Pavement Striping on any striping project less than 250 feet in length

b. No. 38b – 4-inch Thermoplastic Pavement Striping on any striping project greater than or equal to 250 feet in length

c. No. 38c – 6-inch Thermoplastic Pavement Striping on any striping project less than 250 feet in length

d. No. 38d – 6-inch Thermoplastic Pavement Striping on any striping project greater than or equal to 250 feet in length

e. No. 38e – 12-inch Thermoplastic Pavement Striping on any striping project less than 250 feet in length

f. No. 38f – 12-inch Thermoplastic Pavement Striping on any striping project greater than or equal to 250 feet in length

g. No. 38g – 4-inch Type A Paint Pavement Striping on any striping project less than 250 feet in length

h. No. 38h – 4-inch Type A Paint Pavement Striping on any striping project greater than or equal to 250 feet in length

i. No. 38i – Thermoplastic Arrow less than 10 feet in length

2. Work Includes: Furnish and apply thermoplastic and Type A paint pavement markings in accordance with Section 02700 and where designated by the Owner.

3. Unit of Measure

a. Nos. 38a through 38f – Linear feet of thermoplastic pavement striping applied.

b. Nos. 38g through 38h – Linear feet of Type A paint pavement striping applied.

c. No. 38i – Each thermoplastic arrow applied."

6. Section 01200 (Measurement and Payment), Page 01200-12, Paragraph 1.06.AJ.1 Delete in its entirety and replace with the following:

"1. Work Includes: All the labor and equipment items noted in the Bid Form apply to emergency repair work authorized by the Owner during the Contract Period. The Contractor shall make

available to the Owner, on a 24-hour basis during the Contract Period, such portion of his labor force, materials and equipment as may be required by the Owner for the purpose of making, or assisting in, repairs to water mains and other facilities owned and operated by the Owner. For emergency repairs, the Contractor shall furnish a Qualified Water Main Installation Crew. The Contractor shall mobilize and furnish all labor, materials and equipment with respect to emergency repairs and shall give highest priority and continuing attention to such Work until the repairs and improvements have been completed to the Owner's satisfaction. The Contractor shall respond and be mobilized on site within 4 hours upon notice from the Owner. The Contractor shall provide skilled laborers (pipelayer, tailman, laborer), foreman, operators and all necessary equipment, tools, and material to expose and perform emergency repairs on water mains in strict accordance with the contract requirements to repair existing water mains as directed by the Owner. Mobilization and Demobilization cost shall be included in the labor and equipment rates provided in the Bid Form and shall include but not limited to include the cost of all preparatory work and operations necessary for the movement of personnel, equipment, supplies, and incidentals to and from the project site as required for performance of emergency repair work."

7. Section 01200 (Measurement and Payment), Page 01200-13, Paragraph 1.07.B Delete in its entirety and replace with the following:

   "B. Final Payment: Final Payment for Work governed by unit prices will be made on the basis of the actual measurements and quantities accepted by the Owner multiplied by the unit price for the Work which is incorporated in or made necessary by the Work. See Section 00200, 1.24 for liquid asphalt adjustment information. Final Payment will be made in accordance to provisions of contract documents and upon acceptance and release of permits issued by jurisdictions having authority."

II. Questions and Answers

1. Q. Contract Item No. 2 - Does the flowable fill item for filling abandoned water mains include the concrete pump and the digging involved to tap the existing main at the far end to allow the air to escape while pumping the flowable fill?

   A. This matter is addressed in this Addendum.

2. Q. Contract Item Nos. 17a through 27 – Is there any way to condense the two hour flushing time before each of the two samples is taken or to shorten the waiting time of 24 hours between each sample to shorten the five day period necessary for pressure testing and bacteria testing?

   A. *This matter is addressed within the Contract Documents.*

3. Q. Contract Item Nos. 23a through 23f – Is the contractor responsible to ensure that any valve that is shut for a connection must be restrained even if it entails digging behind the valve to ensure that the joints behind the valve are restrained for a distance that ensures that the valve will not blow off?

   A. This matter is addressed in this Addendum.

4. Q. Contract Item No. 38 – The usual striping distance does not economically allow a striping company to stripe a few hundred feet per job visit. Should we price the striping item to accommodate this scenario which would at least quadruple the price? The addition of a minimum

charge item would solve this problem. There is also a problem of how to pay for arrows, stop bars, cross walks, etc.?

A. *This matter is addressed in this Addendum.*

5. Q. Contract Item No. 42 through 71 – Since emergency call outs usually occur after working hours, Saturday, Sunday & Holidays, should the rates for men and equipment include travel time from home to and from the job site? Should the rate also include time and a half and a double time that will be involved? Are crash barriers, message boards and arrow boards (no item) better paid on a daily rate instead of an hourly rate because it may be necessary to use them over night? Should the equipment rates include tractor trailer or truck and driver time to get equipment to and from the job site?

A. *This matter is addressed in this Addendum.*

6. Q. How are the stream crossings and the associated diversion, pumping and rip rap to be paid?

A. *This matter is addressed in this Addendum.*

7. Q. Assuming the final paving will be done by others, is the final payment on a project held until the final paving is completed and the seeding portion of the project germinates?

A. *This matter is addressed in this Addendum.*

III. Acknowledgement

Acknowledge your receipt of, and compliance with, this Addendum by either signing the attached acknowledgement, or referencing its receipt and your compliance, in your bid.

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM # 2

I certify that the information contained in the bid submitted on behalf of the below named firm incorporates any and all changes to the original specification. I further certify by my signature below, that I am fully authorized to acknowledge receipt of the above addendum and also bind the below named firm to the terms, conditions and specifications of the IFB and any changes thereto made by this addendum.

ACKNOWLEDGED BY:

FOR: _____ _____

Company Name Date

_____

Signature of Authorized Agent

_____

Printed/typed name

_____

Title

NO TEXT THIS PAGE

FAIRFAX WATER
FAIRFAX, VIRGINIA

IFB No. 16-01
WATER MAIN INSTALLATION AND SERVICE CONTRACT
AUGUST 1, 2016 THROUGH JULY 31, 2017

PART A--UNIT PRICES

INSTRUCTIONS: The Bidder shall fill in all blanks providing the following: The Bidder's proposed Unit Price in words; the Bidder's proposed Unit Price in figures; and the Bidder's proposed computed total price in figures, for each Contract Item described below. (The computed total price is obtained by multiplying the Estimated Quantity by the Bidder's proposed Unit Price.) Written amounts shall govern in case of discrepancy between the amounts stated in writing and the amounts stated in figures. In case of discrepancy between unit prices and totals, unit prices will prevail.

All blanks shall be filled in.

BASE BID

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
1	Rock Excavation _____ _____Dollars and _____Cents Per Cubic Yard	100 C.Y.	$_____	$_____
2a	Flowable Fill of Abandoned Water Mains _____ _____Dollars and _____Cents Per Cubic Yard	250 C.Y.	$_____	$_____
2b	Flowable Backfill _____ _____Dollars and _____Cents Per Cubic Yard	750 C.Y.	$_____	$_____
3	Class C Concrete _____ _____Dollars and _____Cents Per Cubic Yard	100 C.Y.	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
4	2-inch Asphalt Concrete Trail Surface Course Pavement Removal and Replacement _____ _____Dollars and _____Cents Per Square Yard	500 S.Y.	$_____	$_____
5a	6-inch Asphalt Concrete Base Course (BM-25) Pavement Less than 50 Square Yards _____ _____Dollars and _____Cents Per Square Yard	250 S.Y.	$_____	$_____
5b	6-inch Asphalt Concrete Base Course (BM-25) Pavement 50 Square Yards to 450 Square Yards _____ _____Dollars and _____Cents Per Square Yard	5,000 S.Y.	$_____	$_____
5c	6-inch Asphalt Concrete Base Course (BM-25) Pavement Greater than 450 Square Yards _____ _____Dollars and _____Cents Per Square Yard	28,000 S.Y.	$_____	$_____
5d	Additional Asphalt Concrete Base Course (BM-25) Pavement Placement in Areas Greater than 6-inches in Thickness _____ _____Dollars and _____Cents Per Square Yard per Inch	2,000 S.Y./In.	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
6	2" Temporary Pavement Asphalt – Hot Mix _____ _____Dollars and _____Cents Per Square Yard	30,000 S.Y.	$_____	$_____
7	Aggregate Surfaces _____ _____Dollars and _____Cents Per Cubic Yard	100 C.Y.	$_____	$_____
8	Sodding; includes 3" Topsoil _____ _____Dollars and _____Cents Per Square Yard	500 S.Y.	$_____	$_____
9	Seeding and Fertilizing; includes 4" Topsoil _____ _____Dollars and _____Cents Per Square Yard	10,000 S.Y.	$_____	$_____
10a	Concrete Sidewalk Replacement _____ _____Dollars and _____Cents Per Square Yard	250 S.Y.	$_____	$_____
10b	Concrete Driveway and Valley Gutter Replacement _____ _____Dollars and _____Cents Per Square Yard	200 S.Y.	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
10c	Concrete Curb Cut Ramp (CG-12) Replacement _____ _____Dollars and _____Cents Per Square Yard	200 S.Y.	$_____	$_____
11	Concrete Curb and Gutter Replacement _____ _____Dollars and _____Cents Per Linear Foot	1,500 L.F.	$_____	$_____
12	Silt Fence _____ _____Dollars and _____Cents Per Linear Foot	1,000 L.F.	$_____	$_____
13	Inlet Protection _____ _____Dollars and _____Cents Per Each	100 EA	$_____	$_____
14	Standard Hydrant Installations _____ _____Dollars and _____Cents Per Each	90 EA	$_____	$_____
15	Hydrant Installations on Existing Mains _____ _____Dollars and _____Cents Per Each	5 EA	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
16	Hydrant Removal _____ _____Dollars and _____Cents Per Each	80 EA	$_____	$_____
17a	4-inch, 6-inch, and 8-inch Ductile Iron Pipe Water Main Installations Less than 100 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	200 L.F.	$_____	$_____
17b	4-inch, 6-inch, and 8-inch Ductile Iron Pipe Water Main Installations 100 to 1,000 feet in Length _____ _____Dollars and _____Cents Per Linear Foot.	10,000 L.F.	$_____	$_____
17c	4-inch, 6-inch, and 8-inch Ductile Iron Pipe Water Main Installations Greater than 1,000 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	45,000 L.F.	$_____	$_____
18a	12-inch Ductile Iron Pipe Water Main Installations Less than 100 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	100 L.F.	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
18b	12-inch Ductile Iron Pipe Water Main Installations 100 to 1,000 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	500 L.F.	$_____	$_____
18c	12-inch Ductile Iron Pipe Water Main Installations Greater than 1,000 Feet in Length _____ _____Dollars and _____Cents Per Linear Foot	12,000 L.F.	$_____	$_____
19a	16-inch Ductile Iron Pipe Water Main Installations Less than 100 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	100 L.F.	$_____	$_____
19b	16-inch Ductile Iron Pipe Water Main Installations 100 to 1,000 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	500 L.F.	$_____	$_____
19c	16-inch Ductile Iron Pipe Water Main Installations Greater than 1,000 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	4,000 L.F.	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
20a	24-inch Ductile Iron Pipe Water Main Installations Less than 100 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	100 L.F.	$_____	$_____
20b	24-inch Ductile Iron Pipe Water Main Installations 100 to 1,000 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	500 L.F.	$_____	$_____
20c	24-inch Ductile Iron Pipe Water Main Installations Greater than 1,000 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	1,500 L.F.	$_____	$_____
21	30-inch Ductile Iron Pipe Water Main _____ _____Dollars and _____Cents Per Linear Foot	100 L.F.	$_____	$_____
22	36-inch Ductile Iron Pipe Water Main _____ _____Dollars and _____Cents Per Linear Foot	100 L.F.	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
23a	2 through 14 inch Standard Connection Type I _____ _____Dollars and _____Cents Per Each	5 EA	$_____	$_____
23b	16 through 24 inch Standard Connection Type I _____ _____Dollars and _____Cents Per Each	5 EA	$_____	$_____
23c	30 through 36 inch Standard Connection Type I _____ _____Dollars and _____Cents Per Each	2 EA	$_____	$_____
23d	2 through 14 inch Standard Connection Type II _____ _____Dollars and _____Cents Per Each	165 EA	$_____	$_____
23e	16 through 24 inch Standard Connection Type II _____ _____Dollars and _____Cents Per Each	5 EA	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
23f	30 and 36 inch Standard Connection Type II _____ _____Dollars and _____Cents Per Each	5 EA	$_____	$_____
23g	Standard Connection Type III _____ _____Dollars and _____Cents Per Each	5 EA	$_____	$_____
24	Installation of Fittings and Accessories (for 16-inch pipe and above) _____ _____Dollars and _____Cents Per Pound	20,000 Lbs	$_____	$_____
25	Heavy Clearing _____ _____Dollars and _____Cents Per Square Yard	500 SY	$_____	$_____
26	2 inch Air Release Connection _____ _____Dollars and _____Cents Per Each	15 EA	$_____	$_____
27	2 inch Blow-Off Connection _____ _____Dollars and _____Cents Per Each	25 EA	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
28	Hauling Pipe _____ _____Dollars and _____Cents Per Trip	15 Trips	$_____	$_____
29	Driveway Culverts _____ _____Dollars and _____Cents Per Linear Foot	60 L.F.	$_____	$_____
30	Bonded Joints _____ _____Dollars and _____Cents Per Each	25 EA	$_____	$_____
31a	Type TD Standard Test Station _____ _____Dollars and _____Cents Per Each	2 EA	$_____	$_____
31b	Type I Insulating Device Test Station _____ _____Dollars and _____Cents Per Each	2 EA	$_____	$_____
31c	Type CS Trenchless Crossing Test Station _____ _____Dollars and _____Cents Per Each	2 EA	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
31d	Type FD Foreign Pipeline Test Station Assembly _____ _____Dollars and _____Cents Per Each	2 EA	$_____	$_____
31e	Type IS Insulated Flange Test Station _____ _____Dollars and _____Cents Per Each	2 EA	$_____	$_____
31f	Additional Magnesium Anodes _____ _____Dollars and _____Cents Per Each	10 EA	$_____	$_____
32a	1-inch Service Taps with 10 feet of Copper Pipe or Less in Length _____ _____Dollars and _____Cents Per Each	1,300 EA	$_____	$_____
32b	Additional 1-inch Copper Pipe Installation _____ _____Dollars and _____Cents Per Linear Foot	1,000 L.F.	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
32c	Additional Cost for Bored Installation – 1-inch Copper Service Pipe _____ _____Dollars and _____Cents Per Linear Foot	500 L.F.	$_____	$_____
32d	2-inch Service Taps with 10 feet of Copper Pipe or Less in Length _____ _____Dollars and _____Cents Per Each	10 EA	$_____	$_____
32e	Additional 2-inch Copper Pipe Installation _____ _____Dollars and _____Cents Per Linear Foot	100 L.F.	$_____	$_____
32f	Additional Cost for Bored Installation – 2-inch Copper Service Pipe _____ _____Dollars and _____Cents Per Linear Foot	100 L.F.	$_____	$_____
33a	5/8-inch and 1-inch Water Meter and Box Removal and Replacement _____ _____Dollars and _____Cents Per Each	25 EA	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
33b	1 1/2-inch Water Meter and Box Removal and Replacement _____ _____Dollars and _____Cents Per Each	5 EA	$_____	$_____
33c	2-inch Water Meter and Box Removal and Replacement _____ _____Dollars and _____Cents Per Each	5 EA	$_____	$_____
34	Select Fill – Trench Backfill (VDOT 21A) _____ _____Dollars and _____Cents Per Cubic Yard	20,000 C.Y.	$_____	$_____
35	Additional Test Holes _____ _____Dollars and _____Cents Per Each	25 EA	$_____	$_____
36	Additional Trench Excavation for Pipe Sizes 4-inches through 16-inches in Diameter _____ _____Dollars and _____Cents Per Vertical Foot per Linear Foot of Trench	10,000 V.F./L.F.	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
37	Additional Trench Excavation for Pipe Sizes 24-inches through 36-inches in Diameter _____ _____Dollars and _____Cents Per Vertical Foot per Linear Foot of Trench	1,500 V.F./L.F.	$_____	$_____
38a	4-inch Thermoplastic Pavement Striping Less than 250 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	3,750 L.F.	$_____	$_____
38b	4-inch Thermoplastic Pavement Striping 250 feet or Greater in Length _____ _____Dollars and _____Cents Per Linear Foot	1,250 L.F.	$_____	$_____
38c	6-inch Thermoplastic Pavement Striping Less than 250 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	750 L.F.	$_____	$_____
38d	6-inch Thermoplastic Pavement Striping 250 feet or Greater in Length _____ _____Dollars and _____Cents Per Linear Foot	250 L.F.	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
38e	12-inch Thermoplastic Pavement Striping Less than 250 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	750 L.F.	$_____	$_____
38f	12-inch Thermoplastic Pavement Striping 250 feet or Greater in Length _____ _____Dollars and _____Cents Per Linear Foot	250 L.F.	$_____	$_____
38g	4-inch Type A Paint Pavement Striping Less than 250 feet in Length _____ _____Dollars and _____Cents Per Linear Foot	750 L.F.	$_____	$_____
38h	4-inch Type A Paint Pavement Striping 250 feet or Greater in Length _____ _____Dollars and _____Cents Per Linear Foot	250 L.F.	$_____	$_____
38i	Thermoplastic Arrow Less than 10 feet in Length _____ _____Dollars and _____Cents Per Single Arrow	5 EA	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
39	Miscellaneous Electrical Work (Bid Allowance) Fifty Thousand Dollars and Zero Cents	N/A	$ N/A	$ 50,000
40	Miscellaneous Trenchless Crossing Work (Bid Allowance) Fifty Thousand Dollars and Zero Cents	N/A	$ N/A	$ 50,000
41	Miscellaneous Vault Work (Bid Allowance) Two Hundred Thousand Dollars and Zero Cents	N/A	$ N/A	$ 200,000
EMERGENCY WORK DIRECT LABOR RATES				
42	Foreman _____ Dollars and _____ Cents Per Man Hour	100 MAN HRS	$ _____	$ _____
43	Skilled Labor _____ Dollars and _____ Cents Per Man Hour	300 MAN HRS	$ _____	$ _____
44	Truck Driver _____ Dollars and _____ Cents Per Man Hour	100 MAN HRS	$ _____	$ _____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
45	Equipment Operator _____ _____Dollars and _____Cents Per Man Hour	100 MAN HRS	$_____	$_____
46	Flagman _____ _____Dollars and _____Cents Per Man Hour	200 MAN HRS	$_____	$_____
EMERGENCY WORK EQUIPMENT RATES				
47	Foreman's Pickup Truck _____ _____Dollars and _____Cents Per Truck Per Hour	100 HRS	$_____	$_____
48	Air Compressor With Tools _____ _____Dollars and _____Cents Per Compressor Per Hour	100 HRS	$_____	$_____
49	Tool Trailer with Tools _____ _____Dollars and _____Cents Per Trailer Per Hour	100 HRS	$_____	$_____
50	Compactor _____ _____Dollars and _____Cents Per Compactor Per Hour	100 HRS	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
51	Track Excavator _____ _____Dollars and _____Cents Per Excavator Per Hour	100 HRS	$_____	$_____
52	Backhoe _____ _____Dollars and _____Cents Per Backhoe Per Hour	100 HRS	$_____	$_____
53	Mini Excavator _____ _____Dollars and _____Cents Per Excavator Per Hour	100 HRS	$_____	$_____
54	Dozer _____ _____Dollars and _____Cents Per Dozer Per Hour	100 HRS	$_____	$_____
55	Skid Steer with 40-inch Cold Planer/Broom Attachment _____ _____Dollars and _____Cents Per Skid Steer Per Hour	100 HRS	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
56	3,500 Watt Generator _____ _____Dollars and _____Cents Per Generator Per Hour	100 HRS	$_____	$_____
57	4-inch Pump with Hoses _____ _____Dollars and _____Cents Per Pump Per Hour	100 HRS	$_____	$_____
58	6-inch Pump with Hoses _____ _____Dollars and _____Cents Per Pump Per Hour	100 HRS	$_____	$_____
59	Non Tilt Deck Utility Trailer (20 Ton) _____ _____Dollars and _____Cents Per Trailer Per Hour	100 HRS	$_____	$_____
60	Tandem-Axle Dump Truck (50,000 GVW) _____ _____Dollars and _____Cents Per Truck Per Hour	100 HRS	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
61	Jackhammer/Pavement Breaker _____ _____Dollars and _____Cents Per Jackhammer Per Hour	100 HRS	$_____	$_____
62	Loader (Track or Rubber Tire) _____ _____Dollars and _____Cents Per Loader Per Hour	100 HRS	$_____	$_____
63	Self-Powered Traffic Control Message or Arrow Board _____ _____Dollars and _____Cents Per Board Per Day	20 DAYS	$_____	$_____
64	Shoring Box _____ _____Dollars and _____Cents Per Box Per Day	20 DAYS	$_____	$_____
65	Steel Plates _____ _____Dollars and _____Cents Per Plate Per Day	20 DAYS	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
66	Trailer-Mounted Light Tower _____ _____Dollars and _____Cents Per Tower Per Hour	100 HRS	$_____	$_____
67	Crash Barrier _____ _____Dollars and _____Cents Per Barrier Per Day	20 DAYS	$_____	$_____
68	Asphalt Roller _____ _____Dollars and _____Cents Per Roller Per Hour	100 HRS	$_____	$_____
69	Dump Truck Rental with Driver _____ _____Dollars and _____Cents Per Truck Per Hour	100 HRS	$_____	$_____
70	Hydraulic Trench Shoring _____ _____Dollars and _____Cents Per Shoring Per Day	20 DAYS	$_____	$_____

CONT. ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
71	Walk-Behind Concrete Saw _____ _____Dollars and _____Cents Per Saw Per Hour	100 HRS	$_____	$_____
Computed Total Amount for Base Bid Items (Sum of Contract Items 1 through 71 above) _____ _____Dollars and _____Cents			$_____	

BID OPTION ITEM NO.	DESCRIPTION OF WORK PRICE IN WORDS	ESTIMATED QUANTITY	UNIT PRICE	COMPUTED TOTAL PRICE
73c	1 1/2-inch Asphalt Concrete Surface Course (SM-9.5A) Pavement Overlay (Greater than 120 Tons per Project) _____ _____Dollars and _____Cents Per Ton	9,000 Tons	$_____	$_____
Computed Total Amount for All Optional Bid Items (Sum of Contract Items 72 through 73 above) _____ _____Dollars and _____Cents			$ _____	