

ADDENDUM NO. 1
BID2020-82

PURSUANT TO LFN2020-10 that sealed bids will be received by Isabel C. Garcia, QPA, Purchasing Agent, for the City of Trenton, County of Mercer, State of New Jersey on **DECEMBER 4, 2020 at 11:00 A.M.** prevailing time in the Division of Purchasing, 1st. Floor, City Hall Annex, 319 East State Street, Trenton, New Jersey, for

LEAD SERVICE LINE REPLACEMENT – PHASE 2B -HAMILTON
FOR THE DEPARTMENT OF WATER AND SEWER

Clarifications, amendments, additions, deletions, revisions, and modifications are part of the Contract and change the original documents only in the manner and to the extent stated.

BIDDERS SHALL LOG ON FOR THE BID OPENING ON 12/4/2020 AT 11:00AM TO:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDg0MTUwNGQtNGM1ZS00ODQ5LWI4ZWQrYzcxM2Q2OTMzMzMDQ4%40thread.v2/0?context=%7b%22Tid%22%3a%22f86c5221-bbd6-4070-b193-55d36a0de932%22%2c%22Oid%22%3a%226fec7279-2837-4779-828d-0e96030d5481%22%2c%22IsBroadcastMeeting%22%3atru%7d

JOIN LIVE EVENT

+1 609-453-2732

Conference ID: 717 550 425#

Project Description:

The work generally consists of trenchless replacement of 1,200 lead or galvanized steel lines for residences within the Township of Hamilton, from the water main to the water meter in the home. Work will generally include coordination with the homeowner, verification of water service line material inside the home and at the curb stop, excavation, removal or abandonment of existing service line, installation of copper service line, curb stop and box, ball valves, testing, flushing, backfill, soil erosion and sediment control, traffic control, housekeeping, full restoration to existing conditions including landscaping, sidewalks, curbs, paving, striping, data management in ArcGIS and other tasks to complete the work. Work may require dewatering and trench shoring.

The work will focus on addresses that are registered for the program. Per the mandate of the Local Finance Board, if work is conducted on the homeowner side of the water service line, homeowners will be required to pay \$50 per quarter for 5 years (\$1,000).

Specifications and other bid information may be picked-up at the Office of Purchasing, 1st Floor, City Hall Annex, 319 East State Street, Trenton, NJ 08608 during regular business hours (8:30 am - 4:30 pm). **FEE FOR PLANS AND SPECS \$100.00 PAYABLE TO THE CITY OF TRENTON**

Bidders shall comply with **Executive Order#122** located on page 9, 3rd paragraph. Specifications and bid information may be downloaded from the City of Trenton's Website at <https://nj-trenton.civicplus.com/list.aspx>

Bidders may visit the City of Trenton's website at <https://nj-trenton.civicplus.com/list.aspx> for any addenda/notices issued prior to the bid opening. Failure to do so could result in the rejection of your submission.

Bidders are required to comply with the requirements of P.L. 1975,c127(N.J.A.C.17:27 et seq).

City of Trenton
Isabel C. Garcia, QPA
(609)-989-3139
BID2020-82

ADDENDUM NO 1

BID2020-82

**LEAD SERVICE LINE REPLACEMENT – PHASE 2B – HAMILTON
FOR THE DEPARTMENT OF WATER AND SEWER**

Clarifications, amendments, additions, deletions, revisions, and modifications are part of the Contract and change the original documents only in the manner and to the extent stated.

QUESTIONS AND ANSWERS:

Trenton Water Works

Lead Service Line Replacement Project – Phase 2B – Hamilton

Contract No. BID2020-82

Addendum No. 1

November 18, 2020

Responses to Questions

Question: Drawing Detail No. 4 provides the restoration and backfill requirements for the different municipalities. Please confirm #57 Stone around the copper pipe and not bank run sand.

Response: Bedding and backfill for copper pipe is shown in Detail No. 3 (Typical Trench for Water Service Line). Compacted backfill, sub-base material and paving for copper pipe installed in roadways are shown in Detail No. 4 (Typical Water Main Trench Restoration and Pavement Detail).

Question: Will native soils be permitted as backfill on all non-paved excavations?

Response: In accordance with Section 02230-2.01D, native fill shall be as classified a common fill if it meets the specifications for common fill specified in Section 00230-2.01C.

Question: In section 1025, 3.11-B Bid unit differs from that of the bid sheet. Please confirm bid unit for Miscellaneous Concrete.

Response: Bid units for miscellaneous concrete shall be cubic yards in accordance with the bid form in Section 00300.

Question: Clarify Bid quantity for Phase 2B Item S-2A Imported Common Fill.

Response: Quantity for Item S-2A Imported Common Fill is 40 cubic yards. The bid form has been updated via Addendum No. 1.

Question: Clarify work hours for Ewing/Lawrenceville

Response: Work hours have been adjusted in the Contract Documents via Addendum No. 1.

Question: Clarify Quantity for Item 3C

Response: Quantity for Item No. 3C (Final Restoration Completed) is as shown on the bid form in Section 00300.

Question: Scope of work Item 1.02 Q. States that we are to provide residents with point of use pitchers filters and cartridges. How many pitchers and cartridges are required per resident and what item is that to be paid under?

Response: Point-of-use filter pitchers and cartridges are to be paid for under Item No. 1A (Water Service Replacement – Utility Side) and Item No. 1B (Water Service Replacement – Homeowner Side) as specified in Section 01025-3.01C.1.c. The number of filters and replacement cartridges to be provided to each unit shall be in accordance with Section 02663-2.11B.

Question: Please confirm the SED percentage goal for this project. Within the SED Scope and Purpose section the percentage goal states 10%, but later in the documents a table dictates a difference percentage for Mercer County projects.

Response: The Socially and Economically Disadvantaged (SED) Utilization Plan is provided in Section 00810, starting on page 00810-4. The goal for the New Jersey Infrastructure Bank (NJIB) funding is 10% which requires monthly and quarterly reporting be undertaken by the Contractor. Other goals for specific trades and Counties are in addition to the NJIB related goal.

Modifications to Specifications

1. In Section 00300, make the following revisions:

Replace pages 00300-1 through 00300-3 in their entirety with the attached new Price Schedule.

2. In Section 00700, make the following revisions:

In Article 6.02C, replace “Unless otherwise noted, regular working hours are defined as 8 hours per day, Monday through Friday, excluding holidays, between the hours of 7:00 AM and 3:30 PM.” with the following: “Unless otherwise noted, regular working hours are defined as Monday through Friday, excluding holidays, between 7:00 AM and 5:30 PM.”

3. In Section 01014, make the following revisions:

Replace Paragraph 1.04D with the following:

“Contractor shall coordinate with Customers who have signed up for the program by scheduling an inspection to confirm lead or galvanized steel. In addition to the homes listed in Appendix A, the Contractor may obtain additional sign-ups to the homes listed in Appendix A, or the most recent list to be provided by the Owner or Engineer, as long as the newly registered homes do not replace the homes already on the required list in Appendix A. Electronic files for any public education and registration information will be provided by the Owner and Engineer for the Contractor to print and distribute.”

Add the following new subparagraph immediately following Paragraph 1.09B:

“C. Work hours shall be as indicated in Section 00700 with the exception of the local requirements for the Township or City or for the type of roadway or location. Replacements in County Roads or near a school shall not commence until at least 9:00 A.M. The Township of Lawrence noise ordinance does not allow construction activities to commence until 8:00 AM. The Contractor is responsible for following all local codes and ordinances where the work is taking place.”

4. In Section 01025, make the following revisions:

Replace Paragraph 3.01B.9 with the following:

“(Item 1F) Right of Entry Not Granted – Measurement will be based on the number of locations where three (3) unsuccessful documented attempts to the addresses listed in Appendix A (or most updated list as provided by the Owner or Engineer during construction) were made without obtaining the homeowner’s signature for the Right-of-Entry and Replacement Agreement. This applies only to addresses where the homeowner-side is lead or galvanized and the Right-of-Entry and Replacement Agreement is required. At least two (2) of the attempts must be in-person attempts with hard copy information both in English and Spanish provided with the Contractor’s contact

information if no one is home during in-person attempts, one (1) attempt may be by phone or email. Additional phone calls and emails may supplement the in-person attempts but do not replace the in-person attempts. All attempts shall be documented in writing by the Contractor. No measurement will be made for attempts that are not properly documented by the Contractor.”

In Paragraph 3.01C.1.c, add the following sentences to the end of the paragraph:

“Contractor to assume one (1) point-of-use filter per household for filter quantity estimation. If a replacement occurs on a multi-unit house, the additional point-of-use filter and cartridge will be paid for as a pass through cost with receipt backup and no markups under Item 5. All labor associated with the additional point-of-use filters and flyers per household shall be included in Items 1A and 1B.

In Paragraph 3.01C.7:

Remove the sentence “Payment under this bid item will also be provided for test pits performed at the curb stop in concrete requiring concrete rehabilitation.” and replace with “Payment for concrete rehabilitation related to test pits shall be paid for under Item 2 and will not be paid for under this item.”

Replace Paragraphs 3.02B with the following:

“B. Measurement

1. (Item 2) Test Pit at Curb Stop - Measurement will be based on the number of locations in Appendix A (or most updated list as provided during construction), and those properties that the Contractor has acquired a Right-of-Entry and Replacement Agreement for, where pipe material in the test pit was found not to be lead or galvanized steel on both the homeowner-side and the utility-side and all material information is documented by Contractor in ArcGIS. Properties where there is lead on the homeowner-side and the homeowner does not sign up for the replacement, after at least three (3) attempts to obtain the signed Right-of-Entry and Replacement Agreement, would also be included as a test pit under this Item. The Contractor shall submit comparable pre-construction and post-construction photographs of each test pit, and Owner and Engineer shall accept the surface restoration of the test pit prior to payment.”

Replace Paragraphs 3.02C with the following:

“C. Payment

1. Payment for Item 2 Test Pit at Curb Stop shall be made as follows: Payment for this Item shall be provided for the Contractor completing 3.01-C.1a Administration, 3.01-C.1b Site Preparation, performing the test pit, and 3.01-C.1d. Test pit shall assume excavation is in concrete and concrete restoration is included in this bid item. Payment for Item 2 will only be made if the entire water service line (corporation stop to meter) is found not to be lead or galvanized steel or if a homeowner has lead or galvanized steel and does not sign the Right-of-Entry and Replacement Agreement. If any service line pipe material is found to be lead or galvanized steel and a replacement occurs at that address, the cost of the test pit shall be covered under Item 1A and 1B as appropriate. No payment will be made under this Item if any pipe replacement is performed. If the curb box is replaced without a portion of the service line being replaced, payment will be made under this Item plus Item 1J for the curb box.”

In Paragraph 3.03C.3 add the following sentences to the end of the paragraph:

“Payment for restoration related to test pits shall be paid for under Item 2.”

In Paragraph 3.11B.1:

Replace “square yards” with “cubic yards”.

5. In Section 01170, make the following revisions:

Replace Paragraph 1.07A with the following:

“A. Construction operations and activities shall be limited as follows: Work hours Monday through Friday between 7:00 A.M. and 5:30 P.M. or as local code requirements apply, whichever is more limiting. Requests to work hours other than regular hours shall be as specified in Section 00700, Article 6.02. Variances to these hours may be granted in times of emergency or as requested by the Homeowner.”

Add new Paragraph 1.28 with the following:

“A. Contractor shall cut and store a 3-inch long section of each pipe removed from service for the Owner. When performing a full replacement, a pipe section should be cut from both the homeowner side and from the Utility side. Each section shall be labeled with address, whether it is from the homeowner side or the Utility side and the direction of flow. Store pipe sections in a location protected from weather elements. Owner will coordinate occasional pickups of the pipe sections.”

6. On Detail No. 4 in Appendix B, make the following revisions:

Add Note 2: Pipe cover for copper pipe shall be as shown on Detail No. 3 to 6-inches above the top of the pipe with warning tape. Compacted backfill, which is below the base course layer and above the pipe cover layer, shall be as shown in the table.

Attachments

1. Pre-bid agenda from the pre-bid meeting held on November 10, 2020 (3 pages).
2. Revised Price Schedule (pages 00300-1 through 00300-3) for BID2020-82 (3 pages).

Trenton Water Works
Bid 2020-82 – Lead Service Line Replacement Project – Phase 2B – Hamilton

PRE-BID MEETING AGENDA
November 10, 2020, 10:00 AM

I. Introduction

II. Scope of Work

- A. Work consists of 1,200 lead service line replacements, generally from the main to the meter inside the home including both the TWW-owned portion and the homeowner-owned portion. Some replacements will be utility-side only or homeowner-side only replacements if the other portion is already copper or plastic. Replacements are preferred to be via trenchless means. Open-cut must be approved by the Engineer.
- B. Phase 2B focuses on replacements within the Township of Hamilton.
- C. Replacements shall be performed based on a replacement rate of 110 replacements per month.
- D. List of properties with assumed materials is provided in Appendix A (951 properties) is a sample of the final list. The list will change before the project starts and during the project as materials are confirmed by other means, but the final list will include properties only within Hamilton.
- E. Each home on the list must be visited by the Contractor. An inspection can be either internal (at the meter) or external via a test pit (if entrance inside the house is not obtained). Some homes may be removed if they are inspected by TWW or if the homeowner provides the information.
- F. Coordination with the Homeowner will be required to finalize buy-in into the program, perform an inspection on the interior and exterior piping and for the installation of the new service.
- G. Additional homes (up to the 1,200 replacements) will be obtained by the Contractor assisting in obtaining new registrants on the same blocks as the Appendix A properties.
- H. Twelve (12) replacements each for utility-side and for homeowner-side will be as requested by TWW and required to be replaced within 48 hours, regardless of weekends or holidays. No additional payment will be made and these replacements will count towards Bid Items 1A and/or 1B.
- I. Test pit with vacuum excavation to confirm materials – one on each side of the curb stop. If lead is found on the homeowner side, a Right of Entry and Replacement Agreement must be obtained by the Contractor prior to replacement.
- J. Licensed plumber required for installing water line within 3 feet of existing building and for the connection to existing service, as well as other items specified.

- K. Testing and flushing the new service line.
- L. Road opening permits, traffic control and coordination per the Township requirements.
- M. Mechanical sweeper with water required for maintaining cleanliness of streets.
- N. Soils testing laboratory representative on-site at all times during placement of backfill or bedding. Contractor to perform in-place soil density testing to confirm fill material has been compacted in accordance with the Specifications.
- O. Pavement and concrete removal and replacement. Temporary pavement will be with hot patch unless otherwise approved during the winter months.
- P. Restoration of all surface features including replacement of drywall if drywall was removed.
- Q. Record documents includes pre and post-construction photos, GPS locations, service card info and all required updated information in GIS.

III. Schedule

- A. Bids are due December 4, 2020 at 11:00 AM for Phase 2B (BID2020-82). See Invitation to Bid.
- B. All questions need to be submitted by November 16, 2020 (Monday). E-mail to Isabel Garcia's attention at igarcia@trentonnj.org
- C. Addendum/response to questions will be issued by November 18, 2020.
- D. Contract Duration:
 - a. Award anticipated by end of January 2021
 - b. 365 days from contract award

IV. Bid Form Review of Select Items

- A. Bid Items 1A and 1B will be paid for each full replacement. Bid Item 1A will be paid for if the replacement is only on the Utility-side (main to curb). Bid Item 1B will be paid for if the replacement is only on the Homeowner-side (curb to meter). It is suspected that there will be more replacements on the Utility-side (1,200) than on the Homeowner-side (750).
- B. Any new corporation stops will be paid for under Bid Item 1C. Approval by the Engineer or Inspector will be required to install a new corporation stop. Generally, the existing corporation stop will be reused with the exceptions discussed in the Contract Documents.
- C. Water meters will be replaced when the homeowner has an old metal meter and if requested by TWW's meter department. Meters will be provided by TWW with installation by the Contractor paid under Bid Item No. 1E.
- D. If a homeowner on the list in Appendix A changes their mind or refuses to sign the

agreement, Contractor shall be paid for their effort via Bid Item No. 1F.

- E. If a homeowner signs the agreement but cannot provide reasonable access for working in the interior of their home around the water meter, the Contractor shall be paid for their effort via Bid Item No 1G.
- F. Bid Item 1J is for a new curb box when the utility-side of the service line is not being replaced. For all replacements, the curb box is included in Bid Item 1A.
- G. Test pits that show lead or galvanized steel on either or both the homeowner-side and TWW-side will be covered under the replacement bid items and no separate payment will be made. If a replacement does not occur, restore completely and payment for a test pit is provided.
- H. Bid Item 3C will be paid once all restoration has been completed at a home where a replacement occurred.
- I. Allowances:
 - a. Miscellaneous Work at Direction of the Owner
 - b. Traffic Control
 - c. Permit Fees

V. Special Conditions

- A. Project will be funded by the New Jersey Infrastructure Bank (NJIB).
- B. Socially and Economically Disadvantaged (SED) – Target of 10% (7% MBE and 3% WBE)
- C. All iron and steel on project will need to be made in America.
- D. See Project Checklist and Division 0, “Bidding and Contract Requirements,” for other Trenton, State and NJIB requirements.

VI. Bidders Questions

**PRICE SCHEDULE
TRENTON WATER WORKS
LEAD SERVICE LINE REPLACEMENT PROJECT - PHASE 2B - HAMILTON
BID2020-82
BASE BID**

Item No.	Bid Item Description	Estimated Quantities	Units	Unit Price in Figures	Amount in Figures
1.	A. WATER SERVICE REPLACEMENT - UTILITY SIDE _____ (write Unit Price in words)	1,200	EACH	\$ _____	\$ _____
1.	B. WATER SERVICE REPLACEMENT - HOMEOWNER SIDE _____ (write Unit Price in words)	750	EACH	\$ _____	\$ _____
1.	C. NEW CORP STOP AT MAIN _____ (write Unit Price in words)	200	EACH	\$ _____	\$ _____
1.	D. TRANSFER WATER SERVICE CONNECTION TO NEW/LARGER WATER MAIN _____ (write Unit Price in words)	30	EACH	\$ _____	\$ _____
1.	E. WATER METER REPLACEMENT _____ (write Unit Price in words)	200	EACH	\$ _____	\$ _____
1.	F. RIGHT OF ENTRY NOT GRANTED _____ (write Unit Price in words)	200	EACH	\$ _____	\$ _____
1.	G. ACCESS NOT PROVIDED _____ (write Unit Price in words)	80	EACH	\$ _____	\$ _____
1.	H. CURB STOP IN CONCRETE _____ (write Unit Price in words)	900	EACH	\$ _____	\$ _____
1.	I. LONG-SIDE REPLACEMENT _____ (write Unit Price in words)	650	EACH	\$ _____	\$ _____
1.	J. NEW CURB BOX _____ (write Unit Price in words)	250	EACH	\$ _____	\$ _____

PRICE SCHEDULE
TRENTON WATER WORKS
LEAD SERVICE LINE REPLACEMENT PROJECT - PHASE 2B - HAMILTON
BID2020-82
BASE BID

Item No.	Bid Item Description	Estimated Quantities	Units	Unit Price in Figures	Amount in Figures
2.	TEST PIT AT CURB STOP _____ (write Unit Price in words)	400	EACH	\$ _____	\$ _____
3.	A. FINAL PAVEMENT RESTORATION (Infa-red) _____ (write Unit Price in words)	640	SY	\$ _____	\$ _____
3.	B. FINAL PAVEMENT RESTORATION (Mill and Paving) _____ (write Unit Price in words)	9,500	SY	\$ _____	\$ _____
3.	C. FINAL RESTORATION COMPLETED _____ (write Unit Price in words)	1,200	EACH	\$ _____ (minimum \$100)	\$ _____
4	ENVIRONMENTAL PROTECTION _____ (write Lump Sum Price in words)		LUMP SUM		\$ _____
5	MISCELLANEOUS WORK AT DIRECTION OF THE OWNER _____ ONE HUNDRED AND SEVENTY-FIVE THOUSAND DOLLARS (write Unit Price in words)		ALLOWANCE	\$175,000	\$175,000
6	TRAFFIC CONTROL _____ THREE HUNDRED THOUSAND DOLLARS (write Unit Price in words)		ALLOWANCE	\$300,000	\$300,000
7	PERMITS _____ FOUR HUNDRED THOUSAND DOLLARS (write Unit Price in words)		ALLOWANCE	\$400,000	\$400,000
TOTAL BASE BID PRICE IN FIGURES (Items 1 through 7)				\$ _____	
TOTAL BASE BID PRICE IN WORDS (Items 1 through 7)				\$ _____	

**PRICE SCHEDULE
TRENTON WATER WORKS
LEAD SERVICE LINE REPLACEMENT PROJECT - PHASE 2B - HAMILTON
BID2020-82
SUPPLEMENTAL BID**

Item No.	Bid Item Description	Estimated Quantities	Units	Unit Price in Figures	Amount in Figures
S-1A.	LEAD SERVICE LINE EXCAVATION GREATER THAN 5 FEET _____ (write Unit Price in words)	400	CY	\$ _____	\$ _____
S-2A.	IMPORTED COMMON FILL _____ (write Unit Price in words)	40	CY	\$ _____	\$ _____
S-2B.	CRUSHED STONE _____ (write Unit Price in words)	20	CY	\$ _____	\$ _____
S-2C.	DENSE-GRADED AGGREGATE _____ (write Unit Price in words)	40	CY	\$ _____	\$ _____
S-2D.	FLOWABLE FILL _____ (write Unit Price in words)	10	CY	\$ _____	\$ _____
S-3A.	FINAL PAVEMENT CURB TO CURB _____ (write Unit Price in words)	7,600	SY	\$ _____	\$ _____
S-3B.	INITIAL PAVEMENT RESTORATION WITH CONCRETE SUBBASE _____ (write Unit Price in words)	60	SY	\$ _____	\$ _____
S-3C.	GRAVEL DRIVEWAY _____ (write Unit Price in words)	30	SY	\$ _____	\$ _____
S-3D.	BRICK OR ROCK PAVERS _____ (write Unit Price in words)	100	SY	\$ _____	\$ _____
S-3E	ASPHALT PRICE ADJUSTMENT TWO THOUSAND DOLLARS _____ (write Unit Price in words)	ALLOWANCE		\$2,000	\$2,000
S-4.	MISC. CONCRETE _____ (write Unit Price in words)	20	CY	\$ _____	\$ _____
TOTAL SUPPLEMENTAL PRICE IN FIGURES (S-1 through S-4)				\$ _____	
TOTAL SUPPLEMENTAL PRICE IN WORDS (S-1 through S-4)				\$ _____	
TOTAL BASE BID PRICE PLUS SUPPLEMENTAL PRICE IN FIGURES				\$ _____	
TOTAL BASE BID PRICE PLUS SUPPLEMENTAL PRICE IN WORDS				\$ _____	

Contract award will be based on the total of the base bid price plus all supplemental bid items, even if some or all of the supplemental bid items are not ultimately included in the contract.

CITY OF TRENTON
BID2020-82 – PHASE 2B
ACKNOWLEDGMENT OF RECEIPT OF ADDENDA
MANDATORY

THIS FORM MUST BE COMPLETED AND SUBMITTED WITH YOUR BID

The undersigned Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number

Dated

ADDENDUM NO. 1

11/17/2020 (ICG)

Acknowledged for: _____
(Name of Bidder)

By: _____
(Signature of Authorized Representative)

Name: _____

Title: _____