

Document 00910

ADDENDUM NO. 1

Date of Addendum: 09-29-2015

PROJECT NAME: Sanitary Sewer Cleaning and Television Inspection In Support of Rehabilitation

PROJECT NO: WBS No. R-000266-0245-4, File No. 4277-90

BID DATE: October 15, 2015 (There is no change to the Bid Date.)

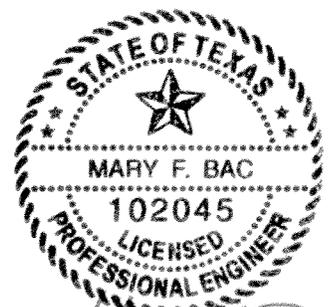
FROM: Tim Lincoln, P.E., City Engineer
City of Houston
Department of Public Works and Engineering
1002 Washington Avenue
Houston, Texas 77002

Attn: Mary Bac, P.E., Project Manager

TO: **Prospective Bidders**

This Addendum forms a part of the Bidding Documents and will be incorporated into the Contract documents, as applicable. Insofar as the original Project Manual and Drawings are inconsistent, this Addendum governs.

This Addendum uses the change page method: remove and replace or add pages, or Drawing sheets, as directed in the change instructions below. Change bars (|) are provided in the outside margins of pages from the Project Manual to indicate where changes have been made; no change bars are provided in added Sections. Reissued Drawing Sheets show the Addendum number below the title block and changes in the Drawing are noted by a revision mark and enclosed in a revision cloud.



Mary F. Bac

09-29-15

Document 00410B
 BID FORM - PART B

B. BASE UNIT PRICE TABLE:

Item No.	Section No.	Item Description	Unit Measure	Unit Quantity	Unit Price	Total in Figures
1	02558	Cleaning 6"-10" Sewer, All Depths	L.F.	310,000	\$0.80	\$248,000.00
2	02558	Cleaning 12"-15" Sewer, All Depths	L.F.	35,000	\$1.20	\$42,000.00
3	02558	Cleaning 16"-24" Sewer, All Depths	L.F.	24,000	\$1.60	\$38,400.00
4	02558	Cleaning 27"-30" Sewer, All Depths	L.F.	7,000	\$3.20	\$22,400.00
5	02558	Cleaning 33"-48" Sewer, All Depths	L.F.	12,000	\$8.00	\$96,000.00
6	02558	Cleaning of Siphons, 6"-10" All Depths	L.F.	300	\$7.20	\$2,160.00
7	02558	Cleaning of Siphons, 12"-15" All Depths	L.F.	100	\$16.00	\$1,600.00
8	02558	Cleaning of Siphons, 16"-24" All Depths	L.F.	100	\$20.00	\$2,000.00
9	02558	Cleaning of Siphons, 27"-36" All Depths"	L.F.	100	\$24.00	\$2,400.00
10	02558	Cleaning of Siphons, 42"-48" All Depths	L.F.	100	\$40.00	\$4,000.00
11	02558	Mechanical Cleaning 6"-10" Sewer, All Depths	L.F.	100	\$9.60	\$960.00
12	02558	Mechanical Cleaning 12"-15" Sewer, All Depths	L.F.	100	\$12.00	\$1,200.00
13	02558	Degreasing of Sewer, All Sizes, All Depths	L.F.	100,000	\$1.00	\$100,000.00
14	02558	TV Inspection 6"-10" Sewer, All Depths	L.F.	310,000	\$0.80	\$248,000.00
15	02558	TV Inspection 12"-15" Sewer, All Depths	L.F.	35,000	\$0.80	\$28,000.00
16	02558	TV Inspection 16"-24" Sewer, All Depths	L.F.	24,000	\$1.60	\$38,400.00
17	02558	TV Inspection 27"-30" Sewer, All Depths	L.F.	7,000	\$2.40	\$16,800.00
18	02558	TV Inspection 33"-48" Sewer, All Depths	L.F.	12,000	\$3.20	\$38,400.00

Document 00410B
 BID FORM - PART B

B. BASE UNIT PRICE TABLE:

Item No.	Section No.	Item Description	Unit Measure	Unit Quantity	Unit Price	Total in Figures
19	02558	TV Inspection 54" - 84" Sewer, All Depths	L.F.	5,800	\$3.20	\$18,560.00
20	02558	TV Inspection of Siphons, 6" - 10", All Depths	L.F.	300	\$3.20	\$960.00
21	02558	TV Inspection of Siphons, 12" - 15", All Depths	L.F.	100	\$4.00	\$400.00
22	02558	TV Inspection of Siphons, 16" - 24", All Depths	L.F.	100	\$4.80	\$480.00
23	02558	TV Inspection of Siphon 27" - 36", All Depths	L.F.	100	\$5.60	\$560.00
24	02558	TV Inspection of Siphon 42" - 48", All Depths	L.F.	100	\$6.40	\$640.00
25	02558	TV Inspection with Dye Water Extra, in Addition to TV as Above	L.F.	300	\$0.50	\$150.00
26	02553	Obstruction Removal by Excavation, All Sizes, Over 10' Depth	EACH	1	\$600.00	\$600.00
27	02553	Obstruction Removal by Remote Method (Setup for each Manhole Section), All Sizes, All Depths	EACH	1	\$350.00	\$350.00
28	01555	Flagmen For Traffic Control (Uniformed Peace Officer)	HOUR	60	\$36.00	\$2,160.00
29	01555	Certified Flagmen For Traffic Control (Not a Peace Officer)	HOUR	60	\$17.00	\$1,020.00

Document 00410B
 BID FORM - PART B

B. BASE UNIT PRICE TABLE:

Item No.	Section No.	Item Description	Unit Measure	Unit Quantity	Unit Price	Total in Figures
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Base Unit Price Total (a): \$956,600.00

C. EXTRA UNIT PRICE TABLE:

Item No.	Section No.	Item Description	Unit Measure	Unit Quantity	Unit Price	Total in Figures
30	01555	Traffic Control Plan	EACH	1	\$5,500.00	\$5,500.00

Extra Unit Price Total
 (b): \$5,500.00

Bidder's Adjustment Factor (f) = _____
 (Uniform Factor For All Items in Base Unit Price Table and Extra Unit Price Table)

(up to 4 decimal places)

D. CASH ALLOWANCE TABLE: [NA]

E. ALTERNATES TABLE: [N/A]

F. TOTAL BID PRICE: \$962,100.00 X _____ = _____
 (a + b) (f)

Example : TOTAL BID PRICE = (a + b) x (f); where (f) for 1% below Base Bid Total is 0.9900 and 1% above Base Bid Total is 1.0100

2.0 SIGNATURES: By signing this Document, I agree that I have received and reviewed all Addenda and considered all costs associated with the Addenda in calculating the Total Bid Price.

Bidder: _____
 (Print or Type full name of your proprietorship, partnership, corporation, or joint venture.*)

**By: _____
 Signature Date

Name: _____
 (Print or type name) Title

Address: _____
 (Mailing)

 (Street, if different)

Telephone and Fax Number: _____
 (Print or type numbers)

* If Bid is a joint venture, add additional Bid Form signature sheets for each member of the joint venture.

** Bidder certifies that the only person or parties interested in this offer as principals are those named above. Bidder has not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding.

Note: This document constitutes a government record, as defined by § 37.01 of the Texas Penal Code. Submission of a false government record is punishable as provided provided in § 37.10 of the Texas Penal Code.

END OF DOCUMENT

Section 01110

SUMMARY OF WORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Summary of the Work including Work Covered by Contract Documents, Cash Allowances, Work Sequence, Contractor use of Premises, Street Cut Ordinance, Warranty, and Additional Requirements.

1.02 WORK COVERED BY CONTRACT DOCUMENTS

- A. Work of the contract includes Cleaning of approximately 388,000 feet of sanitary sewer ranging in size from 6 to 48-inches in diameter and Television Inspection of approximately 393,800 feet of sanitary sewer ranging in size from 6 to 84-inches in diameter; Cleaning and Televising of 700 feet of siphons ranging in size from 6 to 48-inches in diameter; Mechanical Cleaning of approximately 200 feet of sanitary sewer ranging in size from 6 to 15-inches in diameter; Degreasing of approximately 100,000 feet of sanitary sewer; and ancillary work to remove and restore surface features disturbed as a result of the work.
- B. The Quantities and Base Unit Prices are listed in Document 00410B – Bid Form Part B. The final quantities for Major Unit Price Work items may vary up to forty percent from the quantities listed in Document 00410B. The final quantities for other Unit Price Work items may vary more.
- C. The Unit Price paid for work performed shall be the Base Unit Price multiplied by the Bidder's Base Bid Adjustment Factor (F). This Adjustment Factor shall be applied to all Work Items. Payment shall be in accordance with the applicable Specification Sections.

1.03 WORK SEQUENCE

- A. Construct the Work in Phases during the construction period, coordinate construction schedule and operations with the City:
 - 1. Phase 1: No Phases for this Project.
 - 2. Phase 2: [_____].
 - 3. Phase 3: [_____].

For projects with no Phases, complete site restoration within 21 calendar days of having disturbed over 50% of total project linear footage, or 2,000 linear feet, whichever is less in accordance with Section 01740 – Site Restoration.

- B. Collection System Operations in WOB will administer this contract and issue work orders to the Contractor over the term of the contract. The work will be within the City Limits and each work order may vary in its location. Location drawings will be issued with each work order.
- C. Coordination of the Work: Refer to Section 01312 - Coordination and Meetings.

1.04 CONTRACTOR USE OF PREMISES

- A. Comply with procedures for access to the site and Contractor's use of rights-of-way as specified in Section 01145 - Use of Premises.
- B. Construction Operations: Limited to the City's rights-of-way provided by the City and areas shown or described in the Contract documents.
- C. Utility Outages and Shutdown: Provide a minimum of 48 hours notice to the City and private utility companies (when applicable), excluding weekends and holidays, in advance of required utility shutdown. Coordinate all work as required.
- D. Sanitary Sewer Overflows: In the event or observance of a sanitary sewer overflow the Contractor will call the Houston Service Center at 311 (inside city limits) or (713) 837-0311 (outside city limits) within 24 hours of the event or observance

1.05 WARRANTY

- A. Comply with warranty requirements in accordance with Document 00700 - General Conditions.

1.07 ADDITIONAL REQUIREMENTS

- A. **COMPLETING WORK ORDERS** - Contractor shall complete the work order within sixty (60) days after the work order is issued. This includes completing all work items listed on the work order. Failure to complete the Work Order within the time frame specified will result in City withdrawing payments previously made on all items on the affected Work Order.

- B. CONSTRUCTION SCHEDULE - Contractor shall submit a construction schedule for each Work Order issued within 7 days to the City. Show sufficient details to illustrate sufficient planning of the work as required in Section 01326 – Construction Schedule.
- C. IDENTIFICATION BADGES – The Department of Public Works and Engineering requires for any worker on the project site to have identification badge easily visible on his or her body. The badge shall include a photograph of the employee, name of the employee, name of the company, and company logo. This requirement applies to all employees of the prime contractor, subcontractors, suppliers, and others working on the project site.
- D. VIDEO SUBMITTALS – All videos shall be submitted in accordance with the specifications in Document 02558 – Cleaning and Television Inspection.
- E. MINIMUM CREW REQUIREMENTS - City requires for the Contractor to provide a minimum of one (1) crew as requested by the City. Crews shall be available for work on this project 5 days per week, 8 hours per day, exclusive of holidays. One week of notice shall be provided to the City when adding or releasing crews. Contractor will be required to complete all work associated with work orders issued up to the end of the Contract Time, subject to limits of available funds. Failure to successfully complete such work within the time specified shall be grounds for assessing liquidated damages.

PART 2 P R O D U C T S - Not Used

PART 3 E X E C U T I O N - Not Used

END OF SECTION

Section 02558-S

CLEANING AND TELEVISION INSPECTION

The following supplements modify Section 02558 – Cleaning and Television Inspection Standard Specification. Where a portion of the Specification is modified or deleted by this Supplementary Specification, the unaltered portions of the Specification shall remain in effect.

PART 1 GENERAL

1.02 MEASUREMENT AND PAYMENT

A. Unit Prices: *Delete paragraph 10. Delete paragraphs 9 and 13 and replace with the following paragraphs. Add paragraph 14.*

- 9. If the Contractor is unable to complete the TV inspection of a mainline section after performing a reverse setup (i.e., obstructions are encountered from both the upstream and downstream manhole that prevents the passage of the camera), the Contractor shall be paid for television inspection of the actual footage of pipe successfully televised, if the TV inspection video and report is of acceptable quality.
- 13. Payment for the collection, removal, transportation and legal disposal of liquid wastes, soil, sand and other debris removed from sanitary sewer or siphon greater than 48-inches in diameter while performing cleaning shall be by cubic yard. Measurement shall be by properly executed waste manifest for roll-off container. The container shall be available on site as needed. The container shall not be loaded with material other than debris from the sanitary sewer system, shall not contain excessive free water, and shall be filled to the appropriate capacity for transportation.
- 14. Degreaser: Measurement for degreaser for the pipe segments selected by the Engineer is on a linear-foot basis from centerline to centerline of manholes.

1.03 DEFINITIONS: *Delete paragraph F and replace with the following paragraph.*

F. Television Inspection Report: A report that is submitted in pdf format for each line segment using NASSCO PACP codes.

1.05 SUBMITTALS: *Delete paragraph E and replace with following paragraph. Add paragraphs F, G and H as follows.*

E. The Contractor shall provide the City with the sewer video (including audio), a hard copy report and an electronic report in pdf format for the inspections for each line segment. The electronic report and video shall be named by line segment. The sewer video shall be MPEG4 format. The Contractor shall utilize the latest NASSCO

PACP codes at the time of the Contract notice to proceed. Prior to commencing the work the NASSCO PACP codes to be utilized shall be submitted. All work on the contract shall follow the same codes. Inspection Software must be NASSCO PACP Certified and proof of certification of Software shall be submitted prior to commencing the work. Contractor shall be current on NASSCO training. All electronic data shall be submitted in MS Access. Any variation from the requirements shall be subject to approval by the Engineer. Submittal of the CCTV videos and the reports for review can be sent through Contractor's FTP site and will be available for download. An email of the information availability and phone calls to the Inspector, Senior Inspector and/or specific contact shall be made.

F. At the end of the contract, the Contractor shall submit a hard drive including all videos and reports for the entire contract.

G. The digital information shall contain files which store each line segment as a unique digital record.

H. Degreaser: Submit product data stating physical and chemical properties.

1.06 QUALITY ASSURANCE: *Add paragraph D as follows.*

D. The work shall comply with current NASSCO standards.

PART 2 PRODUCTS: *Add section 2.04 as follows.*

2.03 VIDEO EQUIPMENT: *Delete paragraphs C and D.*

2.04 DEGREASER

A. Provide degreaser capable of liquefying grease from sewer lines on contact and that will prevent grease from re-coagulating downstream.

B. The chemical/physical characteristics of the product shall be as follows:

1. The product shall contain no petroleum solvents.
2. The product shall be non-corrosive, biodegradable, non-acidic, non-caustic and shall be safe for treatment plants.
3. The product shall contain no chlorinated or quaternary compounds.
4. The product shall be a liquid, which is totally miscible in water, in order to form a complete emulsion when mixed with water.
5. The product shall have a boiling point higher than 212 degrees and a specific gravity greater than 1.0 and less than 1.05.

- C. When requested by the Engineer, the Contractor shall demonstrate the performance capabilities of the product. If results obtained by demonstration are not satisfactory, the Contractor shall provide another product capable of degreasing the sewer line.

PART 3 EXECUTION: *Add section 3.10 as follows.*

3.02 PREPARATION: *Delete paragraph B.*

3.04 TELEVISION INSPECTION: *Delete paragraph C and replace with the following paragraph. Add paragraph D as follows.*

- C. Survey television inspection videos shall be continuous for pipe segments between manholes. Do not leave gaps in the video of a segment between manholes and do not show a single segment in more than one video, unless specifically allowed by the Engineer.

D. Videos shall include audio.

3.07 TELEVISION INSPECTION REPORT: *Delete paragraphs A thru C and replace with the following paragraph A.*

- A. Provide a television inspection report in pdf format for each line segment using NASSCO PACP codes. The electronic report shall be named by line segment.

3.10 DEGREASING

- A. Apply degreaser to sewer line as part of the cleaning process for pipe segments selected by the Engineer.
- B. Follow Manufacturer's recommendation for application of degreaser.

END OF SUPPLEMENT

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