

Document 00911

NOTICE OF
ADDENDUM NO.: 1

Date of Addendum: 4/15/2015

PROJECT NAME: Water Line Replacement in Gessner Area

PROJECT NO: S-000035-0154-4

BID DATE: April 23, 2015 (There is a change to the Bid Date.)

FROM: J. Timothy Lincoln, P.E., City Engineer
City of Houston
Department of Public Works and Engineering
611 Walker, 15th Floor
Houston, Texas 77002
Attn: Venus Price, P.E., Project Manager

TO: Prospective Bidders

The referenced Addendum forms a part of the Bidding Documents and will be incorporated into the Contract documents, as applicable.

Written questions regarding this Addendum may be submitted to the Project Manager following the procedures specified in Document 00200 – Instructions to Bidders. Immediately notify the City Engineer through the named Project Manager upon finding discrepancies or omissions in the Bid Documents.

This Addendum includes:

ADDENDUM SYNOPSIS

Change in Bid Date
Changes to Project Manual
Bidding Requirements
Contracting Requirements
Specifications


VP
RKM
Ravi Kaleyatodi, P.E., CPM
Senior Assistant Director
Department of Public Works and
Engineering

END OF DOCUMENT

00911-1
02-01-2004
ADDENDUM NO. 1

Document 00910

ADDENDUM NO.: 1

Date of Addendum: 4/15/2015

PROJECT NAME: Water Line Replacement in Gessner Area

PROJECT NO: WBS No. S-000035-0154-4

BID DATE: April 23, 2015 (There is a change to the Bid Date.)

FROM: J. Timothy Lincoln, P.E., City Engineer
City of Houston
Department of Public Works and Engineering
611 Walker Street
Houston, Texas 77002
Attn: Venus Price, 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.

CHANGE IN BID DATE

The Bid Date for this Project has been changed from April 16, 2015 to April 23, 2015.
Date Date

Time of day and place for submittal of bid remains the same.

CHANGES TO PROJECT MANUAL

BIDDING REQUIREMENTS

1. Document 00210 – Supplementary Instructions to Bidders. Replace Document 00210 in its entirety with enclosed Document 00210: pages 00210-1 through 00210-3.
2. Document 00410 – SRF Bid Form, Parts A and B. Replace Document 00410 in its entirety with the enclosed Document 00410: pages 00410-A1 through 00410-A2 and pages 00410-B1 through 00410-B7.

CONTRACTING REQUIREMENTS

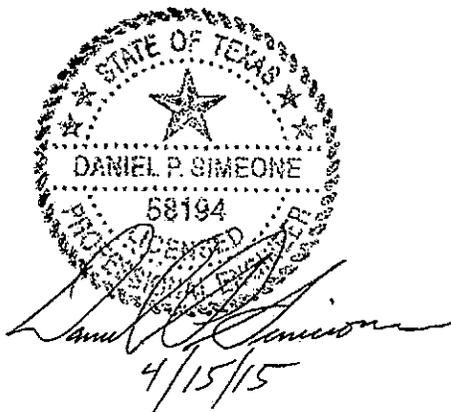
1. Document 00800 - Supplementary Conditions. Replace Document 00800 in its entirety with the enclosed Document 00800: pages 00800-1 through 00800-2.

SPECIFICATIONS

2. Document 01110 – Summary of Work. Replace Document 01110 in its entirety with the enclosed Document 01110: pages 01110-1 through 01110-12.

CLARIFICATIONS

END OF ADDENDUM NO.: 1



VP
RK:SD:ACM:VP:jgc

DATED:

VP
Ker

Ravi Kaleyatodi
Ravi Kaleyatodi, P.E., CPM
Senior Assistant Director
Department of Public Works and
Engineering

END OF DOCUMENT

Document 00210

SUPPLEMENTARY INSTRUCTIONS TO BIDDERS

The following Paragraphs modify Document 00200 - Instructions to Bidders. Where a portion of the Instructions to Bidders is modified or deleted by these Supplementary Instructions, the unaltered portions of the Instructions to Bidders remains in effect.

2.0 – DEFINITIONS: Add the following Paragraphs to this Section:

- O. *Office of Business Opportunity (OBO)*: All references to Affirmative Action Contract Compliance Division (AACC) set forth in Document 00700 – General Conditions and in other documents of the Project Manual, shall refer to, and include, the Office of Business Opportunity.

4.0 – BID DOCUMENTS: Add the following Paragraphs to this Section:

A. Add the following Paragraph A.1:

- 1. Bid documents may only be obtained electronically at the City's website: <http://bidsets.publicworks.houstontx.gov/>.

D. Add the following Paragraph D.1:

- 1. Copies of the City Standard Specifications and Details may be acquired at no cost on the City's website http://documents.publicworks.houstontx.gov/document-center/cat_view/88-engineering-and-construction/92-specifications/208-division-02-16-standard-specifications.html

- E. The following plan rooms, whose names, addresses, phone and fax numbers were last updated on April 9, 2007, have been authorized by the City to display Bid Documents for examination:
(Note: The Bid Documents furnished to the plan rooms for examination can be in electronic format, in hard copies, or in any other formats pertaining to each City Contracting Division's discretion.)

- 1. AMTEK Information Services, Inc., 4001 Sherwood Lane, Houston, TX 77092, 713-956-0100, Fax 713-956-5340, Email: planroom@amtekusa.com
- 2. Associated Builders & Contractors, Inc., (ABC), 3910 Kirby, Suite 131, Houston, TX 77098-4151, 713-523-6222, Fax 713-874-0747. Email: lori@abchouston.org

3. Associated General Contractors (AGC-BB) Building Branch, 3825 Dacoma, Houston, TX 77092-8717, 713-843-3700, Fax 713-843-3701. Email: karla.s@agchouston.org
4. Associated General Contractors, (AGC-HHUI), Highway, Heavy Utilities and Industrial Branch, 2400 Augusta St., Suite 180, Houston, TX 77057, 713-334-7100, Fax 713-334-7130. Email: houston@agctx.org (Attention: Mel Keyser)
5. Construction Information Network, 1225 North Loop West, Suite 550, Houston, TX 77008, 713-868-2233 ext. 329, Fax 866-852-2713. Email: paul.tilford@cnsx.com
6. F. W. Dodge Corporation, 4101 Greenbriar, Suite 320, Houston, TX 77098, 713-529-4895, Fax 713-524-7639. Email: terrie_harris@mcgraw-hill.com
7. Hispanic Contractors Association of Houston (HCA-GHA), 11 Parker Road, Suite 7, Houston, TX 77241, 713-699-2732 or 832-754-3705, Fax 713-695-1556, Email: hispaniccontractorsassociation@yahoo.com; or Randymagdalen@yahoo.com
8. Houston Minority Business Development Center, 2900 Woodridge, Suite 124, Houston, TX 77087, 713-644-0821, Fax 713-644-3523. Email: gtamez@gacompanies.com
9. Reed Construction Data, 30 Technology Parkway South, Suite 100, Norcross, GA – 30092-8629. Tel. 1-800-424-3996 or 1-800-699-8640; Fax 1-800-317-0870 or 1-800-508-5370.
10. The Builders' Exchange of Texas, Inc., 3910 Kirby, Suite 131, Houston, TX 77098, 210-564-6900, Fax: 210-564-6921, Email: houston@bctx.com

5.0 - EXAMINATION OF DOCUMENTS, SITE, AND LOCAL CONDITIONS: Insert the following paragraph:

A. Add the following Paragraph D.1:

1. Work will be performed in public right-of-way. The site may be examined at any time during daylight hours.

9.0 – PREPARATION OF BIDS: Add the following Paragraph I to this Paragraph:

1. For math errors the City encounters in analyzing Bids, the following guidance will be used:

In the event of a conflict between: The Bid Price is:

- | | |
|---|---|
| 1. Individual Unit Price and Extension of that Unit Price | Individual Unit Price times Estimated Quantity |
| 2. A Unit Price extension and total of Unit Price Extensions | Sum of all Individual Unit Price Extensions |
| 3. Individual Alternate and total of Alternates | Sum of all Individual Alternates |
| 4. Individual subtotals for Stipulated Price, Base Unit Prices, Extra Unit Prices, Contractor Bonus, Cash Allowances, and Alternates; and the Total Bid Price | Sum of Individual subtotals for Stipulated Price, Base Unit Prices, Extra Unit Prices, Contractor Bonus, Cash Allowances and Alternates |

10.0 – BID SUBMISSION: Add the following Paragraph A.1 to this Section:

A. Add the following Paragraph A.1:

1. City Secretary will receive Bids at 900 Bagby, Room P101, Houston, Texas until 10:30 a.m., local time on April 23, 2015.

15.0 – PREBID MEETING: Add the following Paragraph A.1 to this Section:

A. Add the following Paragraph A.1:

1. A Prebid Meeting will be held at 10:00 A.M. on Tuesday, March 24, 2015, in 15th Floor, Conference Room No. 1546 at 611 Walker, Houston, Texas 77002.

END OF DOCUMENT

Document 00410A

SRF BID FORM – PART A

To: **The Honorable Mayor and City Council of the City of Houston**
City Hall Annex
900 Bagby Street
Houston, Texas 77002

Project: Water Line Replacement in Gessner Area
Project No.: WBS No. S-000035-0154-4
Bidder: _____
(Print or type full name of business entity, such as corporation, LLC, etc.)

OFFER

- A. Total Bid Price:** Having examined the Project location and all matters referred to in Bid Documents for the Project, we, the undersigned, offer to enter into a Contract to perform the Work for the Total Bid Price shown on the signature page of this Document
- B. Security Deposit:** Included with the Bid is a Security Deposit in the amount of 10 percent of the Total Bid Price subject to terms described in Document 00200 – Instructions to Bidders.
- C. Period for Bid Acceptance:** This offer is open to acceptance and is irrevocable for 90 days from Bid Date. That period may be extended by mutual written agreement of the City and Bidder.
- D. Addenda:** All Addenda have been received. Modifications to Bid Documents have been considered and all related costs are included in the Total Bid Price.
- E. Bid Supplements:** The following documents are attached:
 - Security Deposit *(as defined in Document 00200 – Instructions to Bidders)*
 - Document 00450 - Bidder's Statement of MWSBE Status
 - Document 00452 - Contractor's Submission List - Fair Campaign Ordinance Form A
 - Document 00453 – Bidder's Statement of Residency *(not required for AIP funded project)*
 - Document 00454 - Affidavit of Non-interest
 - Document 00455 - Affidavit of Ownership or Control
 - Document 00456 - Bidder's Certificate of Compliance with Buy American Program *(required for AIP funded project)*
 - Document 00457 – Conflicts of Interest Questionnaire (CIQ)
 - Document 00458 - Bidder's Certificate Regarding Foreign Trade Restriction *(required for AIP funded project)*
 - Document 00459 - Contractor's Statement Regarding Previous Contracts Subject to EEO *(required for AIP funded project)*
 - Document 00460 – (POP 1) Pay or Play Acknowledgement Form
 - Document 00470 – Bidder's MWSBE Participation Plan *(required unless no MWSBE participation goal is provided in Document 00800 (the "Goal"))*.

- Document 00471 – Pre-bid Good Faith Efforts *(required if the goal in Bidder's Participation Plan–Document 00470 is lower than the Goal).*
- Document 00472 – Bidder's Goal Deviation Request *(required if the goal in Bidder's Participation Plan–Document 00470 is lower than the Goal).*
- Others as listed: _____

CONTRACT TIME

A. If offer is accepted, Contractor shall achieve Date of Substantial Completion within 269 days after Date of Commencement of the Work, subject to adjustments of Contract Time as provided in the Contract.

Document 00410B

SRF BID FORM – PART B

1.0 TOTAL BID PRICE HAS BEEN CALCULATED BY BIDDER, USING THE FOLLOWING COMPONENT PRICES AND PROCESS (PRINT OR TYPE NUMERICAL AMOUNTS):

A. STIPULATED PRICE:

N/A

(Total Bid Price; minus Base Unit Prices, Extra Unit Prices, Cash Allowances and All Alternates, if any)

B. BASE UNIT PRICE TABLE:

Item No.	Spec Ref.	Base Unit Short Title	Unit of Measure	Estimated Quantity	Unit Price (this column controls)	Total in Figures
1	01502	Mobilization	LS	1	\$124,288 ⁽¹⁾	\$124,288 ⁽¹⁾
2	01555	Traffic Control and Regulation	LS	1	\$21,000 ⁽²⁾	\$21,000 ⁽²⁾
3	01555	Flagmen	LS	1	\$40,000 ⁽²⁾	\$40,000 ⁽²⁾
4	01562	Tree and plant protection	LS	1	\$21,020 ⁽²⁾	\$21,020 ⁽²⁾
5	01570	Inlet Protection Barrier	LF	1,000		
6	01570	Filter Fabric Fence	LF	12,200		
7	01570	Inlet Protection Barrier (Gravel Bags)	LF	96		
8	01740	Site Restoration	LF	29,018	\$5.00 ⁽²⁾	\$145,090 ⁽²⁾
9	02221	Removing and disposing of Concrete pavements (all thickness, w/ or w/o Asphalt, including base & subgrade, w/ or w/o curb, all depth)	SY	3,012		
10	02260	Trench safety system for trench excavations	LF	3865		
11	02511	4-inch diameter water line by trenchless construction	LF	10		
12	02511	8-inch diameter water line by trenchless construction	LF	22,731		
13	02511	8-inch diameter water line by open cut	LF	302		
14	02511	8-inch diameter DIP water line by trenchless with restrained joints	LF	730		

15	02511	8-inch diameter DIP water line by open-cut with restrained joints	LF	2,192		
16	02511	12-inch diameter water line by trenchless construction	LF	859		
17	02511	12-inch diameter water line by open-cut	LF	91		
18	02511	12-inch diameter DIP water line by open-cut with restrained joints	LF	120		
19	02512	3/4-inch to 1 inch diameter water taps and copper service line with meter box, short side	EA	302		
20	02512	3/4-inch to 1 inch diameter water taps and copper service line with meter box, long side	EA	190		
21	02512	3/4-inch to 1 inch diameter water taps and copper service line with meter box, extra-long side	EA	4		
22	02513	3-inch diameter wet connection	EA	1		
23	02513	6-inch diameter wet connection	EA	1		
24	02513	8-inch diameter wet connection	EA	7		
25	02513	12-inch diameter wet connection	EA	2		
26	02516	Cut, plug, and abandon existing 3-inch diameter water line	EA	1		
27	02516	Cut, plug, and abandon existing 4-inch diameter water line	EA	1		
28	02516	Cut, plug, and abandon existing 6-inch diameter water line	EA	4		
29	02516	Cut, plug, and abandon existing 8-inch diameter water line	EA	14		
30	02516	Cut, plug, and abandon existing 12-inch diameter water line	EA	2		
31	02520	Fire hydrant assembly, all depths, including 6-inch diameter gate valve and box	EA	56		
32	02520	6-inch diameter fire hydrant branch by open-cut	LF	371		
33	02520	Remove and salvage existing fire hydrant	EA	32		

34	02525	8-inch by 8-inch diameter tapping sleeve and valve	EA	2		
35	02525	12-inch by 8-inch diameter tapping sleeve and valve with box	EA	1		
36	02525	12-inch by 12-inch diameter tapping sleeve and valve with box	EA	1		
37	02771	6-inch Doweled Curb	LF	1,141		
38	02775	Curb Ramp	SF	1,080		
39	02951	Pav Repairs/Replacement with Base material/Conc surface	SY	3,012		
TOTAL BASE UNIT PRICES						\$ _____

C. EXTRA UNIT PRICE TABLE:

Item No.	Spec Ref.	Extra Unit Short Title	Unit of Measure	Estimated Quantity	Unit Price (this column controls)	Total in figures
1	02318	Extra hand excavation	CY	100	\$35 ⁽²⁾	\$3,500 ⁽²⁾
2	02318	Extra machine excavation	CY	100	\$25 ⁽²⁾	\$2,500 ⁽²⁾
3	02318	Extra placement of backfill material	CY	100	\$20 ⁽²⁾	\$2,000 ⁽²⁾
4	02321	Excavations around obstructions	CY	100	\$30 ⁽²⁾	\$3,000 ⁽²⁾
5	02501	Extra water fittings in place	TON	1	\$3,000 ⁽²⁾	\$3,000 ⁽²⁾
<u>TOTAL EXTRA UNIT PRICES</u>						

REST OF PAGE INTENTIONALLY LEFT BLANK

D. CASH ALLOWANCE TABLE:

Item No.	Spec Ref.	Cash Allowance Short Title	Cash Allowance in figures⁽¹⁾
1	01110	Street Cut Permit Fee	\$5,000.00
3	01110	City of Houston Floodplain (Development) Permit	\$2,000.00
<u>TOTAL CASH ALLOWANCES</u>			\$7,000.00

REST OF PAGE INTENTIONALLY LEFT BLANK

E. ALTERNATES TABLE:

Item No.	Spec Ref.	Alternate Short Title	Unit of Measure	Estimated Quantity	Unit Price (this column controls)	Total Price for Alternate in figures
1		N/A				
TOTAL ALTERNATES						\$ _____

REST OF PAGE INTENTIONALLY LEFT BLANK

F. TOTAL BID PRICE: _____ \$ _____
(Add Totals for Items A., B., C., D., and E. above)

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 in § 37.10 of the Texas Penal Code.

Footnotes for Tables B through E:

- (1) Fixed Unit Price determined prior to Bid. Cannot be adjusted by the Bidder.
- (2) Minimum Bid Price determined prior to Bid. Can be increased by the Bidder by crossing out the Minimum and noting revised price on the line above.
- (3) Maximum Bid Price determined prior to Bid. Can be decreased but not increased by Bidder by crossing out the Maximum and noting revised price on the line above. A Bid that increases the Maximum Bid Price may be found non-conforming and non-responsive.
- (4) Fixed Range Bid Price determined prior to Bid. Unit Price can be adjusted by Bidder to any amount within the range defined by crossing out prices noted and noting revised price on the line above.

Document 00800

SUPPLEMENTARY CONDITIONS

The following Paragraphs amend and supplement the January 1, 2015 edition of General Conditions. Unaltered portions of General Conditions remain in effect.

ARTICLE 1 - GENERAL PROVISIONS:

1.1 *DEFINITIONS: Insert the following Paragraphs 1.1.23, 1.1.55, 1.1.56, 1.1.57, and reorder the remaining definitions accordingly.*

ARTICLE 3 - THE CONTRACTOR

3.5 *LABOR: Insert the following Paragraphs, 3.5.3.1.1*

3.5.3.1.1 The Contractor shall make Good Faith Efforts as described in Document 00806 regarding Environmental Protection Agency Disadvantaged Business Enterprises participation goals, which are as follows:

1. the MBE goal is 12.94 percent, and
2. the WBE goal is 8.72 percent

ARTICLE 8 - TIME

8.1 *PROGRESS AND COMPLETION: Add the following Paragraph 8.1.6.1.*

8.1.6.1 Contractor shall credit the City by Change Order for inspection services for overtime work or work performed on Sundays or Legal Holidays. The amount Contractor credits the City will be \$50.00 per hour per inspector for inspection services

ARTICLE 9 - PAYMENTS AND COMPLETION

9.12 *LIQUIDATED DAMAGES: Insert the following Paragraph 9.12.1.1.*

9.12.1.1 The amount of liquidated damages payable by Contractor or Surety for each and every day of delay beyond Contract Time, are \$1,200.00 per day.

ARTICLE 11 - INSURANCE AND BONDS

11.5 *MAINTENANCE BONDS: Insert the following Paragraph 11.5.2.*

11.5.2 One-year Surface Correction Bond: Contractor shall provide, on the City standard form, an additional One-Year Bond in an amount equal to four percent of the Original Contract Price or cost of repair. Bond shall provide for Contractor's correction,

replacement, or restoration of backfill or subsurface and surface work not in accordance with the Contract, within one year from the date the One-Year Maintenance Bond has expired.

END OF DOCUMENT

Section 01110

SUMMARY OF WORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Summary of the Work includes work covered by contract documents, cash allowances, alternates, City-furnished products, work sequence, Contractor use of premises; street cut ordinance, warranty and additional conditions for substantial completion.

1.02 WORK COVERED BY CONTRACT DOCUMENTS

A. Definitions

Small Diameter Water Lines: Water lines 20 inches in diameter and smaller. Unless otherwise noted in the Contract Documents, requirements pertaining to large diameter water lines do not apply to pipe, valves and appurtenances 20-inches and smaller.

Large Diameter Water Lines: Water lines 24 inches in diameter and larger. References to large diameter water lines shall apply to pipe, valves and appurtenances 24-inches and larger.

B. Project Scope

Work of the Contract is for construction of approximately 29,018 linear feet of water lines (10 linear feet of 4-inch; 27,973 linear feet of 8-inch; and 1,035 linear feet of 12 inch) and construction of service lines, valves, fitting, connections, fire hydrants and appurtenances as shown on the construction drawings, project manual or otherwise instructed by the City Engineer. The project scope also includes site restoration, tree protection, storm water pollution prevention and traffic control in relation to the construction of water lines.

C. Justification and Benefits

The age of the existing water distribution systems in the project area ranges from 30- to 60-years; well beyond its service life. The systems' piping materials include asbestos concrete (AC) and cast iron (CI). The City desires to eliminate both the AC pipe (for environmental reasons and its high maintenance due to its brittle nature), and the CI pipe (due to its tendency to corrode, thus reducing system pressures). The number of fire hydrants serving the area is inadequate. This project will improve water quality to the project area and bring the distribution facilities into compliance with current City of Houston requirements.

D. Construction

The trenchless construction method will be used for water line construction unless otherwise shown on the construction drawings, indicated in the project manual, instructed by the City Engineer, or requested by the contractor and approved by the City Engineer. Generally, open-cut construction methods will be used at the sites of horizontal and vertical offsets, bends in the water line's horizontal alignment, and at valves, tees, and other fittings. Fire hydrant leads will be installed by open-cut unless otherwise shown on the construction drawings. Whenever possible, the contractor shall make an effort to locate pits away from existing concrete or asphalt pavement, sidewalks, driveways, fences, culverts, inlets, manholes, power poles, light poles, trees, lawns, landscapes, existing structures and other existing facilities. No pits are allowed within driveways, tree canopies of 6-inches or larger or landscapes, unless otherwise instructed by City Engineer. No separate payment will be made for any non-trenchless methods of installation unless included as a bid item in Document 00410-Bid Form. Include cost in appropriate utility sections and bid accordingly.

Conduct all construction operations under this contract in conformance with the erosion control practices described in Section 01410 TPDES Requirements, Section 01570 Storm Water Pollution Prevention Control and the Storm Water Pollution Prevention Plan included in the construction drawings. Work identified in this project falls under Small Construction Activity (disturbed area greater than one but less than five acres). TPDES requirements applicable to Small Construction Activity shall apply.

Any pavement (including wheelchair ramps, curbs, sidewalks, walkways, driveways, bikeways, etc.), fences, gates, lawns, irrigation utilities, landscapes, ditches, culverts, inlets, manholes, signs or mail boxes and other improvements that have been disturbed due to utility construction shall be replaced with same quality material or better, according to the City Standard Specifications and Details, located at

<http://edocs.publicworks.houstontx.gov/engineering-and-construction/specifications.html>

http://documents.publicworks.houstontx.gov/document-center/cat_view/88-engineering-and-construction/96-drawings.html

Include the cost in Section 01740 Site Restoration and bid accordingly.

Connect the water lines of this project listed in Table 1 below to the existing water lines. No separate payment will be made for any additional effort necessary to complete work unless included as a bid item in Document 00410 – Bid Form. Include the cost in appropriate utility section and bid accordingly.

TABLE 1

Item	Sheet No.	Location
NORTH		
1	24	Redding Road at Bellaire Blvd.
2	43	Clarewood Dr. at South Gessner Dr.
3	53	Sands Point Dr. at South Gessner Dr.
4	55	Sands Point Dr. at Burning Tree Dr.
SOUTH		
5	59	Pella Dr. at Bellaire Blvd.
6	78	Neff Str. at South Gessner Dr.
7	91	Stroud Str. at South Gessner Dr.

E. Coordination

Intersection of Augustine Drive and Stroud Drive:

- Project: Water Line Replacement in Sharpstown Area (WBS No.: S-000035-0155-4)
- City of Houston Project Manager: Mumtaz Baig, P.E. (832-395-2309)
- Engineer of Record: Leon Hoch, P.E. at Charles D. Gooden Consulting Engineers, Inc. (713-660-6905 x230).

Intersections of Rowan Lane and Leader Drive with Pella Drive:

- Project: Water Line Replacement in Bellaire-Beltway 8 Area (WBS No.: S-000035-0195-4)
- City of Houston Project Manager: Mumtaz Baig, P.E. (832-395-2309)
- Engineer of Record: Prasad Kolluru, P.E. at Amani Engineering, Inc. (713-270-5700)

An 8-inch water line was recently constructed by others in Augustine Drive crossing Stroud Drive. It connected by way of a vertical offset and tapping sleeve and valve to an existing east-west 8-inch water line in Stroud Drive. Contractor shall connect the proposed north-south 8-inch water line in Augustine Drive (this contract) to the proposed east-west 8-inch water line in Stroud Drive (this contract) at the same elevation as the recently constructed 8-inch water line crossing Stroud Drive (see Sheet 68). Said connection shall include removing the existing tapping sleeve and valve and installing an 8-inch gate valve w/box in its place.

Construction of water line on streets adjacent to schools should be performed during weekends, school holidays or other non-school hours, unless otherwise instructed by City Engineer. Unless otherwise approved by City Engineer, Contractor shall use uniformed peace officer for work along major thoroughfares; work adjacent to schools, churches and hospitals; and work at signalized intersections.

City of Houston Floodplain Management Office – Contractor shall obtain the flood plain permit prior to start of construction. The permit can be obtained by contacting the City of Houston Floodplain Management Office at (832) 394-8854.

F. Tree Protection

Contractor is responsible for obtaining a tree removal permit, unless provided by Project Manager, prior to any tree removal. The permit will only be issued for the trees listed in the construction drawings. The permit can be obtained by contacting Mr. Victor Cordova with the City of Houston, Department of Parks and Recreation at (832) 395-8454. Notify Mr. Victor Cordova at least two (2) weeks in advance of clearing and cutting any tree.

Contractor shall adhere to the requirements of Section 01562 Tree and Plant Protection, Section 02915 Tree Planting, Section 01740 Site Restoration and the Tree Protection Plan provided in the set of construction drawings.

G. Geotechnical Investigation / ESA for Soil Conditions

A compact disc (CD) containing the Geotechnical Investigation and the Phase I and Phase II Environmental Site Assessment Reports listed in Document 00320 Geotechnical Information and Document 00340 Environmental Information are provided with the bid documents. Bidders must evaluate these reports in their entirety and take into account the soil conditions so as to facilitate the successful implementation of the Work.

The bid documents are available at: <http://bidsets.publicworks.houstontx.gov/>.

H. Field Office

Refer to Section 01502 Mobilization and Section 01520 Temporary Field Office. A field office is required for this project.

I. Substitute Service Program

Not Applicable

J. General Notes

1. The flow lines and locations of all underground utilities must be located by whatever means required (metal detection equipment, probes, excavation, survey, coordination with utility companies) by the Contractor prior to construction. All field verification work and utility adjustments shall be completed prior to excavation for proposed utilities. No separate payment will be made for this work, include cost in appropriate utility sections and bid accordingly.

The notes "CAUTION EXIST CPE AND/OR AT&T FACILITIES IN AREA" is included as a precaution to the Contractor, where the proposed water line is in close proximity to an existing CenterPoint Energy (CPE) gas line smaller than 4-inch or an existing CPE other underground or above ground facility. Contractor is required to exercise caution during construction of water line in the vicinity if these facilities.

2. Services are to be transferred between existing and proposed water lines with minimum disruption of service. Existing water lines must be maintained in service until service transfer is completed.
3. Call the Traffic Management and Maintenance Division of the City of Houston Public Works and Engineering Department at (832) 395-3000 when work is scheduled near signal conduits within the City of Houston. Call at least five working days in advance. Contractor shall be responsible for any damages to existing traffic signal cables as a result of construction activities for the project. No separate payment will be made for repairs to signal conduit.
4. Service line installation could be hindered by existing cement stabilized sand backfill. No separate payment will be made for crossing cement stabilized backfill if encountered during service line installation, include cost in appropriate utility sections and bid accordingly.
5. The contractor to provide cut sheets (ground elevations and proposed line inverts with amount of cut, location of bends, fire hydrants, valves and other fittings at every 100 feet in tabular format) on each street to City for approval prior to construction, include cost in appropriate utility sections and bid accordingly.
6. Contractor must refer to the City of Houston's Standard Details, latest edition, located on the Department of Public Works and Engineering website at http://documents.publicworks.houstontx.gov/document-center/cat_view/88-engineering-and-construction/96-drawings.html for any updates or details not included in the construction drawings.
7. Contractor shall coordinate ahead of time with business owners and residents for installation of water lines in encroached areas of the public right-of-way. No separate pay, include cost in appropriate utility sections and bid accordingly.
8. The Contractor shall be responsible for damages to existing water, wastewater, storm water lines and traffic control devices. Damages shall be repaired in accordance with the City of Houston, Department of Public Works and Engineering's standard construction specifications for wastewater collection systems, water lines, storm drainage and street paving and standard construction details for wastewater collection systems, water lines, storm drainage and street paving referenced in this document above at no additional cost. Contractor shall coordinate ahead of time with business

owners and residents for installation of water lines in encroached areas of the public right-of-way. No separate payment will be made for repairs.

9. The Contractor shall provide and install traffic control devices in conformance with the Texas Manual on Uniform Traffic Control Devices (most recent edition as revised) during construction.
10. Existing pavement, curbs, sidewalks and driveways damaged or removed during construction shall be replaced to City of Houston standards.
11. The condition of the road and right-of-way upon completion of the job shall be as good as or better than the condition prior to starting work.
12. The Contractor shall take necessary precautions to protect the root systems of shrubs, plants and trees along the area of excavation and clearing limits.
13. All utilities represented on these drawings are shown at approximate locations based on the best available information. Some of the existing underground utilities shown hereon have not been field verified. They have been plotted from information obtained from the City of Houston or private utility companies. The Contractor shall field determine the exact locations prior to commencing construction. The Contractor shall be responsible for all damages caused by his failure to exactly locate and maintain these underground utilities.
14. The Contractor shall verify the exact locations of the utilities in the field prior to commencing construction. The Contractor shall notify Texas One-Call as 713-223-4567/800-245-4545 and Lone Star One-Call at 800-669-8344 at least 48 hours before proceeding with any excavation.

K. Traffic Signals

The only traffic signal in proximity to the project area is located at the intersection of Gessner Road and Clarewood Drive. The Contractor shall be responsible for all damages to this traffic signal caused by his failure to exactly locate and maintain its above grade or underground components. For the various traffic control plan phases, accessibility to the pedestrian pole push buttons shall be maintained. Otherwise, the Contractor shall bag the pedestrian signal heads and install 'Crosswalk Closed' and other necessary signage sufficient to facilitate the safe passage of pedestrians.

1.03 CASH ALLOWANCES

- A. Include the following specific cash allowances in contract price under the provisions of General Conditions Paragraph 3.11:

1. Street Cut Permit Fee

Contractor shall obtain Street Cut Permit as per the requirement of paragraph 1.08 of this Section.

2. Floodplain Development Permit Fee

Contractor shall obtain Floodplain Development Permit as per the requirements of the City of Houston Floodplain Management Office.

1.04 ALTERNATES

- A. From the following list of Alternatives, the amount included in the Contract Price for only those Alternatives accepted by the City and listed in Paragraph 3.2 of the fully-executed Document 00520 Agreement.

Not Applicable

1.05 CITY-FURNISHED PRODUCTS

- A. Items Furnished by the City for installation and final connection by Contractor:

None

- B. Contractor's Responsibilities:

1. Contractor will supply all new construction materials as outlined in Document 00410 Bid Form.
2. Arrange and pay for product delivery to the site.
3. Together with the City, receive and unload products at the site. Inspect for completeness and damage.
4. Handle, store, install, and finish products.
5. Repair or replace damaged items.
6. A service connection tap shall be provided directly from the distribution line to a domestic water metering device specifically approved through permitting at the City's Taps and Meters Department. Contractor shall call the Substitute Services Coordinator at (832) 395-2057 before installing service leads for vacant lots, abandoned structures with or without meters.
7. Unless an approved permit exists for an independent service connection to a

Lawn Sprinkler Meter (LSM), service to an LSM will be installed through a branch from the domestic water meter service line (usually created with a tee and a 90-degree bend).

8. A separate City Water account must be established for each metered service either directly tapped from a Distribution Line or branched from a metered service line.
9. Connection of two or more domestic water meters to a single service line will not be allowed except for Lawn Sprinkler Meters (LSM), as described above. In situations where two or more domestic water meters are located in a single meter box and are connected to a single service line, follow steps a, b and, if necessary, step c.
 - a. Replace the existing single service line with two or more new service lines, one service line for each domestic water meter, and tap each to the new water main as shown in the City Standard Detail No. 02512-01 located at

http://documents.publicworks.houstontx.gov/document-center/cat_view/88-engineering-and-construction/96-drawings.html
 - b. Install each water meter in a new individual meter box.
 - c. Relocate and reinstall water meters, with prior approval from the Project Manager, as per the requirements of Section 02526 Water Meters.
 - d. Relocation/Installation of water meters to be coordinated with City of Houston Utility Customer Service at 832-395-5204

1.06 WORK SEQUENCE

- A. Construct Work according to the work sequence phases feasible for this project. Coordinate construction schedule and operations with Project Manager. Refer to Section 01326 Construction Schedule (Bar Chart) for specific details.
 1. No phases for this project.
- B. For projects with no phases, do not disturb more than 50% of total project linear feet of disturbed right-of-way and easement until site resorted in accordance with Document 01740 – Site Restoration.

- C. Coordinate construction schedule and operations with Project Manager. Refer to Document 01326 – Construction Schedule for specific details.
- D. Coordination of the Work: Refer to Section 01312 - Coordination and Meetings.

1.07 CONTRACTOR USE OF PREMISES

- A. Comply with procedures for access to the site and Contractor's use of right-of-way as specified in Section 01145 Use of Premises.
- B. Maintain local driveway access to residential and commercial properties adjacent to work areas at all times. Provide temporary driveway access to driveways in accordance with Section 01555 Traffic Control and Regulation and Section 01145 Use of Premises. Coordinate with business owners and residents. No separate payment will be made for this work unless included as a bid item in Document 00410 Bid Form. Include cost in appropriate utility sections and bid accordingly.
- C. Construction operations are limited to City rights-of-way or easements provided by City, and areas shown or described in the Contract Documents. Contractor must accommodate construction within these areas and bid accordingly.
- D. The City's Utility Maintenance Division is not responsible for assisting Contractor in locating existing water mains during construction.
- E. Contractor shall make an effort to locate proposed water valves and fire hydrants outside the flow lines of roadside ditches.
- F. Existing utility lines 4-inches and less in diameter are not shown in the profile of the construction drawings; but they do exist as per the plan view. Contractor shall pre-locate these existing utility lines, as required.
- G. Utility Outages and Shutdown: Provide notification to the City and private utility companies (when applicable) a minimum of 48 hours, excluding weekends and holidays, in advance of required utility shutdown. Coordinate all work with the City, as required.
- H. Contractor shall contact utility coordinating committee at (713) 223-4567 or 1-800-669-8344 a minimum of 48 hours prior to construction to field-locate utilities.

1.08 STREET CUT ORDINANCE

- A. Excavations on or under pavement in City rights-of-way must have a permit. Comply with City of Houston, Texas Ordinance No. 2000-1115, an ordinance amending Chapter 40 of the Code of Ordinances, Houston, Texas, relating to excavating in the public right-of-way, and comply with amendments provided by Texas Ordinance No. 2006-0595 including the following fee schedule:
Refer to Schedule of Permit Application Fees Located at:

http://cohapp.cityofhouston.gov/FIN_FeeSchedule/default.aspx

All fees and charges are non-refundable

Contractor shall comply with street cut requirements according to the City Infrastructure Design Manual located at:

http://documents.publicworks.houstontx.gov/document-center/cat_view/88-engineering-and-construction/90-design-manuals.html

- B. The bid items to compensate the cost incurred due to the Street Cut Ordinance for pavement repair and replacement limits identified on the construction drawings are included in Document 00410 Bid Form.
- C. Contractor shall obtain all required permits and signs prior to performing any construction involving street excavation in the existing pavement.
- D. The following table contains a list of streets that are identified on the construction drawings as candidates to be cut and excavated for the construction of Work. **These streets are either on the City's list of pavement as less than 5 years old or during field visit appeared to be less than 5 years old.** Contractor shall field verify current conditions and bid accordingly.

Item	Street Name	Approximate Station Number	Quantity (SY)	Sheet No.	Asphalt or Concrete
None	None	None	None	None	None
Subtotal (asphalt)			None		
Subtotal (concrete)			None		
TOTAL			None		

- E. The following table contains a list of streets that are identified on the construction drawings as candidates to be cut and excavated for the construction of Work. **These streets are either NOT on the City's list of pavement as less than 5 years old or during field visit appeared to be more than 5 years old.** Contractor shall field verify current conditions.

Item No.	Sheet No.	Approximate Station No.	Street Name	Quantity SY	Asphalt or Concrete
NORTH AREA					
1	24	3+00 to 3+80	Redding Road	100	Concrete
2	25	7+80 to 8+40	Redding Road	100	Concrete
3	31	36+06 to 36+35	Redding Rd. at Sands Point Dr.	38	Concrete
4	31	36+16 to 36+40	Redding Rd. at Sands Point Dr.	31	Concrete
5	31	37+40 to 37+50	Redding Rd.	15	Concrete

SUMMARY OF WORK

Item No.	Sheet No.	Approximate Station No.	Street Name	Quantity SY	Asphalt or Concrete
6	32	5+07 to 5+27	Burning Tree	35	Concrete
7	36	21+80 to 22+00	Burning Tree at High Star Drive	35	Concrete
8	39	2+57 to 3+10	High Star Drive	84	Concrete
9	41	1+00 to 1+65	Hornwood Drive	101	Concrete
10	42	5+80 to 6+46	Hornwood Drive at Burning Tree Drive	72	Concrete
11	43	2+20 to 2+30	Clarewood Dr. at S. Gessner	23	Concrete
12	43	4+93 to 5+00	Clarewood Dr.	23	Concrete
13	44	5+01 to 5+10	Clarewood Dr.	23	Concrete
14	44	6+05 to 6+25	Clarewood Dr.	23	Concrete
15	44	7+80 to 8+25	Clarewood Dr.	45	Concrete
16	45	9+68 to 10+15	Clarewood Dr.	70	Concrete
17	46	15+43 to 15+71	Clarewood Dr.	35	Concrete
18	47	1+12 to 1+40	Demoss Dr. at Redding Rd.	50	Concrete
19	49	1+14 to 1+42	Dashwood Dr. at Redding Rd.	70	Concrete
20	51	1+45 to 1+70	Hiawatha Drive at Redding Rd.	35	Concrete
21	53	3+81 to 4+02	Sands Point Dr.	22	Concrete
22	53	4+74 to 4+90	Sands Point Dr.	22	Concrete
23	54	6+22 to 6+43	Sands Point Dr. (south)	45	Concrete
24	54	6+22 to 6+59	Sands Point Dr. (north)	60	Concrete
25	54	7+96 to 8+16	Sands Point (north)	50	Concrete
26	54	8+62 to 9+02	Sands Point Dr. (south)	59	Concrete
27	54	8+62 to 9+02	Sands Point Dr. (north)	59	Concrete
28	54	9+62 to 9+72	Sands Point Dr. at Redding Rd.	32	Concrete
29	54	10+12 to 10+46	Sands Point Dr. at Redding Rd.	15	Concrete
30	55	11+64 to 11+90	Sands Point Dr. (north)	145	Concrete
31	55	13+33 to 13+43	Sands Point at Burning Tree Dr.	32	Concrete
32	55	14+00 to 14+12	Sands Point at Burning Tree Dr.	45	Concrete
			<i>Subtotal</i>	1,594	
SOUTH AREA					
33	57	6+57 to 7+00	Pella Dr. at Rowan Ln.	131	Concrete
34	57	9+59 to 10+59	Pella Dr. at Neff St.	209	Concrete
35	59	17+10 to 18+66	Pella Drive	147	Concrete
36	60	1+35 to 1+64	Captain Dr.	69	Concrete
37	60	3+94 to 4+10	Captain Dr.	69	Concrete
38	64	0+90 to 1+32	Jorine Dr. at Stroud Dr.	62	Concrete
39	64	2+84 to 3+12	Jorine Dr.	46	Concrete
40	64	4+68 to 4+83	Jorine Dr.	15	Concrete
41	64	5+84 to 6+00	Jorine Dr.	27	Concrete
42	65	6+00 to 6+12	Jorine Dr.	28	Concrete
43	65	7+11 to 7+34	Jorine Dr.	37	Concrete
44	67	6+35 to 6+63	Edgemoor Dr. at Augustine Dr.	32	Concrete

Item No.	Sheet No.	Approximate Station No.	Street Name	Quantity SY	Asphalt or Concrete
45	68	1+32 to 1+67	Augustine Dr. at Stroud Dr.	32	Concrete
46	70	10+34 to 10+62	Augustine Dr.	32	Concrete
47	77	13+65 to 13+94	Neff St. at Augustine Dr.	150	Concrete
48	79	1+26 to 1+80	Rowan Ln. at Pella Dr.	35	Concrete
49	82	14+70 to 15+40	Rowan Ln. at Augustine Dr.	32	Concrete
50	83	1+10 to 1+50	Roos Rd. at Pella Dr.	40	Concrete
51	84	8+54 to 8+68	Roos Rd. at Jorine Dr.	15	Concrete
52	86	15+80 to 16+12	Roos Rd. at Augustine Dr.	32	Concrete
53	87	4+38 to 4+48	Stroud Dr.	15	Concrete
54	88	8+40 to 8+90	Stroud Dr. at Jorine Dr.	32	Concrete
55	90	16+37 to 16+67	Stroud Dr. at Augustine Dr.	32	Concrete
56	90	17+54 to 17+70	Stroud Dr.	22	Concrete
57	90	17+80 to 18+20	Stroud Dr.	47	Concrete
58	91	19+30 to 19+42	Stroud Dr.	30	Concrete
			<i>Subtotal</i>	<i>1,418</i>	
			TOTAL:	3,012	

1.09 **WARRANTY**

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

1.10 **ADDITIONAL CONDITIONS FOR SUBSTANTIAL COMPLETION**

- A. In addition to requirements outlined in Document 00700 General Conditions, for Contractor to be substantially complete with the Work and call for inspection by Project Manager to confirm, the following conditions must be met or completed:
 - a. All pay items complete the report.
 - b. All testing shall be completed and accepted by Project Manager.
- B. No additional condition described in Paragraph 1.10 may be included in Contractor's punch list.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION - Not Used

END OF SECTION