

Document 00910

ADDENDUM NO. 1

Date of Addendum: 3/9/16

PROJECT NAME: Fire Hydrant Replacement Project

PROJECT NO: WBS No. S-000035-0236-4, File No. WA 11238

BID DATE: March 17, 2016 (There is no change to the Bid Date.)

FROM: Sandeep Aggarwal, P.E., Managing Engineer
City of Houston, Public Works & Engineering Department
7000 Ardmore
Houston, Texas 77054

Attn: Syed Moinuddin, P.E., Supervising Engineer

TO: Prospective Bidders

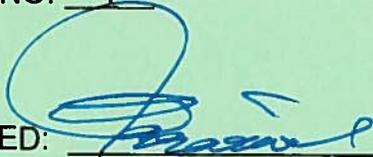
This Addendum forms a part of the Bidding Documents and will be incorporated into the Contract documents, as applicable. Insofar as the original Project Manual and Drawings are inconsistent, this Addendum governs.

CHANGES TO PROJECT MANUAL

BIDDING REQUIREMENTS

1. Document 01110, Replace with the Attached Document 01110.

END OF ADDENDUM NO. 1

DATED: 

Sandeep Aggarwal, P.E.
Managing Engineer
Drinking Water Operations,
Public Utilities Division

END OF DOCUMENT

Document 00911

NOTICE OF
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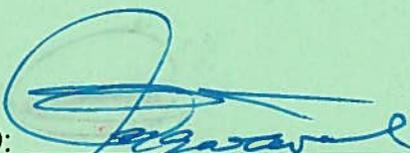
TO: Prospective Bidders

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

Changes to Project Manual

DATED: 
Sandeep Aggarwal, P.E.
Managing Engineer
Drinking Water Operations
Public Utilities Division

END OF DOCUMENT

Section 01110

SUMMARY OF WORK

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Summary of the Work including work by the City, City-furnished Products, work sequence, future work, Contractor use of Premises, special conditions for substantial completion and City occupancy.

1.02 WORK COVERED BY CONTRACT DOCUMENTS

A. Work shall include replacement of fire hydrants and valves (as needed), the height correction of fire hydrants, and the relocation of fire hydrants. It also includes ancillary work such as milling, asphalt overlay and concrete removal/replacement associated with the above described work. This project also provides for point repair for water mains, up to 16 inches in diameter, resulting from fire hydrant relocation, emergency breaks, leaks and customer complaints. Work locations may be anywhere within the City of Houston and will vary from work order to work order. The work items shall be as per Document 00410B – Bid Form, Part B of this Project Manual. All debris, except valves shall be disposed of at a lawful disposal site at the Contractor's expense. Restoration work, including pavement of driveways, sidewalks and streets after the necessary "repair" jobs are also covered as per Document 00410B – Bid Form, Part B.

B. Contractor to conform to the latest City of Houston Department of Public Works and Engineering Infrastructure Design Manual and or City of Houston Construction manual whichever is the most stringent. The installed cost for this work shall be incidental to other items of work.

C. Contractor shall make every effort not to damage or disturb existing driveways, sidewalks, curbs, vegetation, fire hydrants, other utility lines and service connections.

1.03 CASH ALLOWANCES

A. Include the following specific Cash Allowances in Contract Price under provisions of General Conditions Paragraph 3.11:

1. Payment for removal and replacement of small trees and/or shrubs under Section 01562 – Tree and Plant Protection shall be included in the contract price. Payment for removal and replacement of trees larger than 6 inch in diameter shall be reimbursed to the contractor upon submitting the original receipt.

2. Payment for required permits shall be for the actual amount without the adjustment factor. The cost for each Permit for street or sidewalk excavation, open cut pavement, excavation by jacking or boring is based on the most current rate. No payment can be made without the receipt. No work can begin without the permit

3. Payment Certified Flagmen shall be included in the contract price. No separate payment shall be made for this item. The original copy of the Uniformed Officer must be signed in blue ink only and contain the badge number and the full social security number of the off-duty officer. **Forms must be turned in to City of Houston for work order to be considered "closed".** Payment for Uniformed Peace Officer for waterline repair or valve replacement **during night time only** and Daytime is included in Form 00410B, Part B.

1.04 ALTERNATES

None

1.05 CITY-FURNISHED PRODUCTS

A. Items Furnished by the City for Installation and final connection by Contractor: Water meter.

B. Contractor's Responsibilities:

1. Arrange and pay for Product delivery to the site.
2. Receive and unload Products at the site; jointly with the City, inspect for completeness or damage.
3. Handle, store, Install, and finish Products. Install all products per manufactures recommendation
4. Repair or replace damaged item

1.06 WORK SEQUENCE AND COMPLETION OF WORK ORDERS

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

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 restored in accordance with Section 01740 – Site Restoration.

C. Coordination of the Work: Refer to Section 01312 - Coordination and

Meetings.

D. Replacement of fire hydrants and valves (as needed), the height correction of fire hydrants, the relocation of fire hydrants, replacement of water lines that are associated with the installation of the new fire hydrants, and any associated work of the work orders ("repairs"), shall be completed within eight (8) days of the Test Cut completion date. Test Cut is defined as the process conducted by City of Houston Valve Section personnel of isolating a section of the water main by reducing the water flow with valves and fire hydrants to allow for water line repair or valve replacement and by providing a digital map of what valves need to be operated to make the repair and what area will be affected. Failure to complete the work within the contract time may result in the assessment of liquidated damages. See Document 00803-Work Order Supplementary Conditions.

1. After the contractor has received the Test Cut Map indicating the area to be affected by water shutdown, the contractor has 3 Calendar days to set up and notify the area as to when the repair will be completed and to notify the Contract Update Team and Senior Inspector by e-mail of set date and time that repair will be made. If Set time and date exceed contract stated days then justification for the delay also has to be stated in detail.

2. Placing a work order in Leak Detection does not stop the count of days for repair. As soon as leak detection release a work order and the test cut is completed the work order should be routed to make the 8 days repair time.

Concrete and site/yard work, including pavement of driveways, sidewalks and streets repairing, resurfacing and/or sodding of concrete, asphalt and/or lawn areas, clean up and any associated work ("restoration") shall be **completed in 9 days** Failure to complete the work within the contract time may result in the assessment of liquidated damages. See Document 00803-Work Order Supplementary Conditions.

The City will not pay for a work order until all of the work is complete, including restoration. The City will take digital photographs and conduct an inspection with the Contractor before considering a work order complete. Contractor shall pay the City an amount equal to \$100.00 per each final inspection requested after the initial final inspection was found to be in noncompliance. The Contractor shall ensure that all restoration is completed before requesting a final inspection by the City, **WORDING ON ROUTE SHALL BE INDICATED AS "REQUEST FINAL INSPECTION"**. The Contractor shall also submit digital photographs, if required. Work orders shall always be scheduled with the oldest dated work orders first. Each individual work order shall be assigned an individual number serially.

When a new valve is installed after removing an in operable valve, the contractor shall return the old valve to the City at 7101 Renwick, Houston, Texas. All old valves shall be returned to this address at the end of each

month. Contract Manager will provide a form that is to be mailed to Contract Manger/ Supervisor 48 hours before delivery date at the end of each month

New locations of Installation of valves/ fire hydrants will include submittals of as-built that include manufacturer of Valve / fire hydrant, and depth

E. "First Come First Go" shall be the order of completions. However, the City of Houston, Drinking Water Operations Assistant Director or Designee may require certain work order(s) to take priority in emergency situations. If any work is not completed as described above, the Contractor may be required to state reasons for the delays in the Daily Schedule. If the required repair is not completed as stated above, it will be deemed that work is not progressing as per these specifications. The volume of work being issued and completed should keep pace and should average out each week by the Contractor.

F. Contractor shall resolve any and all complaints, including citizen complaints, associated with a completed work order, within (3) three working days after receipt from the Project Manager. An open work order will not be deemed complete until complaints have been resolved. If the contractor fails to resolve citizen complaints within the required time frame, the City may, by Notice of Noncompliance, order Contractor to stop the Work or any portion of the Work until the citizen complaint has been resolved.

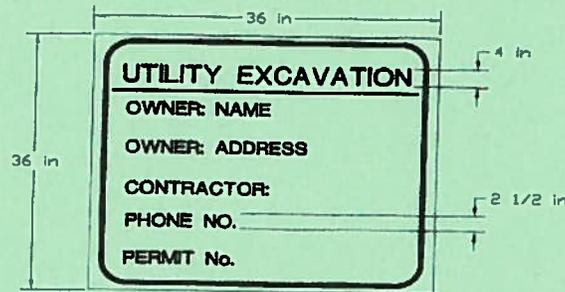
A Contractor must respond by e-mail within 3 days to Contract Management team.

- 1a. E-mail must include how complaint was responded too
- 1b Who contractor spoke to
- 1c With photos of resolution

G. The City of Houston, Drinking Water Operations Assistant Director or Designee may delete any payment already made (for later payment after full compensation for work order(s) not being "finalized and completed quickly as desired. The Contractor shall make "special effort" to complete as many work orders as possible by the 28th of the month. All work completed by the end of the month shall be paid that month. However, the City doesn't guarantee payment in that month if the last days of the month are weekends.

H. The Contractor will implement his own vehicular and pedestrian traffic control plan and obtain approval from the Traffic Engineering Branch, if required. This work will be incidental to the replacement work being performed.

The Contractor shall place a sign, see drawing at each site that a permit is obtain for when concrete, and asphalt, etc. is broken/excavated. The sign shall remain at the site until restoration is accepted. No separate pay item



for this sign.

I. The Contractor shall not subcontract more than 50 percent of the work required under this contract. Further, if the City requires the Contractor to remove from the Work any employee Contractor or Subcontractor to whom the City makes a reasonable objection, pursuant to General Conditions of the Contract, Document 00700, Article 3.5.1, the Contractor shall immediately replace the employee Contractor or Subcontractor so as not to interrupt or delay work required under this contract. At the Monthly meeting the Prime Contractor is to supply a list of work orders completed the prewise month by Prime Contractors Teams and By Sub Contractors

J. Pay Item related to Certified Welder in Document 00410B, Bid Form Part B: The Certified Welder Shall be paid for a minimum of four (2) hours when the welder report to the site any time of the day or night when requested by the Project Manager and only paid thereafter for actual weld time with logs. The Welder shall report to the Project Manager after arriving at the site and also record time of arrival at the site.

K. Other Welding Pay Items included in Doc 00410B, Bid Form Part B shall be paid only as indicated in this document.

1.07 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. Identification Badges: The Department of Public Works and Engineering requires for any worker on the project to have an identification badge easily visible on his or her body. The badge shall include a photograph 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.

1.08 STREET CUT ORDINANCE

A. Excavations on or under pavement in the City's right-of-way must have a permit, that must be submitted to payment section for work to be considered complete. 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.

B. Comply with the latest edition of street cut New Pavement Repair and Pavement Replacement details.

C. Quantities are included for street cut pavement repair and replacement in applicable Specification sections for Unit Price contracts.

Steel plates or Cold patch are the only allowable temporary solutions for repairs that cannot be completed within the same day in ANY Right-Of-Way excavation. These are incidental cost.

D. PRODUCTS

1. MATERIALS

a) Subgrade:

i) Provide backfill material as required by applicable excavation and fill sections (Sections 02315 through 02319) and Section 02330 - Embankment.

ii) Provide material for stabilization as required by applicable portions of Section 02336 Lime Stabilized Subgrade, Section 02337 - Lime/Fly-Ash Stabilized Subgrade, and Section 02338 - Portland Cement Stabilized Subgrade.

b) Base- Provide base material as required by applicable portions of Section 02711 - Hot Mix Asphaltic Base Course, Section 02712 - Cement Stabilized Base Course, and Section 02713 - Recycled Crushed Concrete Base Course.

c) Pavement- Provide paving materials as required by applicable portions of Section 02741 Asphaltic Concrete Pavement, Section 02751 - Concrete Paving, Section 02754 - Concrete Driveways, and Section 02771 - Curb, Curb and Gutter, and Headers, and Section 02775 Concrete Sidewalks. Curing

Compound is recommended.

E. EXECUTION

1. PREPARATION

- a) Obtain Street Cut permit and notify City Engineer 24 hours before commencement of construction operations.
- b) Conform to requirement of Section 02221 - Removing Existing Pavements and structures, for removals.
- c) Protect edges of existing pavement to remain from damage during removals, utility placement, backfill and paving operations. For concrete pavement, leave and protect 18 inches of undisturbed subgrade on each side of trench to support minimum of replacement slab.

2. INSTALLATION

- a) Parking Areas, Service Drives, Driveways, and Sidewalks: Replace with material equal to or better than existing or as indicated on City of Houston Standard Details Drawing Nos. 02771.01, 02775.02, 02775.04, 02775.05, 02902.01, 02902.02, 02951.01, 02951.02 and 02951.03.
- b) Street Pavements and Curbs, Curbs and Gutters: Replace subgrade, base, and surface course with like materials or as indicated on City of Houston Standard Detail Drawing No. 02951.01. Curbs, curbs and gutters shall match existing. Or match existing whichever is more stringent
- c) For concrete pavement, install size and length of reinforcing steel and pavement thickness indicated on City of Houston Standard Detail Drawing No. 02951.01. Place types and spacing of joints to match existing or as indicated on City of Houston Standard Detail Drawing No. 02951.01. Or match existing whichever is more stringent
- d) Where existing pavement consists of concrete pavement with asphalt surfacing, resurface with minimum 2-inch depth asphalt pavement.
- e) Contractor is required to use support blocking to preset the valve. Line items are covered as per Document 00410B – Bid Form, Part B.
- f) To minimize the impact to customers of shutting off water flow during installation of the large valves under this project, it is strongly suggested that the contractor use 6-inch pumps to dewater the large lines.

3. WASTE MATERIAL DISPOSAL

- a) Dispose of waste material in accordance with requirements of Section

01576 - Waste Material Disposal.

4. PROTECTION

- a) Maintain pavement in good condition until completion of the Work.
- b) Replace damaged pavement.

5. REMINDERS

- a) A Scheduled Excavation Permit is valid for sixty (60) days from date of issuance.
- b) Contract Time for Repairs: repairs shall be completed within eight (8) days of the Test Cut completion date.
- c) Contract Time for Restoration: restoration shall be completed within fourteen (14) days after the repair is completed (restoration for valves 16 inch in diameter or less shall be completed in 9 days and for larger than 16 inch diameter shall be completed in 14 days after the repair is completed).
- d) Contractor shall immediately notify the Project Manager upon completion of the repair to restore water flow to affected areas.
- e) The Contractor is required to obtain a valid lane or street closure permit when working on a public way that is designated as a major thoroughfare or a collector street.
- f) The Contractor is required to comply with Ordinance No. 2004-498: An Ordinance Relating to Impairments and Obstruction of Roadways and Sidewalks.
- g) No work that would interfere with the traffic flow shall be conducted during peak hours (6:00am to 9:00am and from 3:30 pm to 6:30 pm Monday - Friday) on a roadway that appears on the City's major thoroughfare and freeway plan or on any collector street except during pavement surface repair or prior approval by the Project Manager.
- h) The excavation shall be performed so it does not obstruct emergency access to any fire hydrant or public water supply valve.
- i) Notice to commence an excavation shall be made to the City Engineer twenty (24) business hours in advance (Monday - Friday, except City observed holidays) of initiating work.
- j) Post Permit in a waterproof, see-through jacket at job site on a yellow, high-intensity, reflective background board or other rigid surface that measures 18" x 24", that will be maintained for the life of the project. The permit must be posted in clear view at the beginning of the work site activity currently being undertaken for that day.

Permits must be obtained for all excavations before excavation begins. Cost of permits will be reimbursed upon submitting the receipt.

<http://www.gims.houstontx.gov/scps2/faq.html>

6. CONDITIONS

a) Each Contractor on behalf of itself and any contractor acting on its behalf accepts and agrees to comply with all responsibilities, requirements, standards and specifications, warranties, terms and conditions, releases, and indemnification provisions, set forth in City Ordinance No. 2000-1115 and Rules and Regulations for Chapter 40, Article V, Houston City Code.

7. PERMITEE WARRANTS TO THE CITY THE FOLLOWING

a) It shall timely perform the excavation in accordance with the permit, the City of Houston Standard detail drawings and specifications, all applicable laws, rules and regulations, and the construction standards adopted in or pursuant to Chapter 40, Article V of the Code of Ordinances, Houston, Texas, as amended from time to time.

b) It shall diligently prosecute the excavation to its final completion within the time authorized under the permit.

c) It shall warrant its excavations against all defects in workmanship and materials for a period of one (1) year after final completion of the work order.

d) It shall replace any portion of the pavement or surface of any public way excavated under the warranty set forth above if defects in workmanship or materials occur within the warranty period, and shall make such replacements within five days of written notice from the City Engineer stating the repairs necessary.

8. NOTE TO CONTRACTOR

a) Confined space entry. The contractor is responsible for providing qualified personal to enter confined spaces to perform repairs. The contractor shall be responsible for ensuring that the personnel holds a current confined space entry certification under OSHA Confined Space standard 29 CFR 1910.146 and follows all proper protocols for performing work in the confined space.

b) If the street is resurfaced or reconstructed between the date of approval of this project and the start date of construction, pavement shall be replaced per details of pavement less than 5 years old.

c) Contractor is required to fully exercise the valves after installation or as

required by the project manager before leaving the job site. Restore the excavated area as required. Price of valves and waterline repair listed in Form 410B includes applicable taxes, excavation and mobilization.

d) Contractor shall keep on-hand an adequate supply of standard parts to properly perform assigned work, as defined by work order specifications. Contractor shall promptly notify the assigned inspector of possible work delays. Contractor shall credit the City for standby time associated with inspection services for work performed as a result of the Contractor's failure to have necessary parts on-hand. The amount credited shall be according to Document 0803-Work Order Supplementary Conditions, Article 8.

e) Contractor shall conform to all requirements of Section 02317 – Excavation and Backfill for Utilities. Note the requirements to compact backfill.

f) Contractor shall conform to all requirements of Section 02741 – Asphaltic Concrete Pavement and Section 02751- Concrete Paving. If the Lab results failed to meet the requirements of these Sections, the pavement shall be removed and replaced at the contractor's cost, including lab fees.

g) Contractor cannot leave and open excavation in a right of way. Contractor must use either cold patch or a steel plate until total restoration can be made.

1.09 WARRANTY

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

1. All work required under warranty shall be completed within eight (8) days from the date the contractor is notified via email by the Project Manager to correct the work.

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:

1. All testing shall be completed and accepted by Project Manager.

2. All safety-related systems and equipment shall be installed, accepted by manufacturer's representative and approved for use.

B. No additional condition described in Part 1.10 may be included in Contractor's punch list.

1.11 UNIT PRICES

A. The Final Unit Price paid for work performed under this contract is the Base Unit Price multiplied by the Contractors overall Adjustment Factor (F). The Adjustment Factor is applied to all work items except Cash Allowance Items. Work items listed in Document 00410B – Bid Form, Part B cover all work required completing this contract. Payment shall be in strict accordance with the work items listed, the specification sections referenced, specifications specific project.

B. Standby/Time for Water Line Shut-Off – The Contractor shall be compensated for standby time associated with a City of Houston related delay, when the Contractor has mobilized at the site with proper equipment and personnel. The Contractor shall be compensated in accordance with Document 00410B – Bid Form, Part B as approved by the City Engineer. Payment will be made on an hourly basis. Standby time shall begin two (2) hours after the Contractor has mobilized at the work location and is waiting while the line shut off or closure is in progress or is being arranged by the City. **The quantities in document 410 B are approximate quantities**, and the contractor shall be paid for the actual completed and accepted work, without any adjustments.

C. Mobilization for Completed Work – The Contractor shall be compensated for mobilization of the entire crew to a location where work has already been completed by others or is determined to not be required. The Contractor shall be compensated in accordance with Document 00410B – Bid Form, Part B. Payment will be made on a per each occurrence basis for each work order, as determined by the assigned Inspector. Before moving out to the next location, the Contractor shall obtain City inspector's approval and provide a photograph of the site (clearly showing the address) and crew with date and time noted. The photograph must be submitted to the City inspector before the subject work order will be considered closed and payment made before the close of the month.

D. WORK SCHEDULE

The Contractor is required to work Monday through Sunday, including holidays, to perform Work under this contract. Work may also have to be scheduled after work hours to accommodate business and other concerns.

E. CONTRACT OVERVIEW

This contract provides for removal, disposal and installation of new large diameter water valves and associated work. The contract will be administered by the City's System Maintenance Branch, Drinking Water Operations. Work locations may be anywhere within the City of Houston. All materials used shall be approved and new.

F. The Contractor shall obtain and install signage in accordance with City's Ordinance governing Excavation in Public Right-of-Way.

G. IDENTIFICATION BADGES - The Department of Public Works and Engineering requires for any worker on the project site to have an 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.

H. Notification – The Contractor shall adhere to City of Houston Drinking Water Operations Supplementary Specifications Use of Premises Section 01145-S, 1.05 Paragraph D.

See Section 01145-S-1

It is the Contractor's sole responsibility to contact each resident or businesses that it reasonably is able determine is affected by its operations. This specifically includes water outages of any duration and limited access to streets, driveways, or sidewalks. Contractors shall attempt to speak with each such resident or business, and having tried and failed shall place a door hanger to convey the duration of service or other interruption. Door Hangers shall list both contractor and field superintendent telephone numbers.

The Contractor shall provide a list of all addresses notified and if businesses are notified the contractor shall provide a list of names as to who was contact upon request of Inspector or City of Houston Supervisor.

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