

Document 00911

NOTICE OF
ADDENDUM NO. 1

Date of Addendum: 07-10-15

PROJECT NAME: FY2016 Ditches Rehab Work Orders#1

PROJECT NO: M-430003-0001-4

BID DATE: July 16, 2015 (There is no change to the Bid Date.)

FROM: Rod Pinheiro, P.E., CFM
City of Houston, Public Works and Engineering Department
611 Walker Street, 20th Floor
Houston, Texas 77002
Attn: Pooja Bhatta, 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

Changes to Project Manual
Bidding Specification



Rod Pinheiro, P.E., CFM
Assistant Director
Storm Water Maintenance Branch
Street and Drainage Division

DATED: 7-10-15

END OF DOCUMENT

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Document 00910

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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.

CHANGES TO PROJECT MANUAL

SPECIFICATIONS

1. Document 01110 – Summary of Work. **Remove this document in its entirety and replace with the attached revised Document.**
2. Document 02315S – Roadway Excavation. **Remove this document in its entirety and replace with the attached revised Document.**

END OF ADDENDUM NO. 1



DATED: 7-10-15

Rod Pinheiro, P.E., CFM
Assistant Director
Storm Water Maintenance Branch
Street and Drainage Division

END OF DOCUMENT

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Section 01110

SUMMARY OF WORK

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Summary of the Work Covered by the Contract Documents, Contract Overview, Contract Specific Changes to the Standard Technical Specifications, Work Sequence, CONTRACTOR Use of Premises, and Warranty by the City of Houston.

1.02 WORK COVERED BY CONTRACT DOCUMENTS

- A. The CONTRACTOR will be required to complete **all Work** associated with this contract **by June 30, 2016** (subject to limits of available funds). Failure to successfully complete such Work within the time specified shall be grounds for assessing liquidated damages. By Bidding this Work, the CONTRACTOR is agreeing to provide adequate number of crews in order to perform the Work and have all Work completed by date above.
- B. Work of this contract includes, but is not be limited to: **Rehab of City of Houston Open Drainage System** (Ditches and Detention Basins). All rehab activities must ensure proper drainage of project area while work is being performed.
The CONTRACTOR will perform Work such as re-establishing roadside ditches, offroad (major) ditches, and detention basins by grade, re-grading and de-silting as determined by the City of Houston and as directed by each Work Order.

1. ROADSIDE DITCH

The City currently operates and maintains approximately **2,400 total miles** (both sides of street) of the **roadside ditch** system over a 650 square mile region. The CONTRACTOR will provide maintenance to a specific amount of this total as specified by each Work Order.

The proposed maintenance is outlined as follows, but is not limited to:

- Re-establish proper grade (re-grade) elevation from invert to invert (between driveway culverts)
- Flush driveway culverts and clear obstructions, debris, and silt as required. The cost of this shall be considered incidental to the unit price bid for Re-grade and excavate roadside ditches as shown in Document 00410 – Bid Form, Parts A & B.
- Transport excess debris to proper landfill for disposal

2. OFFROAD (MAJOR) DITCH

The City currently operates and maintains approximately **75 miles** of **offroad ditch system** over a 650 square mile region. The Offroad ditches are primarily earthen but small percentages are concrete lined. This contract **will not** include rehab/reconstruction of concrete lining. Rehab of concrete lined ditches will only consist of de-silting of flow line and/or clearing and grubbing of banks. The CONTRACTOR will provide maintenance to a specific amount of this total as specified by each Work Order.

The proposed maintenance is outlined as follows, but is not limited to:

- Remove excess sediment (de-silt) such as sand, trash, rocks, etc. from center of channel flow line
- Re-establish proper grade (re-grade) elevation from invert to invert (crossover culverts, bridge structures, and/or culverts)
- Transport excess debris to proper landfill for disposal
- As requested, the CONTRACTOR may also perform clearing and grubbing using mechanical mowing/hand mowing (power tool) as needed (removing surface debris and rubbish, clearing site of plant life and grass, removing trees and shrubs [please refer to Document No. 02233 and 02233S – Clearing and Grubbing]).

Please note that the CONTRACTOR will not be issued Work Orders for locations that have been deemed inaccessible by City crews based on lack of easements or issues with encroachments.

3. DETENTION/RETENTION POND FACILITY

The City currently operates and maintains 13 detention basin system (approximately 40 acres in total area) located over a 650 square mile region. The CONTRACTOR will provide maintenance to a specific amount of this total as specified by each Work Order.

The proposed maintenance is outlined as follows but is not limited to:

- Remove excess sediment (de-silt) such as sand, trash, rocks, etc. from low flow bypass to ensure no obstructions are present
- Re-establish proper grade (re-grade) elevation at bottom basin
- Transport excess debris to proper landfill for disposal
- As requested, the CONTRACTOR may also perform clearing and grubbing using mechanical mowing/hand mowing (power tool) as needed (removing surface debris and rubbish, clearing site of plant life and grass, removing trees and shrubs [please

refer to Document No. 02233 and 02233S – Clearing and Grubbing]).

Table 1: DRAFT List of City of Houston Maintained Detention Facilities

Detention Basin Name	Address	UFID	Area (Acres)
Sharpstown Detention Pond	6300 REAMER, HOUSTON, TX, 77074	D0256-D-530R	0.87
Brittmoore @ Church Lane	10845 CHURCH LN, HOUSTON, TX, 77043	D0596-W-449Y	1.58
Sunnyside Court Facility	8200 BASSETT ST, HOUSTON, TX, 77051	D0217-C-533T	1.71
Orem Buffalo Speedway Facility	3600 W OREM DR, HOUSTON, TX, 77045	D0380-C-572K	1.82
Parker Rd Facility	3000 PARKER RD, HOUSTON, TX, 77093	D0370-P-413Y	2.36
Spring Lea Detention Facility	1275 CUMMINS, HOUSTON, TX, 77043	D0365-W-449Z	2.77
Conrad Sauer Detention Facility	10150 OLD KATY RD, HOUSTON, TX, 77043	D0221-W-490A	3.55
Park Row Detention Facilities	99 MEMORIAL BRK, HOUSTON, TX, 77084	D0723-W-487D-A	3.73
Park Row Detention Facilities	99 MEMORIAL BRK, HOUSTON, TX, 77084	D0723-W-487D-B	4.14
Monroe Facility	8532 ALMEDA GENOA RD, HOUSTON, TX, 77075	D0574-C-575Q	5.00
Little York (Tanner) Facility	10809 W LITTLE YORK RD, HOUSTON, TX, 77041	D0589-E-409U	8.15

C. The CONTRACTOR shall note that the removal and proper disposal of all excess silt, earthen materials, and debris from this Work Order Contract is incidental to the various bid items within Document No. 00410.

1. **De-silt** is defined as removal of loose solids and debris.
2. **Re-grade** is defined as cutting of the ditch to grade, or removal of hard solids.

D. The contract will be administered by the City of Houston and as directed by the Project Manager in Work Orders. **The location of the work will not be determined at the time of Bid**, but could be anywhere within the City of Houston and its jurisdictional limits and will be established by each Work Order.

E. All Work for field surveying (setting controls, levels, layout, etc.) is incidental to the various bid items within Document No. 00410 (for additional information, please refer to Document No. 01725 – Field Surveying). Prior to any excavation, the CONTRACTOR shall establish the elevation to top of ground (**centerline of the ditch as well as cuts**) and offset stakes at the distance deemed appropriate by the CONTRACTOR to preclude disturbance of offset stakes during construction.

F. When applicable, the CONTRACTOR will be responsible for implementing and maintaining adequate traffic control for the duration of the project. Traffic control will be in accordance with the latest

version of the Texas Manual of Uniform Traffic Control Devices (TMUTCD). The CONTRACTOR shall be responsible for notifying the proper authorities regarding the closing of the roads. The CONTRACTOR will be responsible for obtaining all permits required for maintenance of traffic.

- G. The CONTRACTOR shall not begin Work until all Traffic Control measures and warning signs are in an acceptable position and the markers and signs conform to the TMUTCD and all applicable state and local requirements.
 - H. The CONTRACTOR shall maintain one lane of traffic in each direction during working hours. When traffic must be diverted into a single lane, flagmen shall be utilized. During non-working hours or times when flagmen are not available, traffic must be able to flow in both directions, unless otherwise authorized by the City Engineer. **The CONTRACTOR must obtain prior approval from the City for weekends and after-hours work.**
 - I. The CONTRACTOR shall use caution while working within the proximity of **private property** as to avoid impacts. Should impacts occur, restoration shall be to a condition that is equal or better than prior to start of Work. The repair or replacement of these types of facilities will be the CONTRACTOR's responsibility and incidental to the project superseding specification Document No. 01740 - Site Restoration, **with no additional cost to the City.**
 - J. The CONTRACTOR will be responsible for using caution and due diligence where the proposed improvements are in proximity to existing **private utilities** including gas lines, buried or overhead cables, etc., so as to not adversely impact such private utilities inside the project area. The CONTRACTOR will notify and coordinate with the private utilities that may be impacted by the proposed Work.
 - K. As required, the contractor will be responsible for implementing the Storm Water Pollution Prevention Plan (SWPPP) and using best practices during construction and is responsible for associated permit fees (comply with procedures as specified in the Document No. 01570 - Storm Water Pollution Control).
 - L. The CONTRACTOR will attend pre-construction meeting and other meetings deemed necessary by the Project Manager.
- 1.03 CASH ALLOWANCES
- A. Include the following specific Cash Allowances in Contract Price under provision of General Conditions Paragraph 3.11:

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1. Miscellaneous Permits.
Cash allowance included in Document No. 00410.

1.04 CONTRACT SPECIFICATION AND INFORMATION

A. CONTRACT OVERVIEW

1. Exhibits showing the work of the contract will be developed and issued for each Work Order. The CONTRACTOR may also be required to complete work without formal exhibit.
2. The unit price paid for work performed under this contract is the base unit prices **multiplied by the applicable Adjustment Factor**. Payment shall be in strict accordance with the work items listed, the specification sections referenced, specifications specific to this project. Please refer to Document No. 00410.

1.05 CITY-FURNISHED PRODUCTS

A. Items furnished by the City for Installation by CONTRACTOR:

1. None

B. City's Responsibilities:

1. Provide ditches and detention basins maps with unique identifier labels (UFIDs) for each when available for those areas to be grade, re-grade, and de-silt.

C. CONTRACTOR's Responsibilities:

1. Repair or replace damaged items by CONTRACTOR.
2. The CONTRACTOR shall develop and maintain a safety program which will implement required safety procedures recognized and required of their industry group.
3. Accidents shall be reported to the City Project Manager promptly, in writing, giving full details describing the incident including statements from witnesses.

1.06 WORK SEQUENCE

- A. All work within this contract will be issued through Work Orders to the CONTRACTOR. All work starts with Work Order 1, continues to each successive Work Order and shall be in a "**complete condition**" prior to beginning the next Work Order. The CONTRACTOR shall **NOT** begin

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a new Work Order without written consent by City of Houston Representative.

- B. Coordination of the work: Refer to Document No. 01312 – Coordination and Meetings

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 Document No.01145 – Use of Premises.
- B. Construction operations should be limited to CITY's right's-of-way, easements, and areas shown or described in the Work Order. If the CONTRACTOR finds it necessary to obtain additional working area, it shall be the CONTRACTOR'S responsibility for its acquisition.
- C. The CONTRACTOR shall not trespass upon or in any way disturb private property without first obtaining written permission from the CITY to do so. A copy of such written permission shall be furnished to the CITY prior to accessing the site.
- D. Utility Outages and Shutdown should provide notification to the CITY and private utility companies (when applicable) a minimum of 48 hours, excluding weekends and holidays in advanced of required utility shutdown. Coordinate all work as required.

1.08 STREET CUT ORDINANCE – Not Used

1.09 WARRANTY

- A. Comply with warranty requirements in accordance with Document 00700 - General Conditions and Document No. 00803 – Supplementary Conditions.

1.10 ADDITIONAL REQUIREMENTS

- A. CONSTRUCTION SCHEDULE - CONTRACTOR shall submit a construction schedule for each Work Order issued **within 5 days** to the CITY and show sufficient details to illustrate sufficient planning of the work as required in Document No. 01326 – Construction Schedule.
- B. 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

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employees of the prime CONTRACTOR, subcontractors, suppliers, and others working on the project site.

- C. PROTECTION OF TREES – The CONTRACTOR shall avoid any unnecessary damage to trees. Branches which overhang the project limits and which interfere with the operation of equipment shall be tied back to avoid damage, if possible. Where injury to branches is unavoidable, the branches shall be sawed off neatly per requirements outlined in Document No. 01562 – Tree and Plant Protection.

1.11 TPDES REQUIREMENTS – Not Used

PART 2 P R O D U C T S – Not Used

PART 3 E X E C U T I O N

- A. The CONTRACTOR shall keep the work area in an uncluttered condition by the frequent removal of debris. The CONTRACTOR shall remove all debris and unused material and leave the area in a condition similar to the condition of the area before any work was performed.
- B. The CONTRACTOR shall furnish and maintain, in good condition, all grading, re-grading and de-silting equipment necessary for proper execution of the work.
- C. Maintaining Flow: It will be the responsibility of the CONTRACTOR, throughout the tenure of this contract, to provide and maintain sufficient flow at all times to pass any flash of storm flow of drainage ditches and prevent any backwater flooding due to obstruction.
- D. Retrieval of Materials and Equipment: It shall be the CONTRACTOR's responsibility to remove materials and equipment that has been lodged in the open drainage system from grading, re-grading, and de-silting excavations.

END OF SECTION

Section
02315S

ROADWAY EXCAVATION

The following supplement modifies Specification Section 02315 – Roadway Excavation. Where a portion of the Specification or Detail is modified or deleted by this Supplementary Specification, the unaltered portions of the Specification shall remain effect.

PART 1 GENERAL

1.01 SECTION INCLUDES: Revise paragraph 1.01.B and add paragraphs 1.01.C and 1.01.D as follows:

- B. Re-grade, excavate, and compaction of materials for roadside ditches.
- C. De-silt, re-grade, and compaction of materials for offroad (major) ditches.
- D. De-silt, re-grade, and compaction of materials for detention basin.

1.02 MEASUREMENT AND PAYMENT: Revise paragraph 1.02.A.3 and add paragraphs 1.02.A.7 and 1.02.A.8 as follows:

A. Unit Prices.

- 3. Measurement for the bid item “Re-grade and Excavate Roadside Ditches to new grade” is on a **linear foot** basis. No separate payment will be made for re-shaping and re-grading roadway ditch shoulder slope and side slope adjacent to installed temporary pavement upon removal of temporary pavement.
- 7. De-silt and Re-grade Offroad (Major) ditches to original lines and grades and disposal of all excess silt, earthen materials and debris, in accordance with Section 01576 – Waste Material Disposal, is in **cubic yard** basis with final quality and payment to be verified by truck ticket.
- 8. De-silt and Re-grade Detention basins to original lines and grades and disposal of all excess silt, earthen materials and debris, in accordance with Section 01576 – Waste Material Disposal, is in **cubic yard** basis with final quality and payment to be verified by truck ticket.

PART 3 EXECUTION

- 3.09 RE-GRADING DITCHES (Roadside and Offroad (Major)): Add paragraph 3.09A as follows:
- A. Work shall consist of excavating ditches (roadside and offroad (major)), rectifying and/or altering ditches, placement of erosion control blanket, grading side slopes to line and grade as shown on Drawing or as directed by Project Manager, removal and proper utilization or disposal of excavated materials to ensure proper drainage of project area.

END OF SUPPLEMENT

Approved by:



Rod Pinheiro, P.E., CFM
Assistant Director
Street and Drainage Division
Storm Water Maintenance Branch



Date