

Document 00910

ADDENDUM NO. 1

Date of Addendum: 3/21/16

PROJECT NAME: Concrete Panel Replacement Program - Work Order Contract

PROJECT NO: WBS No. N-321038-0014-4

BID DATE: March 24, 2016 (There is no 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: Rowaidah Ayoub, 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.

CHANGES TO PROJECT MANUAL

BIDDING REQUIREMENTS

1. Document 00410B – Bid Form Part B. Replace pages 00410B-1 through 00410B-7.
2. Document 01110 – Summary of Work Replace pages 01110-1 through 01110-5.

END OF ADDENDUM NO. 1

DATED: Ravi Kaleyatodi

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

m: DA
RK:MS:RA:sdd

END OF DOCUMENT

00910-1
02-01-2004

Document 00911

NOTICE OF
ADDENDUM NO.

Date of Addendum: 3/25/16

PROJECT NAME: Concrete Panel Replacement Program - Work Order Contract

PROJECT NO: N-321038-0014-4

BID DATE: March 24, 2016 (There is no 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: Rowaidah Ayoub, 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.



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

END OF DOCUMENT

Document 00410B

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)

See Paragraph 9.0 in Document 00200 – Instructions to Bidders for guidance.

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	1502	Mobilization	LS	1	\$80,000 ⁽¹⁾	\$80,000 ⁽¹⁾
2	1555	Traffic control and regulation (including signs and changeable message board)	LS	1	<u>\$110,000⁽²⁾</u>	<u>\$110,000.00⁽²⁾</u>
3	1555	Flagmen	LS	1	<u>\$80,000⁽²⁾</u>	<u>\$80,000.00⁽²⁾</u>
4	1562	Tree and plant protection	LS	1		
5	1570	Filter fabric fence: Type 2	LF	1,500		
6	1570	Inlet protection barrier	LF	700		
7	2086	Adjust existing manholes, frame and cover, to new grade	EA	65		
8	2086	Adjust existing valve boxes to new grade	EA	15		
9	2221	Remove/ dispose of reinforced concrete pavements, w/ or w/o asphalt overlay, regardless of its thickness, from back-to-back of curbs. Including base & subgrade, w/ or w/o curb, all depths	SY	23,000		
10	2221	Remove/Dispose Asphalt surface/with or without base	SY	1,200		

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Item No.	Spec Ref.	Base Unit Short Title	Unit of Measure	Estimated Quantity	Unit Price (this column controls)	Total in figures
11	2221	Remove/ dispose of concrete sidewalks & driveways, all thicknesses	SY	2,500		
12	2221	Remove/dispose of concrete curb, or concrete curbs and gutters (all types) including sawcutting pavement	LF	2,500		
13	2336	Lime for lime stabilized subgrade (dry weight) (5%)	TON	150		
14	2336	Lime stabilized subgrade, 8inch thick	SY	2,000		
15	2711	Full depth base repair and spot repair of flexible / concrete pavement including sawcutting (Type B, HMAC)	TON	150		
16	2712	Cement stabilized sand base course, 8-inch thick, including excavation	SY	23,000		
17	2741	HMAC Type D (Surface or level-up), all depths	TON	100		
18	2751	Reinforced concrete pavement, up to 8" thickness, including excavation	SY	18,000		
19	2751	Reinforced concrete pavement, more than 8" thickness, including excavation	SY	2,000		
20	2752	Expansion joints, with or without load transfer	LF	3,600		
21	2752	Horizontal dowels, 24-inch	EA	10,000		
22	2754	Concrete Driveways including Excavation 6-inch thick	SF	700		
23	2754	Concrete Driveways including Excavation 7-inch thick	SF	700		
24	2764	Raised Pavement marker Ty II two face reflective	EA	600		
25	2765	Temporary raised pavement markers (Ty II-A-A and Type Y)	EA	5,000		
26	2765	Temporary raised pavement markers (Ty II--C-R)	EA	700		

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Item No.	Spec Ref.	Base Unit Short Title	Unit of Measure	Estimated Quantity	Unit Price (this column controls)	Total in figures
27	2765	Paint for Island Curb	LF	500		
28	2767	Thermoplastic Pavement Marking 4-inch wide White/Yellow(SLD/BRK all colors	LF	4,000		
29	2767	Thermoplastic Pavement Marking 8-inch wide White/Yellow	LF	1,500		
30	2767	Thermoplastic Pavement Marking 12-inch wide White/Yellow	LF	4,000		
31	2767	Thermoplastic Pavement Marking 24-inch wide White/Yellow	LF	1,500		
32	2767	Hot applied thermoplastic pavement marking (per set – bike lane symbol “bike” with diamond symbol and required arrow showing direction – white)	SET	6		
33	2767	Rail Road Cross Marking include Stop Lines/ and Two Transverse lines	EA	3		
34	2767	Thermoplastic Pavement Marking symbol ARROW	EA	10		
35	2767	Thermoplastic Pavement Marking symbol TURNING ARROW	EA	12		
36	2767	Thermoplastic Pavement Marking Elongated Word ONLY	EA	10		
37	2771	6-in Reinforced concrete saw-tooth curb	LF	200		
38	2771	Curb (reinforced concrete curb, all heights, all types)	LF	14,000		
39	2771	6-in Reinforced concrete curb and gutter	LF	500		
40	2771	6-Inch Doweled Curb	LF	250		
41	2772	Island, median, or curb modifications for crosswalks, complete in place	SY	120		

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Item No.	Spec Ref.	Base Unit Short Title	Unit of Measure	Estimated Quantity	Unit Price (this column controls)	Total in figures
42	2775	4½-in Reinforced concrete sidewalk complete in place	SF	3,000		
43	2775	Concrete curb ramp including truncated domes, headers, saw cutting, dowels, expansion joints & staining	SF	3,400		
44	2775	Modify existing accessible ramp with truncated domes	SF	500		
45	2922	Sodding	SY	1,500		
46	2960	Milling existing speed humps, all widths and depths, measured transverse to centerline of road	SY	100		
47	2960	Milling existing Asphalt pavement - full width mill to original pavement	SY	1,200		
48	16727	Loop detector saw cut with loop wire	LF	1,200		
49	02632 / 02633	Repair inlet with new locks	EA	5		
50	02632/ 02633	Remove and Replace Inlet	EA	5		
51	02751	High early strength reinforced concrete pavement, min 8-inch thick or match existing thickness	SY	3,000		
52	MUTCD; 01110	Hot applied thermoplastic pavement marking per Shared Lane Marking	EA	6		
53	TxDOT Items 560 & 644	Relocate existing sign, marker, post or mailbox	EA	8		
<u>TOTAL BASE UNIT PRICES</u>						

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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
54	2318	Extra hand excavation	CY	25	35.00 ⁽²⁾	875.00 ⁽²⁾
55	2318	Extra machine excavation	CY	25	20.00 ⁽²⁾	500.00 ⁽²⁾
56	2318	Extra cement stabilized sand	CY	150	40.00 ⁽²⁾	6,000.00 ⁽²⁾
57	2512	Relocate Existing Water Meter and Box	EA	8	500.00 ⁽²⁾	4,000.00 ⁽²⁾
58	2713	Recycled crushed concrete base course, 8 inch	TON	200	45.00 ⁽²⁾	9,000.00 ⁽²⁾
59	2741	Temporary Asphalt Roadway with 6" TY B Base	TON	100	110.00 ⁽²⁾	11,000.00 ⁽²⁾
60	2911	Topsoil	CY	50	70.00 ⁽²⁾	3,500.00 ⁽²⁾
61	TxDOT Item 423	6 inch Retaining Wall, including footing	SF	100	40.00 ⁽²⁾	4,000.00 ⁽²⁾
<u>TOTAL EXTRA UNIT PRICES</u>						\$ _____

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D. CASH ALLOWANCE TABLE:

Item No.	Spec Ref.	Cash Allowance Short Title	Cash Allowance in figures (1)
		N/A	
<u>TOTAL CASH ALLOWANCES</u>			

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
		N/A				
<u>TOTAL ALTERNATES</u>						

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F. TOTAL BID PRICE:

(Add Totals for Stipulated Price, Base Unit Price, Extra Unit Price, Cash Allowance, and All Alternates, if any)

\$ _____

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, but not decreased, by crossing out the Minimum and inserting revised price on the line above. **Cannot** be decreased by the Bidder.
- (3) Maximum Bid Price determined prior to Bid. Can be decreased by the Bidder, but not increased, by crossing out the Maximum and inserting revised price on the line above. A Bid that increases the Maximum Bid Price may be found non-conforming and non-responsive. **Cannot** be increased by the Bidder.
- (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.

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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 consists of rehabilitating or replacing sections of Portland cement concrete pavement in accordance with City specifications and in conformity with the plans for each order; Base repair and improvements to curbs and accessible ramps; pavement marking; and a variety of miscellaneous work, as needed.
- B. Curb ramps along intersections of roads/streets to be rehabilitated should be evaluated for compliance with Americans with Disabilities Act (ADA) and Texas Department of Licensing and Regulation (TDLR) standards. If the evaluated ramps do not meet these standards, the Contractor shall upgrade or replace them.
- C. Truncated domes shall be utilized and are incidental to curb ramps.
- D. The concrete work shall conform to latest edition of ACI, ASTM Building codes, City ordinances, and all other applicable construction codes, specifications, and details
- E. Contractor shall ensure that all pavement/curb/gutter replacement is done to ensure positive drainage.
- F. Striping should be installed and maintained in accordance with standards established by TxDOT's Traffic Operations Division. If the Contractor is unable to place the final traffic stripes and final traffic markings, it is permissible to allow the Contractor to place temporary raised pavement markers so that the roadway can be opened to traffic.
- G. When not practical to stripe pavement repairs or areas where striping has been destroyed by maintenance operations, on the same day as the operation, temporary raised pavement markers should be used as a short-term measure. Usually permanent markings should be placed as soon as practical.
- H. A copy of the Shared Lane Pavement Marking (sharrow) is included in Appendix B of the Project Manual. Contractor should note that the distance from the top of the topmost "v," shaped to the bottom of the bicycle symbol has a dimension of 112 inches; the overall length of the bicycle symbol is 72 inches, and the overall width of the sharrow is 40 inches. The following provides guidance on shared lane marking placement (all values given are to the center of the marking):
 - 1. On streets with on-street parallel parking, shared lane markings should be placed at least 11 feet from the face of curb (inclusive of

- gutter), or edge of pavement where there is no curb;
 - 2. On streets without on-street parallel parking, shared lane markings should be placed at least 4 feet from the face of curb (inclusive of gutter), or edge of pavement where there is no curb;
 - 3. Shared lane markings should be placed immediately after an intersection and spaced at intervals not greater than 250 feet thereafter;
 - 4. The 'sharrow' should be placed within the center of the outer travel lane to avoid excessive wear; and
 - 5. Sharrow signage should be placed at an interval of 500-750 feet.
- 1.03 CASH ALLOWANCES
- A. No cash allowances have been established for this project.
- 1.04 ALTERNATES
- A. No alternates have been established for this project.
- 1.05 CITY-FURNISHED PRODUCTS
- A. No items will be furnished by the City.
 - 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.
 - 4. Repair or replace damaged items.
- 1.06 WORK SEQUENCE
- A. No work sequence is considered 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.
- 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. Contractor will deliver a notification letter to all residents and businesses prior to the beginning of any construction activity. The letter should include (but not limited to) indication of the daily start and ending time, general description of scope of work and sequence of work to be performed, Contractors and City contact names and phone numbers. The Contractor is responsible to inform the public in advance when vehicles need to be removed within the construction limits of the project.

1.08 STREET CUT ORDINANCE

- A. Excavations on or under pavement in the City's right-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.
- 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.

1.09 WARRANTY

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

1.10 ADDITIONAL CONDITIONS FOR SUBSTANTIAL COMPLETION

- A. Prior to beginning any work, Project Identification signs shall be placed on the job site as specified in Work Order or as directed by the City Engineer.
- B. The location of utilities are not shown on the plans, it is the Contractor's responsibility to determine the exact location of all utilities before commencing work and protect them from damage during construction. To arrange for utility line locations, call the TEXAS ONE CALL SYSTEM at 1-800-669-8344 at least 48 hours prior to the commencement of work.
- C. General Construction Notes:
 - 1. Contractor shall correct conditions, where design requirements were not met at Contractor's expense.
 - 2. No existing survey data, no proposed horizontal and vertical control, and top of curb and centerline elevations are provided to the Contractor as part of this project. Contractor may use the services of a professional surveyor, if he/she wishes so, to provide all pertinent data at Contractor's cost.
 - 3. The contractor is responsible for verifying the location and elevation of all utilities in the construction area. Conflicts that result due to negligence by the contractor to locate horizontally and vertically existing utilities, which are shown on the construction drawings. Or which the contractor has been given notice or has knowledge of, shall be the sole responsibility of the contractor.

4. Contractor shall be responsible for damage to fences, concrete, driveways and other structures in or adjacent to the right-of-way.
5. The "Scope of Work" and "Street Location Map" sheets will be provided during construction by the Engineer.
6. Any saw-cut curbs damaged by the Contractor shall be replaced at no extra cost to the City. This includes existing curb, curb and gutter not marked to be removed and replaced.
7. Any manhole located in the path of proposed pavement or sidewalk must have its rim adjusted to the new pavement level. No manhole top shall be paved over.
8. The Downtown Street Work shall be scheduled for weekdays night work from 7:00 PM and ends 5:00 AM and weekends from 7:00 PM Friday and ends 5:00 AM Monday. Downtown is defined as the Major Business Area located within Key Map Grids 493L, M, and Q and bounded by IH-10 to the North, IH-45 to the west and south, and US-59 to the east. This is a generic street rehabilitation project. The actual streets that will be overlaid will be determined after awarding the contract.
9. Night time work will be determined, if applicable, for each work order.
10. The Contractor must ensure to clean and sweep prior to opening the street for traffic.
11. Contractor is responsible for clearing and removal of trash and debris in the area of proposed sidewalk construction. This material becomes the property of the contractor to be legally disposed of in an approved manner (no separate pay).
12. Contractor must use Storm Water Pollution Prevention Plan and Traffic Control Plan for the Major Thoroughfare and Downtown Streets.
13. The Contractor shall leave the street in a satisfactory condition for traffic at the end of each work period as directed by the field inspector. Traffic markings shall be in place prior to opening to traffic.
14. The Contractor should coordinate with Special Events Schedule in Downtown to ensure that downtown streets are open to traffic during special events.

E. Drainage Notes

1. All material used shall be free of vegetation debris.
2. Reconstruction ditches that are to receive fill are to be prepared as follows (no separate pay):
 - Areas with a P.I. of 25 or less will be compacted to at least 95% of the maximum density with a moisture content of -1% to +5% of optimum.
 - Areas with a P.I. of more than 25 will be compacted to at least 90% of the maximum density with a moisture content -1% to +5% of optimum.

3. Fill shall be placed in maximum loose lifts of eight inches (8") and compacted to at least 95% of the maximum density with a moisture content of -1% to +5% of optimum as determined by ASTM test method D-698 (no separate pay).
 4. Contractor shall use cement-stabilized sand under sidewalks that cross culverts and for culverts bedding.
 5. Contractor shall maintain a minimum of 1 foot shoulders along open ditch relocations or as directed by the engineer.
 6. Reconstructed ditches shall match existing ditch beginning and ending flow line elevations with a constant slope in between to maintain flow or as directed by the engineer (no separate pay).
 7. Contractor shall construct ring grates on all open-end 18-inch (18") and larger storm sewers (no separate pay).
 8. Contractor shall use solid sodding on all relocated and regarded ditches where the ditch slopes are greater than 2 horizontal to 1 vertical (2:1) or as directed by the engineer paid for by the contract unit price per square yard for solid sodding.
 9. Contractor shall protect all trees along the right-of-way line and the adjacent 5 feet outside the right-of-way (no separate pay).
 10. Contractor shall return the construction site to the original or better condition (no separate pay).
- F. 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 special conditions must be met or completed:
6. All safety related work including pavement striping, signing, and signalization.
- G. No special condition described in Paragraph 1.11 may be included in Contractor's punch list.

PART 2 PRODUCTS - Not Used

PART 3 EXECUTION - Not Used

END OF SECTION