

Document 00910

**ADDENDUM NO. 1**

Date of Addendum: 06-20-2016

PROJECT NAME: Sanitary Sewer Rehabilitation by Cured-In-Place Pipe Method (LDS)

PROJECT NO: WBS No. R-002013-0049-4, File No. 4258-70

BID DATE: June 30, 2016 (There is no change to the Bid Date.)

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

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

TO: **Prospective Bidders**

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

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



*Mary F. Bac*

*06-20-16*

CHANGES TO PROJECT MANUAL

CONTRACT FORMS

1. Document 00410B – Bid Form - Part B. Replace with attached revised Bid Form Part B.

END OF ADDENDUM NO. 1



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Dan Ratnayake, P.E.  
Managing Engineer  
Department of Public Works and Engineering

6-20-2016

DATED

B. BASE UNIT PRICE TABLE:

Item No.	Section No.	Item Description	Unit Measure	Unit Quantity	Unit Price	Total in Figures
1	02558	Cleaning 30"-36" Sewer, All Depths	L.F.	500	\$11.00	\$5,500.00
2	02558	Cleaning 42"-48" Sewer, All Depths	L.F.	1,500	\$15.00	\$22,500.00
3	02558	Cleaning 54"-60" Sewer, All Depths	L.F.	1,500	\$18.00	\$27,000.00
4	02558	Cleaning 66"-72" Sewer, All Depths	L.F.	500	\$21.00	\$10,500.00
5	02558	Cleaning of Siphons, 8"-20" All Depths	L.F.	200	\$15.00	\$3,000.00
6	02558	Cleaning of Siphons, 21"-30" All Depths"	L.F.	200	\$26.00	\$5,200.00
7	02558	Cleaning of Siphons, 33"-48" All Depths	L.F.	200	\$48.00	\$9,600.00
8	02558	Debris Collection, Removal, Transportation and Disposal	C.Y.	500	\$200.00	\$100,000.00
9	02558	TV Inspection 30"-72" Sewer, All Depths	L.F.	4,000	\$4.00	\$16,000.00
10	02558	TV Inspection with Dye Water Extra, in Addition to TV as Above	L.F.	300	\$0.50	\$150.00
11	02558	TV Inspection of Siphon 12" - 30", All Depths	L.F.	200	\$6.00	\$1,200.00
12	02558	TV Inspection of Siphon 36" - 48", All Depths	L.F.	200	\$8.00	\$1,600.00
13	02553	Sewer Point Repair 30", All Depths	EACH	1	\$7,000.00	\$7,000.00
14	02553	Pipe Replacement Beyond Point Repair 30", All Depths	L.F.	10	\$165.00	\$1,650.00
15	02553	Sewer Point Repair 36", All Depths	EACH	1	\$9,000.00	\$9,000.00
16	02553	Pipe Replacement Beyond Point Repair 36", All Depths	L.F.	10	\$185.00	\$1,850.00
17	02553	Sewer Point Repair 42", All Depths	EACH	1	\$10,000.00	\$10,000.00
18	02553	Pipe Replacement Beyond PR 42", All Depths	L.F.	10	\$200.00	\$2,000.00
19	02553	Sewer Point Repair 48", All Depths	EACH	1	\$11,000.00	\$11,000.00
20	02553	Pipe Replacement Beyond Point Repair, 48", All Depths	L.F.	10	\$250.00	\$2,500.00
21	02553	Sewer Point Repair 54"-60", All Depths	EACH	1	\$12,000.00	\$12,000.00
22	02553	Pipe Replacement Beyond Point Repair 54"-60", All Depths	L.F.	10	\$255.00	\$2,550.00
23	02553	Sewer Point Repair 66"-72", All Depths	EACH	1	\$15,000.00	\$15,000.00
24	02553	Pipe Replacement Beyond Point Repair 66"-72", All Depths	L.F.	10	\$299.00	\$2,990.00
25	01578	Well Pointing/Dewatering System, All Sizes, All Depths, with 10' Min. Length Set Up	EACH	1	\$7,000.00	\$7,000.00
26	02821	Removal and Replacement of Wooden Or Chain Link Fence, All Heights. With All New Materials, Approved Lengths	L.F.	50	\$14.00	\$700.00
27	02221, 02775	Removal and Replacement of 4-1/2" Concrete Sidewalk Incl. Reinforcement	S.Y.	10	\$80.00	\$800.00
28	02221, 02754	Removal and Replacement of 6" Concrete Driveway Incl. Reinforcement	S.Y.	10	\$95.00	\$950.00
29	02221, 02751, 02951	Removal and Replacement of 8" Concrete Pavement Incl. Reinforcement	S.Y.	150	\$120.00	\$18,000.00
30	02221, 02741, 02951	Removal and Replacement of Up to 2" Hot-Mix Asphaltic Concrete (Type D), Including Tack Coat	S.Y.	500	\$50.00	\$25,000.00
31	02221, 02711	Removal and Replacement of Semi-Rigid Base (or Approved Alternative)	S.Y.	100	\$20.00	\$2,000.00
32	02221, 02771	Removal and Replacement of Concrete Curb and Gutter	L.F.	150	\$20.00	\$3,000.00

Item No.	Section No.	Item Description	Unit Measure	Unit Quantity	Unit Price	Total in Figures
33	02752	Saw Joint (Not with Jack Hammer) Of Concrete/Asphalt Pavement, All Depths, As Needed	L.F.	100	\$2.50	\$250.00
34	02321	Cement Stabilized Sand Backfill (1.64 Tons / C.Y.)	TON	50	\$35.00	\$1,750.00
35	01555	Flagmen For Traffic Control (Uniformed Peace Officer)	HOUR	500	\$45.00	\$22,500.00
36	01555	Certified Flagmen For Traffic Control (Not a Peace Officer)	HOUR	500	\$30.00	\$15,000.00
37	01555	Install Traffic Loop and Detector (Concrete and Asphalt Surface)	L.F.	50	\$10.00	\$500.00
38	02553	Obstruction Removal by Remote Method (Set-up for each Manhole Section), All Sizes, All Depths	EACH	5	\$500.00	\$2,500.00
39	02553	Abandonment of Point Repairs, All Sizes, All Depths	EACH	1	\$1,000.00	\$1,000.00
40	02556	Cured-In-Place Pipe 30" Sewer, Up to 20' Depth, 21.0mm thick	L.F.	300	\$175.00	\$52,500.00
41	02556	Cured-In-Place Pipe 36" Sewer, Up to 20' Depth, 24.0mm thick	L.F.	500	\$215.00	\$107,500.00
42	02556	Cured-In-Place Pipe 42" Sewer, Up to 20' Depth, 31.5mm thick	L.F.	800	\$300.00	\$240,000.00
43	02556	Cured-In-Place Pipe 48" Sewer, Up to 25' Depth, 40.5mm thick	L.F.	1,000	\$410.00	\$410,000.00
44	02556	Cured-In-Place Pipe 54" Sewer, Up to 25' Depth, 45.0mm thick	L.F.	1,000	\$450.00	\$450,000.00
45	02556	Cured-In-Place Pipe 60"-66" Sewer, Up to 20' Depth, 45.0mm thick	L.F.	1,000	\$540.00	\$540,000.00
46	02556	Cured-In-Place Pipe 69"-72" Sewer, Up to 25' Depth, 58.5mm thick	L.F.	300	\$675.00	\$202,500.00
47	02551	Spin Cast Pipe Lining 54" Sewer, Up to 25' Depth	L.F.	300	\$430.00	\$129,000.00
48	02551	Spin Cast Pipe Lining 60"-66" Sewer, Up to 25' Depth	L.F.	300	\$515.00	\$154,500.00
49	02551	Spin Cast Pipe Lining 69"-72" Sewer, Up to 25' Depth	L.F.	300	\$640.00	\$192,000.00
50	02556	Mobilization for short segment (<350')	EACH	2	\$3,000.00	\$6,000.00
51	02555	Adjust/Reset Manhole with New Frame and Cover Up to One Foot	EACH	1	\$500.00	\$500.00
52	02555	Adjust/Reset Manhole with Existing Frame and Cover Up to One Foot	EACH	1	\$250.00	\$250.00
53	02555	Adjust/Reset Manhole , Excess Over One Foot	V.F.	2	\$75.00	\$150.00
54	2555	Raise Existing Manhole (per Manhole Detail-1)	V.F.	10	\$200.00	\$2,000.00
55	02082	Remove and Replace or Install New Std. Manhole, 5' to 8' Depth, with All Joints & Connections (Pre-Cast Concrete)	EACH	1	\$3,500.00	\$3,500.00
56	02082, 02083	Extra Depth for New or Replacement Std. Manhole, Over 8 Feet Depth (Pre-Cast Concrete or Fiberglass)	V.F.	10	\$150.00	\$1,500.00
57	02083	Remove and Replace or Install New Std. Fiberglass Manhole, 5' to 8' Depth	EACH	1	\$3,300.00	\$3,300.00
58	02082	Additional Manhole Base in Wet (Unstable) Sand With Piles as Per Detail	EACH	1	\$2,200.00	\$2,200.00
59	02082	Remove and Replace or Install New 4-foot diameter Pre-Cast Concrete Manhole on MRC Sanitary Sewers, Up to 8' Depth (measured to the crown of MRC)	EACH	1	\$12,000.00	\$12,000.00
60	02082	Extra Depth for New or Replacement 4-foot diameter Pre-Cast Concrete Manhole on MRC Sanitary Sewers, Over 8 Feet Depth (Measured to the crown of MRC)	V.F.	10	\$400.00	\$4,000.00
61	02082	Remove and Replace or Install New 5-foot diameter Pre-Cast Concrete Manhole on MRC Sanitary Sewers, Up to 8' Depth (measured to the crown of MRC)	EACH	1	\$15,700.00	\$15,700.00

Item No.	Section No.	Item Description	Unit Measure	Unit Quantity	Unit Price	Total in Figures
62	02082	Extra Depth for New or Replacement 5-foot diameter Pre-Cast Concrete Manhole on MRC Sanitary Sewers, Over 8 Feet Depth (Measured to the crown of MRC)	V.F.	10	\$425.00	\$4,250.00
63	02082	Remove and Replace or Install New 5-foot diameter Manhole on Sanitary Sewer Junction Box, Up to 8' Depth (measured to the top slab of the Junction Box)	EACH	1	\$10,000.00	\$10,000.00
64	02082	Extra Depth for New or Replacement 5-foot diameter Manhole on MRC Sanitary Sewers or Junction Box, Over 8 Feet Depth	V.F.	10	\$500.00	\$5,000.00
65	02083	Remove and Replace or Install New 4-foot diameter Fiberglass Manhole on MRC Sanitary Sewers, All Depths	EACH	1	\$11,000.00	\$11,000.00
66	02083	Remove and Replace or Install New 4'-6" diameter Fiberglass Manhole on MRC Sanitary Sewers, All Depths	EACH	1	\$12,000.00	\$12,000.00
67	02555	Rehabilitation of Manhole by 1" Thick Concrete Liner Approved Mix Design (Including Bench Work)	V.F.	300	\$120.00	\$36,000.00
68	02555	Manhole Inserts	EACH	5	\$175.00	\$875.00
69	2555	Rehabilitation of Manhole Benches and Inverts per Manhole Detail-2 (only when constructed without wall lining)	EACH	20	\$375.00	\$7,500.00
70	02082	Rehabilitation of Junction Box by Demolition of Existing and reconstruction of New Concrete Walls and top slab, Including Steel Reinforcement and T-Lock Liner (measurement based on inside dimensions of the rehabilitated Junction Box)	S.F.	150	\$300.00	\$45,000.00
71	02534	Sanitary Sewer Cleanout per Standard 12-Inch Cleanout Detail on Service Lateral	EACH	6	\$700.00	\$4,200.00
72	02534	Sanitary Sewer Cleanout per Standard 6-Inch Cleanout Detail on Service Lateral (Residential)	EACH	6	\$500.00	\$3,000.00
73	02534	Sanitary Sewer Cleanout per Standard 4-Inch Cleanout Detail on Service Lateral (For Single Family Residence Only)	EACH	10	\$375.00	\$3,750.00
74	01506	6" X 6" Diversion Pumping Setup	SET-UP	1	\$1,500.00	\$1,500.00
75	01506	6" X 6" Pump Operation	HOUR	150	\$50.00	\$7,500.00
76	01506	6" X 6" Pump and Piping, (for every day in operation)	DAY	10	\$142.25	\$1,422.50
77	01506	8" X 8" Diversion Pumping Setup	SET-UP	5	\$2,000.00	\$10,000.00
78	01506	8" X 8" Pump Operation	HOUR	850	\$57.00	\$48,450.00
79	01506	8" X 8" Pump and Piping, (for every day in operation)	DAY	55	\$199.50	\$10,972.50
80	01506	10" X 10" Diversion Pumping Setup	SET-UP	1	\$2,500.00	\$2,500.00
81	01506	10" X 10" Pump Operation	HOUR	150	\$57.00	\$8,550.00
82	01506	10" X 10" Pump and Piping (for every day in operation)	DAY	10	\$351.00	\$3,510.00
83	01506	12" X 12" Diversion Pumping Setup	SET-UP	2	\$3,000.00	\$6,000.00
84	01506	12" X 12" Pump Operation	HOUR	650	\$66.00	\$42,900.00
85	01506	12" X 12" Pump and Piping (for every day in operation)	DAY	50	\$401.50	\$20,075.00
86	01506	14" X 14" Diversion Pumping Setup	SET-UP	1	\$3,500.00	\$3,500.00
87	01506	14" X 14" Pump Operation	HOUR	850	\$55.00	\$46,750.00
88	01506	14" X 14" Pump and Piping (for every day in operation)	DAY	65	\$572.50	\$37,212.50

Item No.	Section No.	Item Description	Unit Measure	Unit Quantity	Unit Price	Total in Figures
89	01506	16" X 16" Diversion Pumping Setup	SET-UP	1	\$3,500.00	\$3,500.00
90	01506	16" X 16" Pump Operation	HOUR	150	\$59.00	\$8,850.00
91	01506	16" X 16" Pump and Piping (for every day in operation)	DAY	10	\$664.25	\$6,642.50
92	02534	Reconnect Service Connection by Excavation Including Stack to Liner, Complete, All Sizes, Up to 10' Depth	EACH	3	\$400.00	\$1,200.00
93	02534	Reconnect Service Connection by Excavation Including Stack to Liner, Complete, All Sizes, Over 10' Depth	EACH	3	\$600.00	\$1,800.00
94	02534	Reconnect Service Connection by Remote, Complete, All Sizes, All Depths, as Approved	EACH	25	\$200.00	\$5,000.00
95	02260	Trench Safety System All Types of Soil, All Depths Over 5 Feet	L.F.	75	\$5.00	\$375.00
96	02221, 02960	Milling of Pavement, Up to 5" Depth	S.Y.	10	\$10.00	\$100.00
97	02741	Asphalt Overlay 2" HMAC, With Tack Coat	S.Y.	10	\$30.00	\$300.00
98	02222	Abandonment of Sanitary Sewers	L.F.	200	\$11.00	\$2,200.00
99	02318	Special Excavation By Hand When Approved By The Engineer	C.Y.	10	\$50.00	\$500.00
100	02775	Reinforced Colored Concrete Curb Ramps with Truncated Domes	S.F.	50	\$40.00	\$2,000.00
101	02915	Remove and Replace Tree	EACH	3	\$500.00	\$1,500.00

Item No.	Section No.	Item Description	Unit Measure	Unit Quantity	Unit Price	Total in Figures
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Base Unit Price Total (a): \$3,337,225.00

C. EXTRA UNIT PRICE TABLE:

Item No.	Section No.	Item Description	Unit Measure	Unit Quantity	Unit Price	Total in Figures
102	01555	Traffic Control Plan	EACH	2	\$5,500.00	\$11,000.00
103	01578	Extra Length Well Pointing / Dewatering System. All Depths in addition to Setup	L.F.	100	\$50.00	\$5,000.00
104	03315	Extra Concrete, 4,000 psi With or Without Reinforcement	C.Y.	10	\$190.00	\$1,900.00
105	02318	Extra Excavation By Machine	C.Y.	10	\$20.00	\$200.00
106	02318	Extra Excavation By Machine Removing Cement Stabilized Sand/Concrete Encased Services	C.Y.	30	\$135.00	\$4,050.00
107	02741	Extra Asphalt Beyond 2" Thickness	C.Y.	10	\$125.00	\$1,250.00
108	02222	Extra Grout for Abandonment of Sanitary Sewers Greater Than 8", Not to Exceed 60% of Line Segment Theoretical Volume	C.Y.	3	\$150.00	\$450.00

Extra Unit Price Total (b): \$23,850.00

Bidder's Adjustment Factor (f) = \_\_\_\_\_ (up to 4 decimal places)  
 (Uniform Factor For All Items in Base Unit Price Table and Extra Unit Price Table)

D. CASH ALLOWANCE TABLE:

Item No.	Section No.	Item Description	Unit Measure	Unit Quantity	Unit Price	Cash Allowance in Figures
109	01110	Approved Street Cut Permit	LS	1	\$20,000.00	\$20,000.00

Total Cash Allowance (g): \$ 20,000.00

E. ALTERNATES TABLE: [N/A]

F. TOTAL BID PRICE: \$3,361,075.00 X \_\_\_\_\_ + \$ 20,000.00 = \_\_\_\_\_  
 (a + b) (f) (g)

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

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

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

\*\*By: \_\_\_\_\_  
 Signature Date

Name: \_\_\_\_\_  
 (Print or type name) Title

Address: \_\_\_\_\_  
 (Mailing)

\_\_\_\_\_  
 (Street, if different)

Telephone and Fax Number: \_\_\_\_\_  
 (Print or type numbers)

\* If Bid is a joint venture, add additional Bid Form signature sheets for each member of the joint venture.  
 \*\* Bidder certifies that the only person or parties interested in this offer as principals are those named above. Bidder has not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding.

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

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