

**CITY OF HOUSTON
STANDARD DOCUMENT**

CHANGE ORDER

Document 00941
CHANGE ORDER No. 1

PROJECT: Windfern Road Improvements: Clay Road to Wingfoot Road

CONTRACT No.: 4600017382 PROJECT No.: N-321040-0056-4 (N-321040-0056)

TO: Main Lane Industries
14115 Luthe Road
Contractor and Houston, TX 77039
Address for Written Notice

1.01 DESCRIPTION OF CHANGES

CONTRACT CHANGE	
Amount	Time
\$483,403.00 ✓	0 Days

ITEM 1 SCOPE: Install double-layer reinforcement for proposed 14-inch concrete pavement on Windfern Road, and extend pavement replacement approx. 92 feet north of the original scope.

JUSTIFICATION: 1.The construction plans called for single-layered reinforcement for the proposed 14-inch concrete pavement on Windfern Road. Due to the heavy 18-wheeler traffic along the roadway, the engineer from City Technical Support Services and the EOR agreed to change the design to double-layer reinforcement for the proposed pavement to accommodate potential for uncontrolled tension cracks in the pavement.
2. The EOR has revised the rebar design to double layer for 14-inch concrete pavement. The project is extended to approximately 92 feet north of the original limit due to poor condition of the existing pavement for clean tie in.

Unit Item No	Unit Item Description	Unit	Add/Deduct Qty	Unit Price	Add/Deduct Amount
18	REMOVE AND DISPOSE OF REINFORCED CONCRETE PAVEMENT WITH OR WITHOUT ASPHALT OVERLAY	SY	430.00	\$7.00	\$3,010.00
19	REMOVE AND DISPOSE OF CONCRETE SIDEWALKS AND DRIVEWAYS (ALL THICKNESSES)	SY	95.00	\$6.00	\$570.00
21	ROADWAY EXCAVATION WITH OR WITHOUT SUBGRADE	CY	145.00	\$40.00	\$5,800.00
22	LIME STABILIZED SUBGRADE, 8-INCH	SY	470.00	\$5.00	\$2,350.00
23	LIME FOR LIME STABILIZED SUBGRADE	TON	12.00	\$170.00	\$2,040.00
24	TEMPORARY DETOUR PAVEMENT, INCLUDING SHOULDER AND GRADIN (PER TCP)	SY	50.00	\$65.00	\$3,250.00
25	14-INCH THICK REINFORCED CONCRETE PAVEMENT	SY	(14300.00)	\$95.00	\$(1,358,500.00)
26	14-INCH THICK REINFORCED CONCRETE PAVEMENT, HIGH EARLY STRENGTH	SY	(1610.00)	\$98.00	\$(157,780.00)

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27	STREET PAVEMENT EXPANSION JOINTS WITH LOAD TRANSFER	LF	42.00	\$14.00	\$588.00 ✓
30	7-INCH CONCRETE DRIVEWAY, INCLUDING EXCAVATION, COMPLETE IN PLACE	SF	475.00	\$15.00	\$7,125.00 ✓
33	6-INCH CONCRETE CURB	LF	184.00	\$5.00	\$920.00 ✓
87	14" Double Layer Reinforced Pavement	SY	14800.00	\$120.00	\$1,776,000.00 ✓
88	14" Double Layer reinforced High Early Strength Pavement	SY	1610.00	\$123.00	\$198,030.00 ✓

ITEM 2 SCOPE: Desilting of Existing Storm Sewer Pipe Sta 23+60 to Outfall 9+40 \$14,200.00 ✓ 0 Days

JUSTIFICATION: Main Lane contractor has provided a video showing significant silt build up in the existing storm sewer line 36" to 42" has been clogged by one foot from the manhole at STA 23+60 to the outfall 9+40. contractor submitted a RFI and TDO has agreed de-silting to clear up the storm line.
City requested RFP and contractor submitted \$10/Ft cost for de-silting.

Unit Item No	Unit Item Description	Unit	Add/Deduct Qty	Unit Price	Add/Deduct Amount
89	Desilting of Existing Storm Pipe	LF	1420.00	\$10.00	\$14,200.00 ✓

ITEM 3 SCOPE: Replace proposed B-B inlet with Type C inlet at approximately Sta 16+92 LT and connect it to main trunkline with new 4'x2' RCB in lieu of the proposed 24" RCP. Remove and replace manhole with 6'x6' junction box at trunkline. \$14,310.38 ✓ 0 Days

JUSTIFICATION: Plan Sheet 14, Sta 16+92 calls to remove and replace the existing 24-inch RCP from the trunkline to the BB Inlet. Field verification confirmed that there is actually an existing 36-inch RCP running from the trunkline to the HEB, with the existing BB inlet offset on the 36-inch lead. The existing 36 RCP flowline elevation cannot be lowered due to the depth of the existing trunk main at the median. To resolve the conflict of 36-inch RCP the EOR recommended (RFI 11, 11A) that the existing 36-inch RCP should be replaced with a 4ftx2ft RCB between the new Type C inlet and the existing storm sewer main at the median (Approx. 30 LF). The existing 36 - inch RCP shall be cut and tied-in to the back of the proposed Type C inlet. The existing manhole on the trunk main shall be removed and replaced with a 6ftx6ft junction box manhole to facilitate the new 4'x2' RCB connection. Contractor should install a Type C Inlet and 6ftx6ft Junction Box structure and connect the existing 36ft RCP to the back of the Inlet.

Unit Item No	Unit Item Description	Unit	Add/Deduct Qty	Unit Price	Add/Deduct Amount
60	24-INCH DIAMETER STORM SEWER BY OPEN CUT	LF	(30.00)	\$225.00	\$(6,750.00) ✓

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69	PROPOSED TYPE B-B INLET (PRECAST)	EA	(1.00)	\$5,000.00 ✓	\$(5,000.00)
90	Junction Box 6ftx6ft	EA	1.00	\$17,443.25 ✓	\$17,443.25
91	Type C inlet (connect 2x4 & 36-inch)	EA	1.00	\$8,617.13 ✓	\$8,617.13

ITEM 4 SCOPE: Remove and replace existing wingwall at Sta 9+00 due to structural integrity and safety concern. \$41,115.36 ✓ 0 Days

JUSTIFICATION: During excavation of the proposed storm sewer outfall replacement, it became apparent that the internal bridge wingwalls adjacent to the storm outfall has lack of structural support, and there were safety concerns with the condition and structural integrity of wingwall. One of the internal existing wingwall on southeast corner showed evidence of cracking due to previous movement, and there were large voids identified underneath and around the wingwalls. The southeast wingwall continued to shift during the storm sewer excavation and contractor has hold the wingwall with chain support to prevent further movement. Further investigation showed that existing wingwalls were constructed without a structural foundation and were essentially isolated structures floating on the bridge abutment cap and surrounding soil. Based on the condition and structural integrity of the existing wingwalls, it was agreed to replace the two existing wingwalls that posed an immediate safety concern to the travelling public as well as contractor's personnel working in the area.

Unit Item No	Unit Item Description	Unit	Add/Deduct Qty	Unit Price	Add/Deduct Amount
92	Wingwall	EA	2.00	\$20,557.68	\$41,115.36 ✓

TOTALS: \$553,028.74 ✓ 0 Days

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Print Date: 07/27/2023

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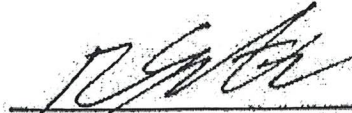
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1.02 ACCEPTANCE BY CONTRACTOR

Contractor agrees to perform change(s) included in this Change Order for the price and time indicated. The prices for changes include all costs associated with this Change Order.


Project Manager
Contractor Signature and Title

7/27/23
Date

1.03 ACCEPTANCE BY THE CITY

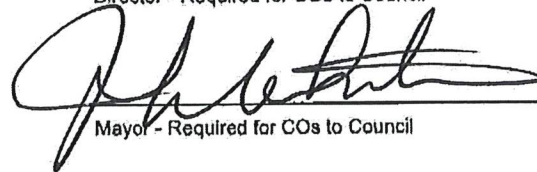
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Project Manager Date

DocuSigned by:
Michael U. Enti 8/2/2023
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Deputy Director - Required for COs to Council Date

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SG DocuSigned by:
Mohammad Sabzevari 7/31/2023
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Managing Engineer Date

DocuSigned by:
Carol Haddock 11/27/2023
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Director - Required for COs to Council Date

DocuSigned by:
Tanu Hiremath 8/2/2023
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City Engineer Date


Mayor - Required for COs to Council Date

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EXECUTIVE SUMMARY

1.01	CONTRACT PRICE SUMMARY	DOLLAR AMOUNT	PERCENT
A.	Original Contract Price	\$3,318,805.50	100.00%
B.	Previous Change Orders	\$0.00	0.00%
C.	This Change Order	\$553,028.74	16.66%
D.	Contract Price	\$3,871,834.24	116.66%

1.02	CONTRACT TIME SUMMARY	DURATION	COMPLETION DATE
A.	Original Contract Time	365 Days	Wednesday, January 10, 2024
B.	Previous Change Orders	0 Days	Wednesday, January 10, 2024
C.	This Change Order	0 Days	Wednesday, January 10, 2024
D.	Contract Time	365 Days	Wednesday, January 10, 2024


1.03 TOTAL VALUE OF INCREASES OUTSIDE OF GENERAL SCOPE OF WORK

- A. Including this Change Order, the following table is provided to track conditions related to Paragraph 7.1.2.3 of Document 00700 - General Conditions.

<u>CHANGE ORDER</u> <u>No.</u>	<u>AMOUNT ADDED</u>	<u>PERCENT OF ORIGINAL</u> <u>CONTRACT PRICE</u>
1	\$553,028.74	16.66%
TOTALS	\$553,028.74 ✓	16.66%

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Print Date: 07/27/2023


 Contractor Initial