



# City of Galveston

## CAPITAL PROJECTS STAFF REPORT

**Date** October 28, 2021

**To:** City Manager  
Mayor and City Council Members

**From:** Trino Pedraza, Director of Municipal Utilities and Construction

**Project Location:** 73<sup>rd</sup> Street

**Project:** 73<sup>rd</sup> Street Reconstruction from  
Heards Lane to Ave N ½

### **Request:**

Consider approval of Change Order #2 to the contract with Main Lane Industries, Ltd. for the 73<sup>rd</sup> Street Reconstruction from Heards Lane to Ave N 1/2 project increasing the contract by \$49,845.80 from the amount of \$2,125,792.20 to the final contract amount of \$2,175,638.00. Authorizing the City Manager to execute all necessary documents upon final approval by the City Attorney.

### **Prior Council Action**

- A. Council awarded Main Lane Industries, Ltd. the contract for the construction of the 73<sup>rd</sup> Street from Heards Lane to Ave N ½ on February 27, 2020 in the amount of \$2,043,134.00.
- B. Council approved Change Order #1 to the contract with Main Lane Industries, Ltd. on October 22, 2020 for an increase of \$82,658.20.

### **Current Situation**

- A. The majority of this change order request reflects a decrease of unused bid items and an increase to existing line items where quantities installed exceeded original plan quantities.
- B. The most critical item is the requirement of a 1" thick level up prior to installing the geomembrane layer placed before the final asphalt product. This item was an unknown requirement prior to beginning construction.
- C. All items identified for this change order have been reviewed and recommended by a combination of City Staff and the Engineer of Record.
- D. The project is complete and this reconciliation change order is part of the close out process to move forward with the execution of the Certificate of Construction Completion.





# City of Galveston

## CAPITAL PROJECTS STAFF REPORT

- E. The funds for this change order will be re-allocated from the 25<sup>th</sup> Street Improvements project deductive reconciliation change order.

### Fiscal Impact Report

<b>Funding Source</b>	<b>Amount</b>
2017 GO Bonds (Original Amount)	\$1,292,884.00
2019 Water CO (Original Amount)	\$346,500.00
2019 Sewer CO (Original Amount)	\$403,750.00
2019 Sewer CO (Change Order #1)	\$82,658.20
2017 GO Bonds (Change Order #2)	\$73,435.36
2019 Water CO (Change Order #2)	(\$21,104.28)
2019 Sewer CO (Change Order #2)	(\$2,485.28)
<b>TOTAL</b>	<b>\$ 2,175,638.00</b>

### Alternatives

- A. Approve change order #2 to the contract with Main Lane Industries, Ltd. for a total increase of \$49,845.80 for reduction in unused bid items and additional scope of work needed during construction operations of the 73<sup>rd</sup> Street Reconstruction from Heards Lane to Ave N ½ project.
- B. Do not approve the change order.

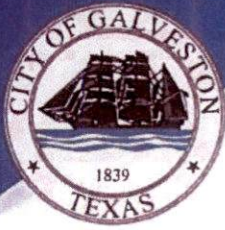
### Staff Recommendation

Approve change order #2 to the contract with Main Lane Industries, Ltd. for the 73<sup>rd</sup> Street Reconstruction from Heards Lane to Ave N ½ for an increase of \$49,845.80 to a new total contract amount of \$2,175,638.00

### Attachments

Change Order #2 Form  
EOR Recommendation





# City of Galveston

## 73<sup>rd</sup> Street Reconstruction – Heards Lane to Avenue N ½

### Contract Change Order Number 2

<b>Engineer:</b> LJA Engineering, Inc. 11821 East Freeway, Suite 360 Houston, TX 77029 Phone No.: 713-450-1300	<b>Owner:</b> City of Galveston 823 Rosenberg Galveston, TX 77550 Phone No.: 409-797-3966	<b>Contractor:</b> Main Lane Industries 14115 Luthe Road, Suite 100 Houston, TX 77039 Phone No.: 713-896-3141 NTP Date: 05/26/2020
<u>Change in Contract Price:</u>		<u>Change in Contract Time (Calendar Days):</u>
Original Contract Price: \$ 2,043,134.00	Original Contract Time: 270 days	
Previous Change Order(s): No. 1 to No. 1 \$ 82,658.20	Net Change From Previous Change Orders: 0 days	
Contract Price Prior to this Change Order: \$ 2,125,792.20	Contract Time Prior to this Change Order: 270 days	
Net Increase/Decrease of this Change Order: \$ 49,845.80	Net Increase/Decrease of this Change Order: 65 days	
Contract Price With all Approved Change Orders: \$ 2,175,638.00	Contract Time With all Change Orders: 335 days	
Cumulative Percent Change in Contract Price (+/-): 6.49%	Construction Contract End Date: 04/26/2021	

ENGINEER  
RECOMMENDED:

By:   
LJA ENGINEERING, INC.

OWNER  
APPROVED:

By: \_\_\_\_\_  
CITY OF GALVESTON

CONTRACTOR  
ACCEPTED:

By:   
MAIN LANE INDUSTRIES

Date: 10-15-21

Date: \_\_\_\_\_

Date: 10-15-21

**NOTE:** A cumulative change in the contract price in excess of 25% cannot be reviewed.



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**LETTER OF ENGINEER'S RECOMMENDATION NO. 2**

To

**73<sup>rd</sup> Street Reconstruction – Heards Lane to Avenue N 1/2  
(PO# P2008500)**

City of Galveston  
823 Rosenberg Street  
Galveston, Texas 77550

DATE: October 13, 2021  
ENGINEER: LJA Engineering, Inc.  
CONTRACTOR: Main Line Industries, Ltd.  
CONTRACT DATED: February 27, 2020  
ORIGINAL CONTRACT AMOUNT: \$2,043,134.00  
LJA PROJECT NO. B322-1013

In accordance with Article 10 of the General Conditions of the Agreement, the Contractor has offered a change in the Contract for the following reasons:

**DESCRIPTION**

**This change order is prepared to balance project:**

- **Line Item #2: Excavation of Existing Concrete, to Finished Grade, Including Base Material, Complete in Place. Add Qty: 3 SY @ \$50.00 = \$150.00**
- **Line Item #3: Excavation of Approximately 5-Inch to 8.5-Inch Base, Complete in Place. Add Qty: 276 SY @ \$50.00 = \$13,800.00**
- **Line Item #6: 1.5-Inch Thick HMHL Surface Coarse, Type "D" per TXDOT Item 340, Complete in Place. Add Qty: 125 SY @ \$20.00 = \$2,500.00**
- **Line Item #7: Concrete Slope Paving with Toe Walls and all Appurtenances, Complete in Place. Deduct Qty: 20 SY @ \$150.00 = (\$3,000.00)**
- **Line Item #8: 5" to 8" Reinforced concrete Pavement, Match Existing Road Section (Minimum 5.5 Sacks per Cubic Yard), Complete in Place. Deduct Qty: 12 SY @ \$100.00 = (\$1,200.00)**
- **Line Item #9: 6-Inch Concrete Curb, Complete in Place. Add Qty: 150 LF @ \$100.00 = \$4,500.00**
- **Line Item #10: 4.5" Thick Concrete Sidewalk & Base per Detail, Complete in Place. Deduct Qty: 26 SY @ \$100.00 = (\$2,600.00)**
- **Line Item #13: Trench Safety System, As Directed by Owner's Representative, Complete in Place. Add Qty: 1,689 @ \$10.00 = \$16,890.00**
- **Line Item #15: Well Point Dewatering System, Installed, Operated, and Removed, Complete in Place. Add Qty: 1,216 @ \$40.00 = \$48,640.00**
- **Line Item #16: Turf Establishment, Full Sodding, Complete in Place. Add Qty: 100 SY @ \$5.00 = \$500.00**
- **Line Item #18: Remove and Replace Existing Mailbox, Complete in Place. Deduct Qty: 3 EA @ \$250.00 = (\$750.00)**



- **Line Item 22: 18" Reinforced Concrete Pipe, ASTM C-76, Class III, Complete in Place. Deduct Qty: 4 LF @ \$220.00 = (\$880.00)**
- **Line Item 23: 24" Reinforced Concrete Pipe, ASTM C-76, Class III, Complete in Place. Deduct Qty: 2 LF @ \$220.00 = (\$440.00)**
- **Line Item 25: 4' x 3' Reinforced Concrete Box Culvert, ASTM C-1433, Complete in Place. Deduct Qty: 2 LF @ \$450.00 = (\$900.00)**
- **Line Item 26: 6' x 3' Reinforced Concrete Box Culvert, ASTM C-1433, Complete in Place. Deduct Qty: 4 LF @ \$470.00 = (\$1,880.00)**
- **Line Item 32: 8" Waterline, Augered Construction (PVC, AWWA C-900, DR-18) All Depths, Complete in Place. Deduct Qty: 525 LF @ \$110.00 = (\$57,750.00)**
- **Line Item 33: 8" Waterline, (PVC, AWWA C-900, DR-18) with Ductile Iron Fittings, Open Cut, Joint Restraints (as necessary), Including Sections Ductile Iron (AWWA C-151, Class 350) (as necessary) and Offsets as Shown on Plans, All Depths, Complete in Place. Add Qty: 465 LF @ \$110.00 = \$51,150.00**
- **Line Item 34: 12" Waterline, Augered Construction (PVC, AWWA C-900, DR-18) All Depths, Complete in Place. Deduct Qty: 860 LF @ \$130.00 = (\$111,800.00)**
- **Line Item 35: 12" Waterline, (PVC, AWWA C-900, DR-18) with Ductile Iron Fittings, Open Cut, Joint Restraints (as necessary), Including Sections Ductile Iron (AWWA C-151, Class 350) (as necessary) and Offsets as Shown on Plans, All Depths, Complete in Place. Add Qty: 758 LF @ \$130.00 = \$98,540.00**
- **Line Item 37: Construct New Polyethylene Tubing Service Connection (2"), Including Tap, Pipe, Valves, and Connection to New Meter, Complete in Place. Deduct Qty: 2 EA @ \$2,300.00 = (\$4,600.00)**
- **Line Item 38: 12" Gate Valve (AWWA) with Adjustable Box, Joint Restraint (as necessary), Accessories, Concrete Collar, Complete in Place. Deduct Qty: 1 EA @ \$2,500.00 = (\$2,500.00)**
- **Line Item 39: 8" Gate Valve (AWWA) with Adjustable Box, Joint Restraint (as necessary), Accessories, Concrete Collar, As Directed by Owner's Representative Complete in Place. Deduct Qty: 1 EA @ \$1,500.00 = (\$1,500.00)**
- **Line Item 43: 8" Insertion Valve (AWWA) with Adjustable Box, Joint Restraint (as necessary), Accessories, Concrete Collar, As Directed by Owner's Representative, Complete in Place. Deduct Qty: 1 EA @ \$9,000.00 = (\$9,000.00)**
- **Line Item 44: 6" Insertion Valve (AWWA) with Adjustable Box, Joint Restraint (as necessary), Accessories, Concrete Collar, As Directed by Owner's Representative, Complete in Place. Deduct Qty: 1 EA @ \$8,000.00 = (\$8,000.00)**
- **Line Item 45: Close Existing Valve, Remove Box, Plug Valve Operator (Open Cut & Backfill), Complete in Place. Add Qty: 1 EA @ \$500.00 = \$500.00**
- **Line Item 48: Extra Depth Bury for Fire Hydrant, Complete in Place. Deduct Qty: 1 VF @ \$200.00 = (\$200.00)**
- **Line Item 50: 12-Inch Sanitary Sewer, Open Cut Construction, Solid Wall PVC, SDR 26, All Depths, Complete in Place. Add Qty: 25 LF @ \$150.00 = \$3,750.00**
- **Line Item 51: 16" Sanitary Sewer, Open Cut Construction, Solid Wall PVC, SDR 26, All Depths, Complete in Place. Deduct Qty: 18 LF @ \$200.00 = (\$3,600.00)**
- **Line Item 53: Extra Depth Manhole (Over 8-Foot), As Directed by Owner's Representative, Complete in Place. Add Qty: 6 VF @ \$250.00 = \$1,475.00**
- **Line Item 55: Sanitary Sewer Connection (4"), Complete in Place. Deduct Qty: 2 EA @ \$1,500.00 = (\$3,000.00)**
- **Line Item 66: Clean Existing Storm Sewer Pipe, 36" or Less, Complete in Place. Deduct Qty: 375 LF @ \$12.00 = (\$4,500.00)**

- **Line Item 67: Remove and Relocate Existing Concrete Barricade for Access During Construction, As Directed by Owner's Representative, Complete in Place. Deduct Qty: 1 LS @ \$1,000.00 = (\$1,000.00)**
- **Line Item 68: Lime for 6" Stabilized Sub-Grade (7% by Dry Weight), Complete in Place. Deduct Qty: 15 TON @ \$200.00 = (\$3,000.00)**
- **Line Item 69: Flyash for 6" Stabilized Sub-Grade (7% by Dry Weight), Complete in Place. Deduct Qty: 15 TON @ \$140.00 = (\$2,100.00)**
- **Line Item 70: 6" Stabilized Sub-Grade (Manipulation), Complete as Place. Deduct Qty: 1,140 SY @ \$10.00 = (\$11,400.00)**
- **Line Item 71: "Extra" Bedding and Backfill for Wet Sand Construction and Unsatisfactory Soil Conditions, in Accordance with the Details on Plans, As Directed by Owner's Representative, Complete in Place. Deduct Qty: 1,860 LF @ \$6.00 = (\$11,160.00)**
- **Line Item 72: "Extra" Cement Stabilized Sand, As Directed by Owner's Representative, Complete in Place. Deduct Qty: 179.62 TON @ \$22.00 = (\$3,951.64)**
- **Line Item 73: "Extra" Class "A" Concrete, As Directed by Owner's Representative, Complete in Place. Deduct Qty: 100 CY @ 115.00 = (\$11,500.00)**
- **Line Item 74: Select Fill, Compacted per ASTM D698, As Directed by Owner's Representative, Complete in Place. Deduct Qty: 300 CY @ \$20.00 = (\$6,000.00)**
- **Line Item 75: Stabilized Construction Exit, As Directed by Owner's Representative, Complete in Place. Deduct Qty: 1 LS @ \$1,750.00 = (\$1,750.00)**
- **Line Item 76: 7" Reinforced Concrete Pavement (Minimum 5.5 Sacks per Cubic Yard), Complete in Place. Deduct Qty: 450 SY @ \$100.00 = (\$45,000.00)**
- **Line Item 77: Sanitary Sewer Connection (6"), Complete in Place. Deduct Qty: 1 EA @ \$2,000.00 = (\$2,000.00)**
- **Line Item 78: Construct New Polyethylene Tubing Service Connection (6"), Including Tap, Pipe, Valves, and Connection to New Meter, Complete in Place. Deduct Qty: 1 EA @ \$2,000.00 = (\$2,000.00)**
- **Line Item 79: 10" SDR 26 PVC Sanitary Sewer. Deduct Qty: 91 LF @ \$203.68 = (\$18,534.88)**
- **Line Item 80: Remove and Replace 8" Sanitary Sewer, Open Cut Construction, Solid Wall PVC, SDR 26, All Depths, Complete in Place. Add Qty: 12 LF @ \$202.05 = \$2,424.60**
- **New Contract Item 1: 5' Sanitary Sewer Manhole 0-8'. Add Qty: 1 @ \$15,000.00 = \$15,000.00**
- **New Contract Item 2: Offset 6" Waterline. Add Qty: 1 @ \$7,900.68 = \$7,900.68**
- **New Contract Item 3: 6" Waterline open Cut. Add Qty: 100 @ \$70.20 = \$7,020.00**
- **New Contract Item 4: Geomembrane Level Up. Add Qty: 5,685 @ \$18.20 = \$103,467.00**
- **New Contract Item 5: Existing AC Waterline Repair. Add Qty: 1 @ \$9,135.04 = \$9,135.04**

Based on final negotiations agreed between the City and the Contractor, LJA Engineering recommends that the Owner accept this change order for an increase in the contract amount of \$49,845.80 and add 65 C.D. to the contract time as summarized below.

**CONTRACT SUMMARY**

**COST**

Original Contract Amount..... \$ 2,043,134.00  
Change Order No. 1 – Add ..... \$ 82,658.20  
Change Order No. 2 – Add ..... \$ 49,845.80  
Amended Contract Amount..... \$ 2,175,638.00

**TIME OF COMPLETION**

Original Contract Time .....270 C.D.  
Original Contract Completion Date .....02/20/2021  
Change Order No. 1 – No Change .....0 C.D.  
Change Order No. 2 – Add .....65 C.D.  
Amended Contract Time .....335 C.D.  
Amended Contract Completion Date .....04/26/2021

In consideration for the above change, it is mutually agreed that the contract price is changed at \$2,175,638.00 and that the time of completion for all work is changed for a completion time of 335 calendar days. Finally, it is understood and agreed that this Change Order is a full and complete equitable adjustment and constitutes compensation in full on behalf of the Contractor for all costs and markups directly or indirectly attributable to the changes ordered herein for all delays and impacts related thereto and for performance of the changes within the time stated.

**RECOMMENDED FOR APPROVAL:**

LJA Engineering, Inc.

By:  \_\_\_\_\_

Date: 10-15-21 \_\_\_\_\_