



City of Galveston

CAPITAL PROJECTS STAFF REPORT

April 20, 2020

To: Brian Maxwell, City Manager
Hon. Mayor and City Council Members

From: J. Dudley Anderson, Building Program Manager

RE: Consider approval of Change Order #1 to the agreement with E. P. Brady, Ltd., for the 24 inch Water Transmission Line from 59th Street Pump Station to the Airport Pump Station (RFP #19-24) increasing the project cost by \$33,390.63. This represents an increase in the total project cost of 0.2% from the original amount of \$17,159,876.30 to the amount of \$17,193,266.93. Authorizing the City Manager to execute all necessary documents upon final approval by the City Attorney.

I. Background

- A. The design and construction of this project was included in the City of Galveston Capital Improvement Plan.
- B. City Council approved a contract with E. P. Brady, Ltd., for the 24 inch Water Transmission Line from 59th Street Pump Station to the Airport Pump Station (RFP #19-24) in an amount not to exceed \$18,000,000.00 for the base bid plus alternate A, B, D, F, G, H, I, J, K, and L at the December 2019 Council meeting.
- C. The City executed an agreement with E.P. Brady January 22, 2020 after negotiating a best and final offer for \$17,159,876.30.

II. Current Situation

- A. Construction on this necessary water delivery system began March 2020.
- B. The Contractor and City Staff have continued to consider means and method that would allow the least disruption to major thoroughfares along the route of this project and deliver a quality project.
- C. 12 items have been either removed from the contract scope or added. These are more fully described in the attached recommendation from the Engineer of Record attached. The most critical items are the addition of another type connection to the main line at the intersection of Broadway and 55th Street and trenchless installation of the 24" line at critical intersection along Heards Lane to avoid traffic disruption and delay.

III. Impact or ramifications:

The project is part of the City's continued efforts to expand services to the citizens.





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IV. Alternatives in order of priority

- A. Approve Change Order #1 to the agreement with E. P. Brady, Ltd., for the 24 inch Water Transmission Line from 59th Street Pump Station to the Airport Pump Station (RFP #19-24) increasing the project cost by \$33,390.63. This represents an increase in the total project cost of 0.2% from the original amount of \$17,159,876.30 to the amount of \$17,193,266.93. Authorizing the City Manager to execute all necessary documents upon final approval by the City Attorney.
- B. Do not approve the request.

V. Recommendation

Approve Change Order #1 to the agreement with E. P. Brady, Ltd., for the 24 inch Water Transmission Line from 59th Street Pump Station to the Airport Pump Station (RFP #19-24) increasing the project cost by \$33,390.63. This represents an increase in the total project cost of 0.2% from the original amount of \$17,159,876.30 to the amount of \$17,193,266.93. Authorizing the City Manager to execute all necessary documents upon final approval by the City Attorney.

VI. Fiscal Impact Report

Requested by:	J. Dudley Anderson Building Program Manager
Funding Source:	Water and Sewer CO's GO Bond Street contingency fund (\$68,500.00)
Construction Cost	\$ 17,193,266.93 (an increase of \$33,390.63)
Contingency	\$ 731,732.07 (a decrease of \$33,390.63)
Construction Administration	\$ 125,500.00
Material Testing (estimated)	\$ 225,000.00
Total Cost of Implementation	\$ 18,275,500.00

Respectfully Submitted,

J. Dudley Anderson
Building Program Manager





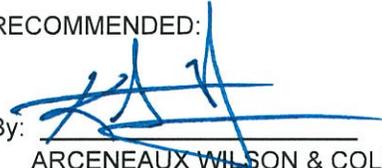
City of Galveston

24-Inch Water Line From 59th Street Pump Station To Airport Pump Station

Construction Contract Change Order Number 1

Consultant: Arceneaux Wilson & Cole LLC 2901 Turtle Creek Drive, Suite 320 Port Arthur, Texas 77642 Phone No.: 409.724.7888		Owner: City of Galveston 823 Rosenberg Galveston, Texas 77550 Phone No.: 409.797.3630		Contractor: E.P. Brady, LTD 3414 Persimmon Houston, Texas 77093 Phone No.: 713.691.0923 NTP Date: 03/30/2020	
<u>Change in Contract Price</u>			<u>Change in Contract Time (Calendar Days)</u>		
Original Contract Price: \$17,159,876.30		Original Contract Time: 365 days			
Previous Change Order(s): No. to No. \$ 0.00		Net Change From Previous Change Orders: 0 days			
Contract Price Prior to this Change Order: \$17,159,876.30		Contract Time Prior to this Change Order: 365 days			
Net Increase/Decrease of this Change Order: \$ 33,390.63		Net Increase/Decrease of this Change Order: 0 days			
Contract Price With all Approved Change Orders: \$17,193,266.93		Contract Time With all Change Orders: 365 days			
Cumulative Percent Change in Contract Price (+/-): + 0.2%		Construction Contract End Date: (mm/dd/yy) 03/30/2021			

RECOMMENDED:

By: 
 ARCENEAUX WILSON & COLE

APPROVED:

By: _____
 CITY OF GALVESTON

ACCEPTED:

By: 
 E.P. BRADY, LTD.

Date: 04/16/2020

Date: _____

Date: 4/20/20

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





April 16, 2020

Mr. Dudley Anderson
City of Galveston
823 Rosenberg
Room 205
Galveston, Texas 77550

*RE: CHANGE ORDER NO. 1
24-Inch Water Line From 59th Street Pump Station To Airport Pump Station
AWC Job No. COG-130*

Dear Mr. Anderson:

Arceneaux Wilson & Cole, LLC has reviewed the Change Order No. 1 for the 24-Inch Water Line From 59th Street Pump Station To Airport Pump Station project and recommends approval of the construction contract changes.

Regarding this Change Order No. 1 time and cost, the overall result for this change order is to increase the contract amount by \$33,390.63. These costs include the following changes in quantities:

- Bid Item 8, Remove 1 EA, Pre-Cast Fiber Optic Pull Box @ \$5,300/EA (- \$5,300)
- Bid Item 25, Remove 1 EA, 10" MJ Gate Valve @ \$2,700/EA (- \$2,700)
- Bid Item 30, Remove 1 EA, 4" Air Release Valve @ \$11,000/EA (- \$11,000)
- Bid Item 34, Remove 1 EA, 20" MJ Tee @ \$4,200/EA (- \$4,200)
- Bid Item 65, Remove 4,133 S.Y., Remove & Replace Existing Pavement w/ 2" HMAC @ \$13.90/S.Y. (- \$57,448.70)
- Bid Item 67, Remove 3,195 L.F., Remove & Replace Existing Curb @ \$14.20/LF (- \$45,369)
- New Bid Item 114, Add 7 EA, Hydrant Assembly @ \$6,300/EA (\$44,100)
- New Bid Item 115, Add 1 EA, 20"x10" TS&V @ \$10,783.33/EA (\$10,783.33)
- New Bid Item 116, Add 2 EA, Additional Bore Set Up @ \$30,000/EA (\$60,000)
- New Bid Item 117, Add 1 L.S., Additional Traffic Control Plan Initial Set Up @ \$4,550/L.S. (\$4,550)



- New Bid Item 118, Add 5 Months, Additional Traffic Control Plan Maintenance @ \$5,980/Month (\$29,900)
- New Bid Item 119, Add 5 Months, Message Board @ \$2,015/Month (\$10,075)

The above listed items are utilized by six (6) total revisions to the Contract. These revisions are described as follows:

- *Moody Gardens Bore* – The proposed 24" water line alignment is routed parallel to Jones Drive from the Airport Pump Station to Skymaster Road. At no additional cost to the City, the Contractor has offered to construct this segment of water line via trenchless installation in order to not disrupt the Moody Gardens entrance or any of the Moody Gardens existing landscaping and utilities. In doing this, a proposed fiber optic pull box and 4" air release valve will be deleted from the project.
- *53rd Street* – Alternate "E" of the awarded contract calls for a mill and replacement of existing 2" HMAC surface from Broadway Avenue to post Office Street, along with removal and replacement of existing concrete curb. The section of 53rd Street from Broadway Avenue to Winnie Street has recently been resurfaced by the City's internal road resurfacing program. Also, the existing concrete curb is in good condition. This is reflected in reduction of contract quantities.
- *55th Street Fire Hydrants* – The project scope does not call for the replacement of any existing fire hydrants along 55th Street, where an existing 10" water line is being replaced and relocated. During a field investigation, the City has found some of these existing fire hydrants need to be replaced due to being dated and in poor condition.
- *Broadway 10" Water Line Connection* – The construction plans call for the new relocated 10" water line on 55th Street to tie-in to an existing 20" water line located in Broadway Avenue. This connection was set up to be performed with the existing 20" water line taken out of service during construction of the connection. In order to elude any issues with shutting down the existing 20" water line and affecting customers, the City has requested the Contractor utilize



a tapping sleeve and valve to make this connection and leave the 20" water line in service. In doing this, a proposed 20" tee and 10" gate valve will be deleted from the project.

- *Heards Lane Intersection Bores* – The City has deemed the intersections at 69th Street and 73rd Street to be critical intersections that can not be closed for lengthened periods of time during construction of the 24" water line along Heards Lane. It was originally planned for these intersections to be closed due to the 24" water line being installed in open trench. The Contractor has been requested to perform these intersection construction activities via trenchless installation to allow the intersections to remain open to traffic flow.
- *Heards Lane Additional Traffic Control* – It was originally planned to allow the Contractor to completely close full sections of Heards Lane to traffic during the construction of the 24" water line. At the request of the City, the Engineer has issued a revised traffic control plan for the entirety of Heards Lane during 24" water line construction. The revised traffic control plan is a more detailed five (5) phase plan that requires the Contractor to provide additional traffic control measures. This new traffic control plan limits the length of Heards Lane to be affected during the specific construction phases and also maintains thru traffic in lieu of complete closures.

I have attached Change Order No. 1 which modifies the contract to reflect these changes for your consideration and action. Should you have any questions or require additional information, please contact our office.

Very truly yours,

Arceneaux Wilson & Cole LLC

TEXAS REGISTERED ENGINEERING FIRM F-16194

A handwritten signature in blue ink, appearing to read "Keith Zotzky", is written over a horizontal line.

Keith Zotzky, P.E., CFM
Staff Engineer