



City of Galveston

CAPITAL PROJECTS STAFF REPORT

June 15, 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 #02 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 \$99,808.39. This represents an increase in the total project cost of 0.78% from the original amount of \$17,159,876.30 to the amount of \$17,293,075.22. 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.
- D. The City executed Change Order #01 with EP Brady April 30, 2020 for a 0.2% increase in the total construction contract from the original amount of \$17,159,876.30 to the amount of \$17,193,266.93. This change order did not increase the project budget.

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. 4 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. The most critical items are revisions to the depth of the water line crossing Broadway at 55th and addition of a gate valve at that location.

III. Impact or ramifications:





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

IV. Alternatives in order of priority

- A. Approve Change Order #02 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 \$99,808.39. 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 #02 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 \$99,808.39. 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	\$ 17,293,075.22 (an increase of \$99,808.39)
Contingency	\$ 631,923.68 (a decrease of \$99,808.39)
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





May 27, 2020

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

*RE: CHANGE ORDER NO. 2
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. 2 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. 2 time and cost, the overall result for this change order is to increase the contract amount by \$99,808.39. These costs include the following changes in quantities:

- Bid Item 18, Add 2 EA, 24" MJ 45 Degree Bend @ \$2,900/EA (\$5,800)
- Bid Item 19, Remove 2 EA, 24" MJ 22.5 Degree Bend @ \$2,750/EA (- \$5,500)
- New Bid Item 120, Add 1 L.S., 20" Water Line in Casing and Tie-In to 24" Water Line @ \$69,770.29/L.S. (\$69,770.29)
- New Bid Item 121, Add 1 L.S., 20" MJ Tee with 20" Gate Valve @ \$29,738.10/L.S. (\$29,738.10)

The above listed items are utilized by two (2) total revisions to the Contract. These revisions are described as follows:

- *Post Office Street Utility Conflict* – It was discovered during construction the existing 24" water line along Post Office Street is located at a deeper depth than originally planned. Additionally, the existing 30" water line is in direct conflict with the proposed 24" water line. There is also an existing unclaimed 12" gas line that was not located for design or the Contractor during construction in conflict with



the proposed 24" water line tie-in. In order to navigate the proposed 24" water line around the existing utility conflicts to reach the proposed tie-in location, it is necessary to utilize additional 45 degree bend fittings. As part of this change, two 24" MJ 22.5 Degree Bends will be removed from the project.

- *Broadway 24" Water Line Connection* – The construction plans call for the new 24" water line on to tie-in to an existing 20" water line located in Broadway Avenue. The existing 20" water line is located at a deeper depth than originally planned. Additionally, there is an existing uncased 2" cable, that was not located for design nor the Contractor during construction, that was discovered located above the existing 20" water line. These existing utility conflicts require the proposed tie-in to be constructed via alternate methods than what was originally designed. Of the available alternate options, the City decided it was both cost and maintenance beneficial to utilize a short section of new cased 20" water line under Broadway to complete the construction of the proposed tie-in.

I have attached Change Order No. 2 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



City of Galveston

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

Construction Contract Change Order Number 2

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
Change in Contract Price		Change in Contract Time (Calendar Days)
Original Contract Price: \$17,159,876.30		Original Contract Time: 365 days
Previous Change Order(s): No. to No. 1 \$33,390.63		Net Change From Previous Change Orders: 0 days
Contract Price Prior to this Change Order: \$17,193,266.93		Contract Time Prior to this Change Order: 365 days
Net Increase/Decrease of this Change Order: \$99,808.39		Net Increase/Decrease of this Change Order: 0 days
Contract Price With all Approved Change Orders: \$17,293,075.32		Contract Time With all Change Orders: 365 days
Cumulative Percent Change in Contract Price (+/-): + 0.78%		Construction Contract End Date: (mm/dd/yy) 04/29/2021

RECOMMENDED:

APPROVED:

ACCEPTED:

By: 

ARCENEAUX WILSON & COLE

By: _____

CITY OF GALVESTON

By: 

E.P. BRADY, LTD.

Date: 06/11/2020

Date: _____

Date: 6/11/2020

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

