



City of League City, TX

300 West Walker
League City TX 77573

Text File

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Title

Consider and take action on a resolution authorizing Change Order No. 3 with Texas Sterling Construction Co. for the Calder Road Improvements Project (ST1002) in an amount of \$468,911.55 for a total increased contract amount of \$8,248,042.49 (Director of Budget & Project Management)

..Background:

Approval of this resolution will authorize Change Order No. 3 in the increased amount of \$468,911.55 for the construction of the Calder Road Improvements Project.

On September 13, 2016, City Council awarded the construction contract for the Calder Road Improvements Project to Texas Sterling Construction Co. in the amount of \$7,528,129.70, and authorized a work change directive budget of \$752,812.97. The work change directive budget is to be used for minor work changes and change orders that will adjust the contract price and contract time to reflect conditions that unexpectedly arise because of the actual construction development of the project.

On July 11, 2017, City Council approved Change Order No. 1 in the amount of \$129,240.24 for additional traffic control, bringing the contract amount to \$7,657,369.94. On August 22, 2017, City Council approved Change Order No. 2 in the amount of \$121,761 for waterline relocation, bringing the contract amount to \$7,779,130.94.

Change Order No. 3 represents an increase to the contract in the amount of \$468,911.55. The individual change order items are as follows:

1. WCD No. 3 - Add seven 4-inch PVC to 2-inch galvanized relief vents for GCWA Pipeline. The 39-inch GCWA Transmission pipeline has hydraulic relief vents installed at 6 locations that will be under future concrete pavement. These vents need to be adjusted/extended to the east ROW line, outside of the pavement, and raised above grade to drain into the roadside ditch (**increase amount of \$48,839 and no days**).
2. WCD No. 4 - a temporary fix for the subgrade at Sta. 59+33 for an increase in the contract amount of \$5,076.36. A subgrade saturation problem on the eastside of the roadway at Sta. 59+33, within the temporary asphalt detour lane and under future concrete pavement, has been discovered. It appears there is a host pipe separation in the 39-inch GCWA Transmission pipeline where a manhole was removed for the swage lining installation. The shrinking and swelling of the swage lining is causing this hydraulic anomaly by taking-in and dispelling ground water. The bull rock configuration will create a French drain effect and divert the water from under the pavement into the adjacent roadside ditch (Increase of \$5,076.36) This is only a temporary fix for the subgrade. A more sustaining treatment of this hydraulic anomaly at this location will be required before the concrete pavement is constructed. GCWA will need to provide a design for the permanent fix (**increase amount of \$5,076.36 and no days**).

3. WCD No. 5 - Relocate and extend the water distribution line for Weyer Street, along with the deletion of 62 LF of 24-inch water line relocation and 300 LF of 6-inch sanitary sewer force main. The relocation of the water distribution line for Weyer Street was not specifically designed for this project, nor included in the bid items or contract. The special connections and assemblies resulted in an increase of \$22,675. In order to fund this increase, certain contract items for water line and sanitary sewer force main relocations can be deleted from the project since they are not anticipated to be required (decrease of \$22,820). The total change to the contract will be a **decrease in the amount of \$145.**

4. CD No. 6 - Use fast track concrete paving at the intersections of Willow Lane, Weyer Street, Pampas Lane, Oleander Lane, road tie-in at North Drive and road tie-in at Holly Lane. Fast tracking paving will expedite the installation of the concrete pavement at the intersections and reduce the inconvenience to the affected residents by 1 week per intersection. Addition of 2,070 SY of fast track concrete paving along with the deletion of 1,774.1 SY of concrete pavement, 9"; 2,070.1 SY of lime stabilized subgrade; 40.5 tons of hydrated lime slurry; 97.7 tons of 6" asphalt detour paving and 296 tons of 2" asphalt detour paving (an increase in the amount of \$77,919.61). 500 SY of fast track concrete paving was included in the original bid, to be used as determined during construction. This is a decrease in the amount of \$45,000. The net change to the contract will be an **increase in the amount of \$32,919.61.**

5. The condition of Calder Road upon completion of the sanitary sewer installation project required more asphalt overlays and temporary pavement to be installed than what was included in the design and Traffic Control Plan. Additionally, the initial bid documents contained an error in the calculation of the asphalt quantities, which caused a significant underestimation of the quantity. The total change to the contract will be an **increase in the amount of \$382,221.58.**

With approval of Change Order No. 3, the contract amount will be adjusted as follows:

Original Contract Amount	\$ 7,528,129.70
Change Order No. 1 (includes WCD No.1 & No. 2)	\$ 129,240.24
Change Order No. 2	\$ 121,761.00
WCD No. 3	\$ 48,839.00
WCD No. 4	\$ 5,076.36
WCD No. 5	\$ (145.00)
WCD No. 6	\$ 32,919.61
<u>Change Order No. 3</u>	<u>\$ 382,221.58</u>
Adjusted Contract Amount	\$8,248,042.49

Staff recommends moving savings identified in CIP project WW1601 DSWWTP Effluent Discharge Improvements, in the amount of \$121,761, to cover the previously approved ST1002 Calder Rd Improvements project water line replacement in Change Order 2. WW1601 DSWWTP Effluent Discharge Improvements is nearing completion without utilizing any of the \$363,709 contingency for work change directives. With the \$121,761 increase in funding to ST1002 Calder Rd work change directive contingency, the balance is \$577,079.01. After approving this agenda item (Change Order 3), the remaining balance for future work change directives for ST1002 Calder Rd is \$108,167.46.

Attachments:

1. Data Sheet
2. Proposed Resolution
3. Change Order No. 3
4. Cost Overrun Letter

CONTRACT ORIGINATION: City Attorney has reviewed and approved.

FUNDING

(x) Funding from 2017 CO Water/WW fund 1345 in the amount of \$121,761 will be moved from WW1601 to ST1002. Funding in the amount of \$468,911.55 is available from 2017 CO Water/WW fund 1345 (\$121,761) with expenses charged to project expense string ST1002-CONSTRUCT-CONSTRUCT-2017CO W/WW and from 2016 CO fund 5235 (\$347,150.55) with expenses charged to project expense string ST1002-CONSTRUCT-CONSTRUCT-2016 CO.