



Item: Final Payment: Lift Stations #2, #20 and #24 Can Replacement and Miscellaneous Improvements, O.F. 1457.8

From: Engineering Division

Initiated By: Public Works Department

Presented By: Jim Rearden, Public Works Director

Action Requested: Approve Final Pay Request (Office File 1457.8)

Suggested Motion:

1. Commissioner moves:

“I move that the City Commission (approve/not approve) Final Payment for the Lift Stations #2, #20 and #24 Can Replacement and Miscellaneous Improvements in the amount of \$68,987.18 to Central Excavation and \$696.84 to the State Miscellaneous Tax Fund and authorize the City Manager to make the payments.”

2. Mayor requests a second to the motion, Commission discussion, public comment, and calls for the vote.

Staff Recommendation: Approve Final Payment Request.

Summary: Central Excavation has completed the installation of all three (3) Lift Stations and has completed the punch list items associated with the Can Replacement and Miscellaneous Improvements project. Central Excavation is requesting Final Payment.

Background:

Significant Impacts

This project involved replacement and rehabilitation work at sewage Lift Stations #2, #20, and #24 due to age and corrosion experienced at the stations.

Workload Impacts

NCI Engineering Co. (NCI) completed the project design and performed construction inspection and contract administration duties. City engineering and Veolia staff assisted with project administration duties.

Purpose

Due to groundwater and corrosive soils located at these lift stations, severe corrosion had taken place in the dry wells and wet wells. In some cases, groundwater had begun to leak into these stations, and left unchecked, could have caused operational problems and possible shutdowns. The dry well of Lift Station #2 was showing extreme internal corrosion and the potential for major failure was imminent. Both Lift Stations #20 and #24 had issues with corrosion, water infiltration, poor operation and maintenance capabilities, and safety issues. Based on the inspection results and the Engineering Report prepared by NCI it was determined that total replacement of the wet wells and all pumping equipment was needed. The improvements at all three (3) lift stations were designed to generally match existing influent flows and included considerations for potential future flows. Any usable equipment located in these lift stations was salvaged and can be used for backup purposes on other lift stations.

Project Work Scope

Lift Station #2 is located in Elk's Riverside Park along River Drive North and serves the area between the railroad and the river. Lift Station #20 is located south of 8th Avenue SW along 13th Street SW and serves the surrounding residences. Lift Station #24 is located in Meadowlark Park along Juniper Avenue and serves the Fox Farm Area.

Final Payment

The final project cost is \$869,939.38 which is \$43,315.62 less than the amount that was originally awarded and approved. Field modifications such as eliminating the retaining wall at Lift Station #24 and reducing the quantity of fill material required at Lift Station #2 reduced the overall cost of the project. Challenges were encountered during the project. Those challenges were satisfactorily resolved and are reflected in the total payment to be made to the contractor, as agreed to by the contractor.

Conclusion

City staff recommends making the Final Payment. NCI Engineering and City staff verified that Central Excavation completed all of the work and punch list items in accordance with the plans and contract. The two (2) year warranty period started at the time of substantial completion which was December 17, 2015. The lapse in time since substantial completion was due to weather dependent punch list items including sod and tree planting, negotiation between the contractor and suppliers regarding delays associated with delivery of materials, and negotiation with the contractor over extra cost claims.

Fiscal Impact: This project is funded through Sewer Utility Capital Funds.

Alternatives: The City Commission could vote to deny Final Payment.

Concurrences: The City's consultant for this project, NCI Engineering, concurs with the recommendation to approve the Final Payment request.

Attachments/Exhibits: None.