

TOWN COUNCIL STAFF REPORT

Title: Accept the Project Closeout Report For CAP 17-009 Fuel Island Upgrades.

Meeting Date: July 17, 2024

Prepared by: Colin Brownlee, Engineering Assistant

RECOMMENDATION:

Staff recommends Town Council accept the project closeout report for Fuel Island Upgrades.

BACKGROUND:

The Town identified a need to make improvements to the Town's fueling station located at 299 Commerce Drive. It is used by Town staff and other partner agencies as a fueling station for daily operations, including critical operations for crews such as snow removal, MLFD, and ESTA. The system was installed over 30 years ago and was in need of repair. The life span of underground storage tanks is typically 30 years without improvements and there were issues with water entering the sumps and questions about the tank's condition. Though many options were evaluated, the best choice was a combination treatment of inspecting, sandblasting, rinsing, and lining the inside of the tanks. This work was completed in 2022, followed by new surface level concrete and waterproof lids. This would prolong the life of the tanks an estimated 15+ years.

ANALYSIS:

In October of 2022, the Contractor, CGRS accessed the tanks for inspection. They found normal levels of corrosion, but determined the tank thicknesses were safe and did not need any major repair. They then sandblasted and rinsed the tanks, followed by a lining. The surface level concrete work was originally scheduled to be completed during October of 2023. It was scheduled for this time of year to reduce impact on critical public services such as snow removal and high traffic bus routes. The Contractor successfully completed the demolition of the existing concrete and did the necessary grading work. After placing the concrete, it was determined that the concrete mix used lacked the required fiber mesh, an important component for durability. The finish work on the concrete was also poor. The Contractor and the Town agreed that the work did not meet the standards of the Contract and the Contractor agreed to remove and replace the concrete in the Spring of 2024. The Contractor returned at the end of May 2024 and began the two week process of removing the sub-standard concrete and replacing it with a higher quality product that met specifications. The Fuel Island was re-opened on June 12th, 2024.

FINANCIAL CONSIDERATIONS:

\$600,000.00 was originally allocated from the Transit Reserves for this work. The total expenditures for all of the work was \$451,466.18. The remaining funds, \$148,533.82 will be transferred back into Transit Reserves.

CONSTRUCTION PHOTOS:



Internal corrosion buildup



Internal wall before sandblasting



Before Lining, After Sandblasting



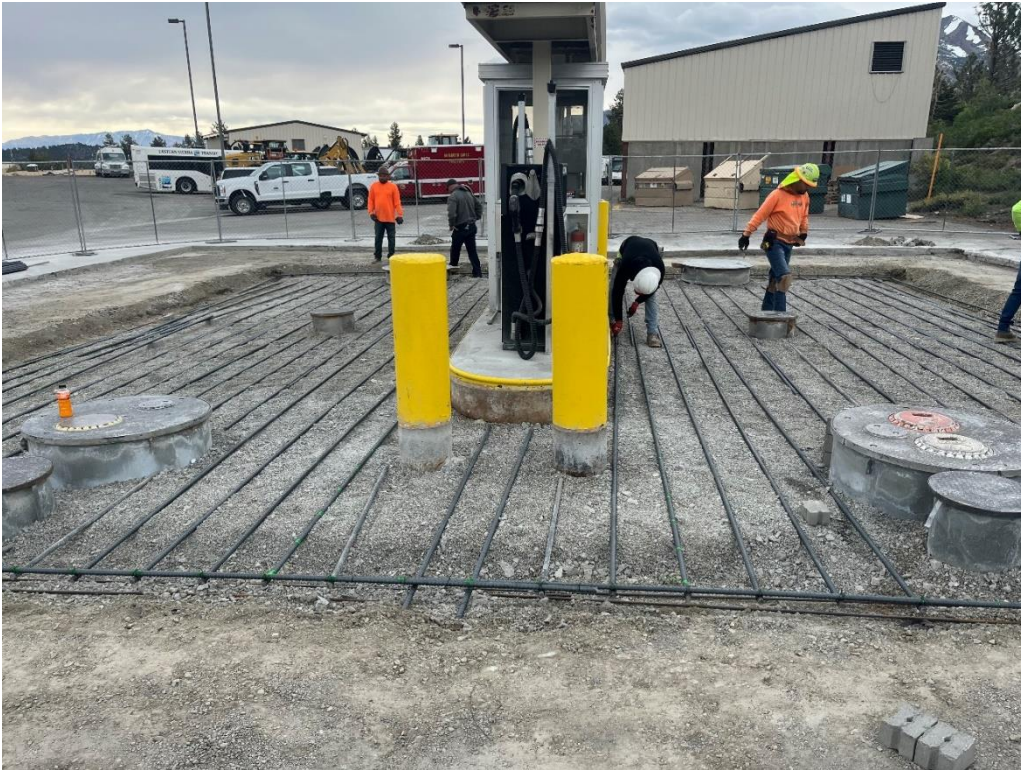
After Lining



Demolition work in October 2023



Grading gravel base in October 2023



Post demolition of concrete and placing reinforcing bar in June 2024



Placing concrete in 2024



Pouring concrete in 2024