



DATE: July 15, 2024

TO: President and Members of the Estero Municipal Improvement District (EMID) Board of Directors

VIA: Stefan Chatwin, District Manager  
Marlene Subhashini, Assistant District Manager

FROM: Andrew Brozyna, Public Works Director/District Engineer  
Ryan Marquez, Senior Civil Engineer

DEPARTMENT: Public Works

SUBJECT: LIFT STATION 59 EFFLUENT LINE IMPROVEMENTS PROJECT  
(CIP 455-695) – APPROVAL OF PLANS AND SPECIFICATIONS  
AND AUTHORIZATION TO CALL FOR BIDS

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## RECOMMENDATION

It is recommended that the Board of Directors of the Estero Municipal Improvement District (EMID) adopt the attached resolution approving the Plans and Specifications and authorizing the call for bids for the Lift Station 59 Effluent Line Improvements Project (CIP 455-695).

## EXECUTIVE SUMMARY

CIP 455-695 continues EMID's program of maintaining and upgrading its facilities to ensure their useful and long life. CIP 455-695 involves various improvements to the effluent line from the EMID's main Pump Station 59 located in the EMID's Corporation Yard to provide this critical facility with enhanced operational flexibility, flow measurement accuracy and redundancy during repairs.

This project was publicly bid in summer of 2023, receiving one bid, approximately 190% the value of the engineer's estimate. The sole bid was rejected in June of 2023 with EMID Board direction to further investigate cost savings and then rebid the project. The modified plans and specifications have been prepared by BKF Engineers (BKF) and are

ready for EMID Board approval. Total funding in the amount of \$1.8 million dollars was approved for the project budget with approximately \$1.6M unencumbered, ready to be used for construction. Based on the total project estimate of approximately \$2M, current funding is not adequate to fully fund the construction phase. However, the Wastewater Enterprise Fund has approximately \$3M in projected excess reserve that is available for use to supplement the project budget when awarding this project.

The EMID Board action will allow staff to advertise the project for bidding. Construction is anticipated to take approximately 4 months beginning in the summer of 2025.

## BACKGROUND/ANALYSIS

EMID provides wastewater services to the City of Foster City. Due to the City's flat topography, the existing wastewater system is designed as a network of lift stations that collect and convey sewage from the outer basins to the inner basins. All sewage is ultimately collected at Pump Station 59 and conveyed to the San Mateo Wastewater Treatment Plant (WWTP), which is jointly owned by EMID and the City of San Mateo. Pump Station 59 is the final and largest capacity station within the EMID's collection system pumping an average of 2.9 million gallons of wastewater generated by Foster City per day via a single 21-inch force main to the WWTP. CIP 455-695 includes improvements intended to provide this critical facility with enhanced operational flexibility, flow measurement accuracy and reliability, and a bypass system allowing for uninterrupted flow of wastewater during maintenance activities.

At its February 1, 2021 EMID Board meeting, the EMID Board adopted Resolution No. 3557 authorizing a consultant agreement with BKF Engineers for professional engineering services for the Lift Station 59 Effluent Line Improvements Project (CIP 455-695). At the April 3, 2023 meeting, the EMID board adopted Resolution No. 3715 authorizing call for bids. At the June 20, 2023 meeting, the EMID board rejected the sole bid due to the discrepancy between the Engineer's Estimate and the sole bid price. Via Resolution No. 3735, the EMID Board then directed staff to further investigate cost savings and then rebid the project.

The modified project scope includes the following improvements:

1. Replacement of the existing ultrasonic effluent flow meter that measures the amount of sewage that flows to the WWTP (no change).
2. Installation of an above ground re-usable temporary bypass at the Pump Station within the Corporation Yard to allow staff to perform maintenance and repairs on the system without shutting down the EMID's sewage system and interrupting sewage flow to the WWTP. This scope replaces the original permanent underground bypass pipe to a re-usable above ground temporary bypass pipe

system. This scope reduction is expected to realize approximately \$600k in savings.

3. Installation of valves on the exterior manifold to allow for isolating each wet well of the pump station for continued system operation during repairs (no change).

Plans and Specifications for CIP 455-695 are now complete and are ready for re-bidding. The design of the project was performed by BKF Engineers and subsequent work following the summer of 2023 bid was also performed by BKF Engineers. A copy of the plans and specifications are available for review in the City Council office.

The EMID Board action will allow staff to advertise the project for bidding. Staff anticipates submitting a staff report and resolution for the award of the construction contract to the EMID Board in September of 2024. Due to long lead time for specialty items, groundbreaking activity is anticipated to begin in August 2025 and will take four months. The project schedule is as follows:

Advertisement	July 16 to August 22, 2024
Bid Opening	August 22, 2024
Construction Contract Award	September 16, 2024
Construction	July thru October 2025
Notice of Completion	November 2025

## CEQA

Categorically Exempt pursuant to CEQA Guidelines Section 15301(b) – Existing Facilities

## FISCAL IMPACT

Total funding in the amount of \$1.8 million dollars was approved for the project budget.

The Engineer's Estimate for the construction is approximately \$1,400,000.00. The total estimated project cost of \$1,923,654 includes design costs, a 15% construction contingency, a 10% construction management estimate, and miscellaneous costs, as shown below.

<b><u>BUDGET APPROVED</u></b>	
FY 20/21	\$150,000.00
FY 21/22	\$1,650,000.00
<b>Total Approved Budget</b>	<b>\$1,800,000.00</b>
<b><u>EXPENDITURES</u></b>	
BKF Consultant agreement (Design Services)	\$116,654.00

Total Approved Amendments	\$42,000.00
Engineer's Estimate of Construction	\$1,400,000.00
Construction Contingency (15%)	\$210,000.00
Construction Management (10%)	\$140,000.00
Miscellaneous costs (advertising, production of plans and specs, etc.)	\$15,000.00
<b>Total Estimated Project Cost</b>	<b>\$1,923,654</b>

Staff will return to the EMID Board once the bid opening occurs to ask for any budget increase. There is approximately \$3M in excess reserve in the Wastewater Enterprise Fund that can be used to make up any funding gap that may exist after the project bid.

### CITY COUNCIL VISION, MISSION, AND VALUE/PRIORITY AREA

Facilities and Infrastructure

### ATTACHMENTS:

Attachment 1 – Resolution