



**STAFF REPORT**  
**2/28/2024**

**TO:** Honorable Mayor and City Council Members

**FROM:** Cástulo R. Estrada, Utilities Manager

**SUBJECT:** Proposal for Coachella Sanitary District Headworks Screening Improvements for on-call Professional Services with Dudek in the amount of \$144,825.00.

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**STAFF RECOMMENDATION:**

Authorize the City Manager to use the on-call Professional Service Agreement with Dudek in the amount of \$144,825.00 for final engineering plans, construction specifications and cost estimates for Coachella Sanitary District Headworks Screening Improvements.

**BACKGROUND:**

The City of Coachella sewer system also known as the Coachella Sanitary District consists of sewers that collect local flows generated from the City's residential, commercial, and industrial areas and other areas outside the city limits and discharge to the City's wastewater treatment plant on Avenue 54 with a capacity of 4.5 million gallons per day.

The Coachella Sanitary District's collection system includes about 100 miles of sanitary sewers ranging in size from 4 inches to 54 inches in diameter. The system has about 1,700 manholes and two main pump stations.

**DISCUSSION/ANALYSIS:**

In 2007 the Coachella Sanitary District's Avenue 54 Wastewater Treatment Plant (WWTP) completed a major expansion including the construction of a headworks facility with screenings and grit removal equipment. Dudek is familiar with the existing headworks having completed the original design in 2004.

The headworks was designed with the option to add a redundant/second bar-screen but was never built requiring the manual bypass to act as the redundant screen. It is extremely rare to see a WWTP with only a manual bypass and not a second bar-screen. The completion of a redundant/secondary bar-screen allows for maintenance of the primary channel bar screen for the goal of uninterrupted treatment of wastewater influent in the event of a mechanical breakdown or emergency.

The City previously worked with Misco to obtain a proposal to install a like-kind and sole source redundant barscreen at the headworks facility. The proposal was a turnkey project including a bar screen with control panel, level transducers, screenings washer compactor and conveyor and control panel, integration into the existing SCADA system, professional installation and facility trained technician start-up and training. The proposal came in at over eight-hundred and fifty thousand dollars (\$850,000), which is of a size and complexity that the City would typically require an engineered design and contractor bid package. It's the City's understanding that ARPA funding also required a formal bidding process.

**Figure – 1: Site Photo Showing: Existing Bar Screen; Existing Secondary Channel (not is use) and Manual Bypass Channel**



**FISCAL IMPACT:**

No Fiscal Impact. Services will be used to execute projects already funded in this FY 23/24 and budgets will be included in FY24/25.

The Utilities Department has \$2.2 million of ARPA funding set aside for Utility Projects. We estimate that \$700,000.00 will be encumbered for the construction of this project. Staff's goal is to complete design by July 2024 and begin construction shortly thereafter.