



Pinellas County

Staff Report

File #: 17-937A, **Version:** 1

Subject:

Award of bid to KAT Construction & Materials, Inc. for the North Train Anoxic Gate Improvement Project at the South Cross Bayou Water Reclamation Facility.

Recommended Action:

Approve the award of bid to KAT Construction & Materials, Inc. for the North Train Anoxic Gate Improvement Project at the South Cross Bayou Water Reclamation Facility (SCBWRF).

Bid No. 167-0415-CP(DF); PID No. 002826A; in the amount of \$1,256,200.00 on the basis of being the lowest responsive, responsible bid received meeting specifications; all work is expected to be completed within 240 consecutive calendar days.

Strategic Plan:

Create a Quality Workforce in a Positive, Supportive Organization

1.3 Make workforce safety and wellness a priority

Foster Continual Economic Growth and Vitality

4.4 Invest in infrastructure to meet current and future needs

Deliver First Class Services to the Public and Our Customers

5.2 Be responsible stewards of the public's resources

5.3 Ensure effective and efficient delivery of county services and support

Summary:

The purpose of this project is to remove and replace 12 new weir gate riser stems and pedestals with electric operators in the North Train Anoxic Tanks. The project will also include removal of 11 aeration effluent channel mixers, restoration of a concrete beam, and coating of the walkway. The project will allow for improved operational efficiency and safety. The weir gates will be upgraded with electric actuators allowing them to be controlled automatically from the plant operations center. Additionally, the new water tight seals will prevent the gates from leaking while workers are inside the tanks performing maintenance.

Background Information:

The weir gates at the SCBWRF no longer function as designed due to the corrosive environment at the plant. Having fully operational weir gates is essential to isolating tanks for periodic cleaning and to balance flows. Retrofit improvements to the weir gates include installing new waterproof seals and electrical gate operators at each sluice gate. The gate seals ensure that gates can withhold water, allowing maintenance workers the ability to isolate and take the tanks out of service for periodic maintenance and cleaning.

The installation of electrical gate actuators gives the plant maintenance staff the ability to control

water flow throughout the tank automatically through the control room in the plant operations center as opposed to physically operating them within the plant. This added functionality improves efficiency and saves operators time.

Project also has significant concrete repair within the tank. Concrete repairs will increase the service life of the tank plus negate the possibility of having to perform costlier repairs in the future.

Fiscal Impact:

Expenditure not to exceed: \$1,256,200.00

Funding for this project is derived from the Utilities Department Sewer Enterprise Fund.

Staff Member Responsible:

Randi Kim, Director, Utilities

Joe Lauro, Director, Purchasing

Partners:

N/A

Attachments:

Agreement

Bid Tabulation

Project Location Map