



CITY OF FORT LAUDERDALE
City Commission Agenda Memo
REGULAR MEETING

#13-0858

TO: Honorable Mayor & Members of the
Fort Lauderdale City Commission

FROM: Lee Feldman, ICMA-CM, City Manager

DATE: August 20, 2013

TITLE: Motion to approve the purchase and installation of epoxy polymer lining
system - Invitation to Bid (ITB) 433-11213 - \$157,900

Recommendation

It is recommended that the City Commission approve the purchase and installation of an epoxy polymer lining system from the lowest cost, responsive and responsible bidder Atlantic Painting & Sandblasting, LLC, in the amount of \$157,900.

Background

The George T. Lohmeyer Regional Wastewater Treatment Plant (GTL) has four separate bio-reactor treatment trains (A – D). As part of the periodic plant maintenance, these units have undergone multiple repair cycles since being placed into operation over 30 years ago.

In January 2012, GTL staff commenced rehabilitating the mechanical equipment, which included inspecting and cleaning the bio-reactors. During the routine inspection conducted in February 2013, a failure of the lining system in the first stage of the treatment of unit 'A' was evidenced by rusting anchors and the lining material which was observed to be detached/peeled.

The existing lining system was originally installed in 1982, and the purpose of the lining system is to protect the concrete ceiling and wall surfaces in a corrosive environment. Pure oxygen injected into the treatment process along with acids and sulfides (H₂S) can build up during the treatment process and cause deterioration of concrete structural members, resulting in a reduction of concrete strength and serviceability, and impacting the structural integrity of the Bio-reactor tanks. There is also a need for abrasion resistance as grit is regularly removed from this treatment train during cleaning.

The replacement of the lining system, which covers the ceiling and walls down below the normal water line, is vital in protecting the existing concrete structure from deterioration which would jeopardize the normal operations of the treatment plant as well as result in the need for extensive repairs.

The Procurement Services Division sent an ITB to 936 vendors and received four responses. Atlantic Painting & Sandblasting, LLC was the lowest cost, responsive and responsible bidder in the amount of \$157,900. The Deputy Director of Finance has determined that the low bidder, T&R Marine Solutions, Inc., is non-responsive because they did not bid the minimum coating thickness of 80 to 100 mils of product application as required in the specifications.

Resource Impact

Contingent upon approval of agenda item #13-0965, the consolidated budget amendment, there will be a fiscal impact to the City in the amount of \$157,900.

FUNDS AVAILABILITY LOCATION:

FY	FUND	SUB FUND	FUND NAME	INDEX #	INDEX NAME	SUB OBJ #	SUBJECT NAME	AMOUNT
2013	451	02	Central Regional Wastewater System	P11942.451	GTL REACTOR TRAIN "A" EPOXY POLYMER LINING SYSTEM	6599	CONSTRUCTION	\$157,900
TOTAL								\$157,900

Related CAM: #13-0965

Attachment

Exhibit 1 – Bid Tabulation 433-11213

Prepared by: Robert McKenney, Procurement Specialist II
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Department Director: Hardeep Anand, P.E., Public Works