

Item:

..Title

Capital Project Amendment No. 19CPA000006 - Appropriate \$2,103,200 of Collection System Rehabilitation Fund fund balance to create the Aeration System Improvements Project for the Triangle Wastewater Treatment Plant (TWWTP) SE055 and award of the Aeration System Improvements for the TWWTP (IFB 18-040R1) contract to English Construction Company, Inc.

..Body

Date Of BOCC Meeting: October 8, 2018

Request For Board Action:

..Agenda Text

The Board is requested to approve Capital Project Amendment No. 19CPA000006 appropriating \$2,103,200 of Collection System Rehabilitation Fund fund balance to establish the Aeration System Improvements Project for the Triangle Wastewater Treatment Plant (TWWTP) Project SE055. The Board is also requested to award a construction contract to English Construction Company, Inc. in the amount of \$1,912,000 for the construction of the Aeration System Improvements and to authorize the County Manager to execute the contract and any related contract amendments, not to exceed a total project budget of \$2,103,200.

Project	Current Budget	Increase/ Decrease	Revised Budget
Aeration System Improvements for the TWWTP (SE055)	\$0.00	\$2,103,200	\$2,103,200
Totals	\$0.00	\$2,103,200	\$2,103,200

The Aeration System Improvements for the TWWTP includes the replacement of existing mechanical aeration rotors in oxidation ditch number two with a diffused aeration system consisting of two 125 horsepower blowers with variable frequency drives and two membrane disc diffuser grids. Additional work in oxidation ditch number two includes removing settled solids from the basin, repairing an expansion joint spanning the basin, and replacing all mixers within the basin. A ten percent contingency is recommended for this project to cover unexpected expenses.

Durham County issued an Invitation for Bid (IFB 18-040) on June 7, 2018. IFB 18-040 was advertised in local newspapers and on the Durham County website. Additionally, the requirements were emailed to multiple contractors. Only two bids were received on July 19, 2018. As a result, an additional Invitation for Bid (IFB 18-040R1) was issued on August 8, 2018. Three bids were received on August 16, 2018. The bid tabulation is attached.

In review of the MWBE compliance with IFB 18-040R1 Aeration System Improvements for the TWWTP, English Construction Company, Inc. will be utilizing a total of 37.04% MWBE certified Women-Owned businesses.

Alignment With Strategic Plan: This action is in accordance with Durham County Strategic Plan Goal 4: “Environmental Stewardship and Community Prosperity,” as this project will ensure a clean environment by restoring oxidation ditch number two to its original treatment capacity. Additionally, the transition from mechanical surface aeration to diffused aeration should result in reduced energy usage at the TWWTP.

Resource Persons: Peri Manns ASLA, Interim General Manager; Stephanie Brixey, Deputy Director of Engineering and Environmental Services, Kyle Manning PE, Senior Project Manager; and Kim Connally, Budget Analyst

County Manager’s Recommendation: The County Manager recommends the Board approve Capital Project Amendment No. 19CPA000006 appropriating \$2,103,200 of Collection System Rehabilitation Fund fund balance to establish the Aeration System Improvements Project SE055 for the Triangle Wastewater Treatment Plant (TWWTP) and to authorize the County Manager to execute a construction contract with English Construction Company, Inc. and to authorize the County Manager to execute any related contract amendments, not to exceed a total project budget of \$2,103,200.

..Signature

County Manager: _____