

**Indian River County, Florida
Department of Utility Services
Board Memorandum**

Date: September 29, 2023

To: Indian River County Board of County Commissioners

Through: John A. Titkanich, Jr., County Administrator
Sean C. Lieske, Director of Utility Services

From: Howard G. Richards, PE, Manager, Capital Projects

Prepared by: Robert J. Tobar, EI, Utility Design Engineer

Subject: Bowman Consulting Group, LTD. Work Order 14 Amendment 1 – North County 24-Inch Force Main Replacement

Background:

Indian River County Department of Utility Services (IRCDUS) manages lift station 203, which is located at the decommissioned North Wastewater Treatment Facility (NWWTF). Lift Station 203 receives sewage from a 24-inch ductile iron force main that runs west to the facility from Old Dixie Highway. The 24-inch force main is a high-value asset, carrying sewage from Indian River County's north wastewater service area directly to lift station 203, then pumped to the IRCDUS Central Wastewater Treatment Facility (CWWTF).

During a recent repair of the 24-inch force main, it was discovered that the pipeline is significantly corroded and determined that the likelihood of failure is very high. In addition, the consequences of failure include significant damage to private property thus exposing IRCDUS to significant financial risk. It was determined that the optimum solution to mitigate the high risk of failure of the 24-inch force main, is to undertake a capital project to do a complete replacement on a fast-track basis.

On February 21, 2023, the Board of County Commissioners (BCC) approved Work Order (WO) 14 to Bowman Consulting Group, LTD. (Bowman) in the amount of \$88,230.00 to provide design, bid support, and construction management services during construction (SDC) for replacement of the 24-inch force main. WO 14 was executed under Bowman's CCNA 2018 contract, renewed and extended in 2021.

Discussion:

As noted above, the project to replace the 24-inch force main is being done on a fast-track basis (i.e., expedited schedule) due to the high financial risk of failure. During a design constructability review, it was determined that changing the new force main alignment, by moving it approximately 50-feet south of the existing location, would avoid conflicts with Red Stick Golf Course and allow construction to commence sooner (i.e., reduce timeline to complete). This, in turn, requires an easement dedication to Indian River County, which will require an additional scope of services by Bowman.

Staff has conducted negotiations with Bowman to prepare Amendment 1 to WO 14 in the amount of \$20,296.34 (see attached). This amendment includes additional services needed to accommodate the revised placement of the proposed force main. Upon approval of Amendment 1 to WO 14, the new total amount for WO 14 would increase to \$108,526.34. Staff has determined that it is in the County’s best interest to proceed with the work proposed by Bowman in Amendment 1 to WO 14.

Funding:

Expenses in the amount of \$20,296.34 for this project will be taken from the utilities operating capital account Utilities/WIP/NWWTF 24” FM Replacement, number 471-169000-23503. Since this is an operating capital project, the funds will come from fund balance. Operating funds are derived from water and sewer sales.

Description	Account Number	Amount
Utilities/WIP/NWWTF 24” FM Replacement	471-169000-23503	\$20,296.34

Recommendation:

Staff recommends the Board of County Commissioners approve Amendment 1 to Work Order 14 for Bowman Consulting Group, LTD., to provide additional services to change the alignment of the North County 24-inch force main in the amount not-to-exceed \$20,296.34, and authorize the Chairman to sign on their behalf.

Attachments:

- Amendment 1 To Work Order No. 14 - Bowman Consulting Group