

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

**Date:** February 2, 2024

**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:** Amendment No. 2 to Work Order No. 14 to Bowman Consulting Group, LTD.  
North County WWTF 24" Force Main Replacement  
IRCDUS Project ID 21.23.503

**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 the main force main carrying wastewater from Indian River County's north wastewater service area directly to lift station 203, then pumped to the IRCDUS Central Wastewater Treatment Facility (CWWTF). The pipeline is significantly corroded, and it has been 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.

The project to replace the 24-inch force main is being done on an expedited schedule due to the high financial risk of failure. During the design phase, 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). Design is nearing completion.

On February 21, 2023, the Board of County Commissioners (BCC) approved Work Order (WO) No. 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 for replacement of the 24-inch force main. WO No. 14 was executed under Bowman's CCNA 2018 contract, renewed, and extended in 2021. On October 17, 2023, the BCC approved Amendment No. 1 to WO No. 14 for Bowman to provide additional design services to change the alignment of the North County 24-inch force main in the amount not-to-exceed in \$20,296.34, bringing the total cost to \$108,526.34.

**Discussion:**

The original design contained significant horizontal directional drilling. However, this method of force main installation was changed to include more open cut installation. During the design phase, it was determined that a temporary construction-stabilized accessway would be beneficial for construction, allowing for more regulation for the control of erosion created by vehicular trafficking that open cut installation creates.

During a recent tortoise survey, it was discovered that tortoise burrows were located on a portion of the Waste Management property near the proposed force main. This area was not included in previous surveys. Due to the proximity of the tortoise burrows, there is a need to determine the number and location of the tortoises in the work area. Bowman provided the attached WO 14 Amendment 2 for \$1,320.00 for additional tortoise survey. This will bring the total for Work Order No. 14 to \$109,846.34.

**Funding:**

Expenses, in the amount of \$ 1,320.00, for Work Order No. 14 Amendment 2 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 the fund balance. Operating funds are derived from water and sewer sales.

Description	Account Number	Amount
Utilities/WIP/NWWTF 24" FM Replacement	471-169000-23503	\$1,320.00

**Recommendation:**

Staff recommends the Board of County Commissioners approve Amendment No. 2 to Work Order 14 to Bowman Consulting Group, LTD., in the amount of \$ 1,320.00, for additional tortoise survey and authorize the Chair to execute the same. So long as there are no changes in the dollar amount under the amount approved, upon adequate completion of the work set forth in the work order, staff is directed to make final payments to Bowman Consulting Group, LTD., after review and approval by the Purchasing Manager and the County Attorney's Office.

**Attachments:**

- Amendment No. 2 To Work Order No. 14 - Bowman