

**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. 1 to Work Order No. 5 to Masteller & Moler, Inc. for  
Spoonbill Marsh River Intake Station Access Road & Electric Power  
IRCDUS Project ID 12.24.501

**Background:**

Spoonbill Marsh is a 69-acre, man-made wetland operated by Indian River County within an easement on lands owned by Grand Harbor North Lands, LLC. It is located just east of the US Highway 1 and 53<sup>rd</sup> Street intersection. Spoonbill Marsh filters brine solution, a salt-heavy byproduct from the County's North Water Treatment plant. This demineralized by-product is filtered through palms and mangroves, cleaning the brine before it enters the Indian River Lagoon. Water from the Indian River Lagoon is pumped into the Spoonbill Marsh wetland system by a pump station located on the property.

In October 2023, the electrical conduit supplying power to Spoonbill Marsh's pump station failed. As a result, the pump station has been relying on power from a generator. Indian River County Department of Utility Services (IRCDUS) is undertaking a project to replace the electric power cable to restore permanent power to the pump station. IRCDUS also seeks to raise the access roadway to the pump station to provide more stabilization and reduce the likelihood of wetland impacts, while incorporating the new electric power cable for construction cost savings.

On November 30, 2023, Work Order (WO) No. 5 based on time and materials (T&M) was executed, authorizing Masteller & Moler (M&M) to perform engineering services to immediately commence initial design activities. Work authorized under WO No. 5 is nearing completion, and IRCDUS seeks to authorize M&M to complete civil engineering and related subconsultant services associated with design and permitting of the proposed access roadway and electric power.

**Analysis:**

Upon request by IRCDUS staff, M&M prepared the attached Amendment No. 1 to WO No. 5 to provide engineering, design, environmental, and construction phase services for the Spoonbill Marsh River Intake

## Consent Item

Station. The work is proposed to be completed in two phases. Phase 1 will include construction of a new electric power system for the pump station. Phase 2 will involve upgrading the existing maintenance roadway leading to the intake pumping facility. The amount of Amendment No. 1 to WO No. 5 is \$87,710.00.

### Funding:

Expenses, in the amount of \$87,710.00, for Amendment No. 1 to WO No. 5 will be recorded in the operating capital account, Utilities/WIP/Spoonbill Pumps Access Rd and Power Cable, number 471-169000-24501. 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/Spoonbill Pumps Access Rd and Power Cable	471-169000-24501	\$87,710.00

### Recommendation:

Staff recommends that the Board of County Commissioners approve Amendment No. 1 to Work Order No. 5 to Masteller & Moler to provide Engineering, Design, Environmental, and Construction Phase services for the Spoonbill Marsh River Intake Station Access Road & Electric Power Project in the amount of \$87,710.00 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 Masteller & Moler, Inc., after review and approval by the Purchasing Manager and the County Attorney's Office.

### Attachments:

- Masteller & Moler Amendment No. 1 to Work Order No. 5