

**INDIAN RIVER COUNTY, FLORIDA  
MEMORANDUM**

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**TO:** Jason E. Brown, County Administrator

**THROUGH:** Richard B. Szyrka, P.E., Public Works Director

**FROM:** Eric Charest, Natural Resources Manager

**SUBJECT:** Approval of Change Order #s 1, 2 and 3 for Egret Marsh Algal Turf Scrubber Influent Feed System Replacement (IRC Bid 2021049)

**DATE:** March 28, 2022

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**DESCRIPTION AND CONDITIONS**

On August 17, 2021, the Board of County Commissioners (BCC) awarded Bid No. 2021049 to Costello Brothers Marine Construction, Inc. in the amount of \$97,999.68 for the influent feed system replacement work at the Egret Marsh Stormwater Park and Nature Preserve. Due to unavoidable obstacles encountered during construction, Change Order #'s 1, 2 and 3 were submitted by the contractor to cover costs associated with the additional scope of work that was necessary to complete the replacement of the facility's influent feed system.

Change Order #1 (CO#1) was executed on December 17, 2021 increasing the amount of contract by \$6,400.00. CO#1 required that the contractor furnish and install a restraining system on the extensions of pipe added to the influent feed system in order to prevent any separation of the connected pipes. CO#1 increased the contract price to \$104,399.68.

Change Order #2 (CO#2) was executed on January 25, 2022 increasing the amount of the revised contract by \$28,500.00. CO#2 was necessary to reroute electrical lines that were found to be in conflict with the influent feed system work. CO#2 increased the contract price to \$132,899.68 and added time to the contract to allow for specialized electrical work to be completed.

Change Order #3 (CO#3) was executed on February 17, 2022 to increase the amount of the revised contract by \$26,342.75. CO#3 included additional electrical work that was necessary to complete the project. CO#3 increased the contract price to \$159,242.43, while maintaining the contract extension terms identified in CO#2.

As the Egret Marsh Stormwater Park and Nature Preserve functions to improve the quality of the water heading to the Lagoon by removing excess nitrogen and phosphorus while increasing dissolved oxygen content, CO#s 1, 2 and 3 were necessary in order to maintain operation of the site. In addition, as Emergency Services maintains a Communication Tower for the County's emergency network on the site, timely response to electrical issues encountered was essential.

**FUNDING**

Funding for the Egret Marsh Algal Turf Scrubber Influent Feed System Replacement and subsequent Change Orders in the amount of \$159,242.43 is available in the Optional Sales Tax/Public Works Construction in Progress/Egret Marsh Influent Feed System (31524338-066510-21012) account.

**RECOMMENDATION**

Staff recommends the BCC approve Change Order #s 1, 2 and 3 of the Egret Marsh Algal Turf Scrubber Influent Feed System Replacement project (IRC Bid 2021049).

**ATTACHMENTS**

Change Order #1  
Change Order #2  
Change Order #3

**APPROVED AGENDA ITEM FOR APRIL 5, 2022**