

TOWN OF PALM BEACH

Information for Town Council Meeting on: February 13, 2018

TO: Mayor and Town Council

VIA: Thomas G. Bradford, Town Manager

FROM: H. Paul Brazil, P. E., Director of Public Works

RE: Approve a Purchase Order Increase for Additional Project Administration and Construction Support for Lake Worth Lagoon Waterway Access Maintenance Dredging
Resolution No. 22-2018

DATE: January 21, 2018

STAFF RECOMMENDATION

Town staff recommends that Town Council approve Resolution No. 22-2018, approving a purchase order increase to Applied Technology & Management, Inc. (ATM) in the amount of \$29,380 for additional project administration and construction support associated with the Lake Worth Lagoon Waterway Access Maintenance Dredging, increasing the purchase order from \$74,668 to \$104,048 and establish a new task budget of \$115,000.

GENERAL INFORMATION

On December 13, 2016, Town Council awarded a construction contract to Coston Marine Services, Inc. (Coston Marine) for the Lake Worth Lagoon Waterway Access Maintenance Dredging project. The award was contingent upon receipt of donations and applicable permit modification. The non-profit organization, Palm Beach Intracoastal Neighbors (PBIN), has provided the Town with the necessary donations to cover the construction costs of the project.

During the permitting process the disposal of sediment in a historical dredge hole on the western side of the Lake Worth Lagoon north of the C-51 canal, commonly referred to as John's Hole, both State and Federal agencies have received notice from the public objecting to the use of the site. The Town and our consultants worked with Palm Beach County Environmental Resources Management (County) and the Florida Department of Environmental Protection (FDEP) to find a suitable alternative disposal site in the lagoon Bonefish Cove was proposed as a possible disposal site.

The County has been developing a future environmental enhancement project in the Lake Worth Lagoon called Bonefish Cove. In a continued effort to improve water quality in the lagoon, one of the elements of the County project is to raise the elevation of the lagoon in this area to create new mangrove islands and promote seagrass propagation. This site has the need and capacity for additional sediments. Since this location would be eventually capped with sand, the Bonefish Cove site was determined to be a more acceptable location by FDEP for the disposal of the maintenance dredging material. The modified disposal location, placement, and volume has increased the cost of the project by \$248,440 from \$1,063,500 to \$1,311,940. Town staff recommended to PBIN to include a contingency of \$50,000 which would establish a new construction phase budget of \$1,361,940.

On April 13, 2017, Town Council approved an increase to the Coston Marine contract in the amount of \$248,440 from \$1,063,500 to \$1,311,940. In addition, Town Council approved a purchase order to ATM in the amount of \$74,668 to provide construction phase coastal engineering support services for the project and established a task budget in the amount of \$85,000.

In the following months, the USACE identified issues related to the use of the Bonefish Cove site. These issues included the concerns for the material spreading as a result of the flat bottom within the area and the timing between the PBIN project and the County's enhancement efforts. The Town again reached out to Palm Beach County with the possibility of using another location within the lagoon. A site referred to as Tarpon Cove was determined by the County to be an acceptable location to receive the dredging material.

Tarpon Cove has been permitted by both the USACE and FDEP. Because the location of the disposal site is within proximity of the original John's Hole location, the contract amount was reduced by \$109,350. The new net project cost is \$1,202,590 rather than \$1,311,940. This reduction can accommodate an increase in coastal engineering support services of \$29,380.

FUNDING/FISCAL IMPACT

Sufficient funds have been donated to the Town to accommodate the construction phase services cost.

PURCHASING REVIEW

This item has been reviewed by the Purchasing Division and approved as recommended.

TOWN ATTORNEY REVIEW

This resolution has been reviewed and approved by the Town Attorney for legal form and sufficiency.

Attachment

cc: Jane Struder, Director of Finance
Patricia Strayer, P.E., Town Engineer
Robert Weber, Coastal Program Manager
Dean Mealy, Purchasing Manager
Rick Asnani, PBIN
Michael Jenkins, Ph.D., P.E., Applied Technology & Management