



THE CITY OF KEY WEST  
3140 Flagler Ave, Key West, FL 33040 (305) 809-3792

## EXECUTIVE SUMMARY

**TO:** Jim Scholl, City Manager

**FROM:** Jim Bouquet, Director of Engineering

**CC:** Greg Veliz, Assistant City Manager  
Mark Finigan, Finance Director

**DATE:** September 27, 2017

**SUBJECT:** Rest Beach Stabilization Redesign and Bidding Services Following Hurricane Irma

*APPROVED AS REQUESTED  
JKS  
9/27/17  
27 SEPT 2017*

### ACTION STATEMENT

Approve Tetra Tech Inc. (Tetra Tech) task order proposal in the not-to-exceed amount of \$40,000.00 to provide redesign and rebidding services for Rest Beach Stabilization Project addressing Hurricane Irma related impacts to beach. Approve any necessary budget transfers/amendments.

### BACKGROUND

Under City of Key West (City) Commission Resolution 16-066, Tetra Tech provided planning, engineering, design and permitting to stabilize the sloped shoreline along Rest Beach with a seawall. Construction documents were complete and the project out to bid on September 10, 2017 when Hurricane Irma made landfill at Key West as a Category 1 hurricane. Damage to the beach included erosion of the beach front and upland lands including landscaping and recreational walkways.

The change in topography due to the storm requires a new/updated survey and associated revisions to construction documents reflecting post hurricane conditions. The project will require rebidding and a second pre-bid meeting. At the City's request, Tetra Tech subsequently prepared a fee proposal to provide required additional engineering services.

Not-to-exceed Hurricane Irma related fee as proposed by Tetra Tech is \$40,000.00, including \$4,395.00 for AVIROM to perform an updated topographical survey.

Work will be performed on a time and materials basis in accordance with the Environmental Engineering Services Agreement between Tetra Tech and the City as authorized under Resolution 14-359.

### **PURPOSE AND JUSTIFICATION**

The existing shoreline along Rest Beach experienced significant erosion from Hurricane Irma, resulting in a change in topography and features. These changes rendered the previous construction documents inaccurate. A new survey and redesign will allow project to proceed with current/accurate information and mitigate future change orders. The proposed seawall solution will maximize preservation of upland area for citizen access while ultimately protecting the integrity of Atlantic Boulevard.

### **FINANCING**

The City will issue a purchase order under account #00119105196500/5196500 to Tetra Tech in an amount not to exceed \$40,000.00, under new Project Number HU17010301, established to more accurately document Hurricane Irma recovery expenses.

Staff has reviewed proposed fee and rates and found them commensurate with the required scope of work.

### **RECOMMENDATION**

Staff recommends approving Tetra Tech task order proposal in the amount of \$40,000.00 to provide redesign and bidding services for the Rest Beach stabilization project addressing Hurricane Irma related impacts to beach and approving any necessary budget transfers/amendments.