



THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041 (305) 809-3883

MEMORANDUM

TO: Jim Scholl, City Manager
FROM: Terrence Justice - Engineering
DATE: October 20, 2015
RE: NOAA Seawall Repair – Survey, Design and Permitting

ACTION STATEMENT:

Approving Task Order #3 to TetraTech, Inc. (TetraTech) for Engineering and Design Services associated with the *Seawall Repair and Stabilization Truman Waterfront, NOAA's Dr. Nancy Foster Facility* in the amount of \$46,955.

BACKGROUND:

The existing Truman Waterfront seawall near the National Oceanographic and Atmospheric Administration (NOAA) Dr. Nancy Foster complex and the Truman waterfront boat launch has been undermined due to scouring hydraulic action and has deteriorated due to age.

The City accepted Task Order #1 from TetraTech to provide geotechnical survey, engineering cost estimate, and a proposed design solution for permanent repairs to the deteriorated existing seawall. The resulting deliverable, *Project TR1503 Seawall Repair & Replacement Options*, is attached.

The City subsequently requested and received Task Order #3 from TetraTech to prepare a design, specifications, and "scope of work" documents to be included in a City ITB solicitation package. Supporting work includes a riparian and benthic survey, Army Corps of Engineers (ACOE) and Florida Department of Environmental Protection (FDEP) permit application preparation and submittal. If approved, the services associated with this task order will be in accordance with the Environmental Engineering Services Agreement between TetraTech and the City, as authorized by Resolution 14-359 (attached).

The Scope of Work and deliverables for Task Order #3 are as follows:

Key to the Caribbean - Average yearly temperature 77°

- Conduct a bathymetric and riparian survey from the seawall 100 feet into the basin for the entire length of seawall to be constructed (approximately 350 lineal feet).
- Utilize Ground Penetrating Radar (GPR) and other electromagnetic sensing techniques to locate all existing tie-back structures without excavation.
- Prepare and submit permit applications and drawings for ACOE and FDEP permits.
- Prepare a comprehensive Scope of Work document including construction specifications and drawings for inclusion in a City-prepared Invitation to Bid (ITB) package soliciting contractors to perform the seawall replacement.

Staff has reviewed this proposal and finds that the cited rates and costs are compliant with the Environmental Engineering Services Agreement referenced above. Staff has also reviewed the proposed labor mix and proposed labor hours for the proposed labor categories and find such consistent with the subject task order.

PURPOSE AND JUSTIFICATION:

Approval of Task Order #3 for Truman Waterfront Seawall Repair and Stabilization aligns with elements of these stated goals of the City's Strategic Plan:

- Infrastructure Goal #4 — Long term sustainability of the City's hard assets.
- Government Goal #3 — Cooperative planning efforts among government agencies (City, NAS Key West and NOAA).

FINANCIAL ISSUES

Upon Commission approval, budgeted funds will be allocated from account 101-4303-543-63-00 Project TR1503, for issuance of a Purchase Order to Tetra Tech, Inc. in the amount of \$46,955.

RECOMMENDATION

Staff recommends approval of Task Order #3 to TetraTech, Inc. for engineering and design services associated with the *Seawall Repair and Stabilization Truman Waterfront, NOAA's Dr. Nancy Foster Facility* in the amount of \$46,955.