



## THE CITY OF KEY WEST

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**TO:** Jim Scholl, City Manager

**FROM:** Birchard Ohlinger, Engineering

**CC:** E. David Fernandez, Assistant City Manager  
Doug Bradshaw, Senior Project Manager

**DATE:** 3 October 2011

**SUBJECT:** **Approval of Task Order # 1-12 PORTS to CH2M Hill in the amount of \$111,310 dollars to provide geotechnical exploration studies at five locations within the City of Key West**

### **ACTION STATEMENT:**

This Resolution will approve Task Order #1-12 from CH2M Hill to provide geotechnical studies in support of five projects. The projects in need of these studies are

1. Mallory Square Berthing Dolphin
2. Zero Duval Seawall Replacement
3. Ferry Terminal Dock Extension
4. Floating Docks at City Marina
5. Replacement of Tarpon Pier

The agreement will be executed in pursuant to F.S 287.055 (CCNA), City Code 2-841 and the City's contract with CH2M Hill approved under Resolution #07-331, extended and amended through Resolution 10-287

### **BACKGROUND:**

Five projects within the City of Key West require geotechnical studies to complete their designs. All of the projects are at various stages of design development and are a part of this years budget:

- Mallory Square Berthing Dolphin: Installation of a new mooring dolphin is required to protect the existing T-pier from further damage during berthing of cruise ships
- Zero Duval Seawall Replacement: Existing seawall and storm outfall are in very poor condition and repair/replacement is required.
- Ferry Terminal Dock Extension: This project is to extend the existing ferry terminal by 121 feet and is supported by the Key West Bight Board. Project is a FDOT LAP project.

MEMORANDUM

- Floating Docks in the Key West Bight: Construction of a new 175 foot floating dock with 50 foot finger piers
- Replacement of Tarpon Pier: Replacement of the existing 400 foot fixed pier with a floating dock. Existing pier is in very poor condition and requires replacement.

#### **PURPOSE & JUSTIFICATION:**

Each project requires a geotechnical study as a part of their design and City Staff elected to combine the studies into one project to capture the cost savings of doing only one mobilization of a barge/boring rig and the associated administrative costs. CH2MHill was tasked with this work as they will be designing the Mallory Square Berthing Dolphin and Zero Duval Seawall Replacement. This work is under CH2M Hill's General Utility and Engineering Services Contract and they received bids from three sub-contractors (quotes are attached) to perform these geotechnical studies. The lowest responsible quote was from NUTTING Engineers in the amount of \$92,600 dollars. CH2M Hill has added a 10% contingency to this quote to raise this to \$101,860 dollars. With administrative charges and markup from CH2M Hill, the total not to exceed cost is \$111,310 dollars. This cost is based on the approval of the entire scope of work as presented.

#### **OPTIONS:**

1. City Commission can approve this Task Order and allow CH2M HILL to proceed with the studies
2. City Commission could elect to reject this Task Order and direct City Staff to have the geotechnical studies performed under each separate contract.

#### **FINANCIAL IMPACT:**

Cost of these studies total \$111,310 dollars. The cost of the study will be distributed to the following accounts.

<u>Project Title:</u>	<u>Project Number</u>	<u>Account</u>	<u>Project Budget</u>	<u>Geotechnical Exploration</u>
Mallory Dolphin/Zero Duval:	EN1002	101-1900-519-6300	\$1,200,000	\$44,687
Ferry Terminal Dock Extension	KB1101	405-7506-575-6300	\$ 717,400	\$17,897
Floating Docks at City Marina	KB1201	405-7503-575-6300	\$ 290,000	\$30,812
Tarpon Pier	GB1101	413-7551-575-6300	\$ 800,000	<u>\$17,914</u>
			Total:	\$111,310

#### **RECOMMENDATION:**

City Staff recommends the City Commission select Option 1 and approves Task Order #1-12 Ports from CH2M Hill in the amount of \$111,310 dollars for engineering services to complete the geotechnical studies required by the five projects.