



## THE CITY OF KEY WEST

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MEMORANDUM

**TO:** Jim Scholl, City Manager  
**CC:** Greg Veliz, Assistant City Manager  
**FROM:** John Paul Castro, Utilities Director  
**DATE:** December 14, 2015

**SUBJECT: Requesting Approval of Task Order 5-15 SWR from CH2M Hill Engineers, Inc. for Construction Phase Services for Concrete Repairs at Richard A. Heyman EPF and Fleming Key Bridge in an Amount of \$86,605.00**

**Action Statement:**

This resolution will approve task order 5-15 SWR from CH2M Hill for construction engineering and inspections services pursuant to general services contract 15-208 for the Concrete Repairs at the Richard A. Heyman Environmental Protection Facility and Fleming Key Bridge in an amount not to exceed \$86,605.00

**Background:**

Pile 6 at the Fleming Key Bridge was damaged by a boat impact back in the 1990's. A new pile (Pile 5) was driven outside of Pile 6 to help carry the influent line across the waterway.

The waste water treatment plant was constructed in 1989. The structures are almost all reinforced solid concrete. The plant and its associated structures are in close proximity to bay waters and the Fleming Key Channel. The salt air combined with the wastewater the plant receives and treatment processes undertaken make for a corrosive environment.

The flooding from Hurricane Wilma in 2005 had a significant impact on lower elevation concrete deterioration.

The project for concrete repairs was awarded at the September 17<sup>th</sup> commission meeting.

**Purpose and Justification:**

CH2M Hill engineered and designed the concrete repair documents for the buildings and piling repair. The construction phase services will consist of reviewing submittals for materials (concrete repair products, reinforced steel, etc.), material testing, on-site inspections for proper means and methods, meeting coordination and minutes, record drawings and close out documents.

***Key to the Caribbean – Average yearly temperature 77 ° F.***

There are allowance for technical interpretations of drawings, specifications and contract documents.

City staff has reviewed the task order and believe the proposed scope is appropriate to cover the efforts necessary for the construction phase services of this project. The rates are in accordance with resolution 15-208 plus increases agreed upon September 5, 2014 (attached).

**Financial Impact:**

Funds for the construction phase services will come from account 401-3503-535-6500. There was \$2,325,000 budgeted for the project. Construction cost plus construction phase engineering and inspection will total \$1,750,580.00

**Options:**

1. The City Commission approve the task order from CH2M Hill for construction phase services for the Concrete Repairs at the Richard A. Heyman EPF and Fleming Key Bridge Repair in the amount of \$86,605.00
2. The City Commission could elect to not award the contract leaving staff to approve materials and inspect specialized construction. City staff does not recommend this option as the in house staffing is not adequate for the required tasks.

**Recommendation:**

City staff recommends option 1, approving task order 5-15 SWR from CH2M Hill for construction phase services for the Concrete Repairs at the Richard A. Heyman EPF and Fleming Key Bridge due to the technical specifications and length of the project.