



THE CITY OF KEY WEST

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MEMORANDUM

TO: Jim Scholl, City Manager

CC: Greg Veliz, Assistant City Manager - Operations
Sarah Spurlock, Assistant City Manager - Admin

FROM: John Paul Castro, Utilities Director

DATE: October 19, 2015

SUBJECT: Awarding the Bid for Concrete Repairs at the Richard A. Heyman Environmental Protection Facility and Fleming Key Bridge Piling Repair to Innovative Masonry Restoration, LLC, in the amount of \$1,663,975.00.

Action Statement:

This resolution will award the Concrete Repairs at the Waste Water Treatment Plant and Fleming Key Bridge Piling Repair to Innovative Masonry Restoration, LLC, in the total amount of \$1,663,975.00

Background:

The invitation to bid consisted of both SE1002, Fleming Key Bridge Piling Repair and SE1401, Concrete Repairs at the WWTP. The projects were combined to streamline the bid process, decreased mobilization costs due to physical proximity of the work, and both projects are partially funded by the same Mayfield Grant.

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.

Purpose and Justification:

There are various locations at the plant that are suffering concrete spalling and delamination. The areas include the solids building, the utilidor, the clarifiers, and sections of the aeration basins. The repairs range from minor surface spalling to

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

columns, which if left untreated, have the potential to fail completely. Some of the structures are currently being shored for stability.

The Fleming Key Bridge influent lines are held up by their own piling system, separate of the bridge structure. When piling 6 was damaged by a vessel impact the immediate fix was to drive another piling on the outside and extend the pile cap. Since the additional pile installation the damaged pile has continued eroding. Repairing the pile will give extra strength to this critical infrastructure and stop deterioration which will eventually lead to collapse.

The projects were designed by CH2M Hill and bid together, the City received 4 responses:

1. D.N. Higgins, Inc.	\$1,811,073.80
2. Innovative Masonry Restoration, LLC	\$1,663,975.00
3. Pedro Falcon Electrical Contractors, Inc.	\$2,162,963.25
4. Structural Preservation Systems, LLC	\$2,225,437.00

Innovative Masonry Restoration, LLC submitted the lowest responsive responsible bid. They have adequate experience in similar concrete repair projects and the City received excellent reviews from their references. The contractor did not, however, submit any projects this large in scope. The largest project referenced was one million dollars. While the City's project is slightly larger than those projects listed by the contractor they have proven to be capable at completing similar concrete rehabilitations. A letter of recommendation from the engineer, CH2M Hill, is attached. The project requires a performance bond.

Financial Impact:

Project SE 1002, Fleming Key Bridge Pile Repair, has a budget balance of \$325,193.00 of which \$284,574.00 is funded by grant. Project SE 1401, Concrete Repairs at WWTP, has a budget balance of \$2,757,440.00 of which \$1,348,012.00 is grant funded.

The project total will come from account 401-3503-535-6500 in the amount of \$1,663,975.00. Grant funds for the project total \$1,632,586.00. The \$31,389.00 balance after grant contributions will be paid 77% by the City and 23% by the Navy. If all quantities are paid in full the City share will be \$24,169.53.

Options:

1. The City Commission award and authorize the City Manager to execute the contract with the low bidder, Innovative Masonry Restoration, LLC, for the Concrete Repairs at the WWTP and Fleming Key Bridge Piling Repair, in the amount of \$1,663,975.00 in conformity with the bid documents upon the advice and consent of the City Attorney.
2. The City Commission could elect to not award the contract. City staff does not recommend this option, the situation will only worsen with time.

Recommendation:

City staff recommends the City Commission select Option 1; approve award of the lowest, responsive, responsible bid of \$1,663,975.00 from Innovative Masonry Restoration, LLC and authorize the City Manager to execute the contract.