



THE CITY OF KEY WEST

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MEMORANDUM

EXECUTIVE SUMMARY

TO: Jim Scholl, City Manager
E. David Fernandez, Asst. City Manager – Operations

FROM: Jay Gewin, Utilities Manager

DATE: September 13, 2011

RE: **Approval of Task Order # 11-11-STM from CH2M Hill in the Amount of \$69,894 for Engineering Services for the Re-design, Permitting, and Bid Phase Services for the Stormwater Pump Station and Outfall System for the George St. Drainage Area.**

ACTION STATEMENT:

This resolution will approve Task Order # 11-11-STM from CH2M Hill in the Amount of \$69,894 for Engineering Services for the Re-Design, Permitting, and Bid Phase Services for the Stormwater Pump Station and Outfall System for the George St. Drainage Area.

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

BACKGROUND:

The George St. Pump Assisted Well and Outfall project will have a tremendous benefit for this neighborhood situated in one of the lowest-elevation areas in our city which has suffered through repeated flooding episodes in the past, particularly during the devastating hurricane season of 2005. The City had a very good public meeting with the residents of this neighborhood to discuss the project and received their support for moving forward on construction.

The project consists of the construction of two pump-assisted wells located at Catherine and Ashby St., an elevated generator platform, and an emergency outfall pipeline running from the wells to the retention pond located off of Jose

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

Marti Dr. between the Police Station and Bayview Park.

The original route designed and permitted for the outfall pipeline on the project would cross a field through a proposed easement at Horace O'Bryant Middle School, and traverse between the Middle School and Key West Police Station before emptying into the stormwater retention pond at Jose Marti Blvd. However, this planned pipeline route was rendered unfeasible after site plan changes were implemented to the Horace O'Bryant Middle School construction project. The site plan changes included expanding the footprint of some buildings, such that there was no longer enough room to construct and maintain a pipeline at this location.

The City will therefore need to re-route the pipeline down Catherine St., before turning on the City's right-of-way on Leon St. in the Horace O'Bryant Middle School parking lot, before eventually emptying into the Jose Marti pond. The re-design of this pipeline is necessary to proceed with the project.

CH2M Hill was awarded a task order from the City Commission for the original design of this project on April 8, 2009 in the amount of \$311,821 (resolution 09-082).

PURPOSE AND JUSTIFICATION

The George Street Pump Station and Outfall Project design involves many technical components that require the work of engineers, and other specialty personnel to perform field survey and geotechnical work. This task order will include a re-design of the emergency outfall pipeline, permitting, and bid phase services.

The scope of work within the task order includes the following:

- *Re-design of Outfall Pipeline* – This task will include field survey and geotechnical work, and the design of the outfall pipeline down Catherine St. and Leon St. before the pipeline empties into the Jose Marti retention pond. Also included is re-designing the generator platform on a school board easement, and an updated FEMA benefit-cost analysis report (required for Phase II construction grant funding).
- *Permitting* – CH2M Hill will coordinate permitting efforts with the South Florida Water Management District and the US Army Corps of Engineers. These include an Environmental Resource Permit, Dewatering Permit, and Construction Permit.
- *Bid Phase Services* – CH2M Hill will complete plans so that they can be uploaded for bidding, answer technical questions from prospective bidders, lead the mandatory pre-bid meeting, draft addenda as needed, and will review and evaluate bids for compliance.

The City or OMI does not have the staff available with the technical expertise required to perform this work independently. Staff has reviewed this submittal and found it consistent with the hourly rates established in the City's contract extension with CH2M Hill.

Further, Staff does not feel that the hours that will be billed under this task order are disproportionately allotted to higher-wage management staff. In fact, the Principal Project Manager/Technologist, and Senior Project Manager combined only account for approximately 11.1% of the hours allotted in this task order.

The task order also includes CH2M Hill staff's trips to Key West over the course of the project. City staff feels that this number of trips, and the associated costs, are reasonable to assure that the consultant staff has sufficient oversight for the completion of the project.

OPTIONS / ADVANTAGES / DISADVANTAGES:

1. The City Commission can award the task order to CH2M Hill and proceed with the George St. Pump Station and Outfall Project re-design on a timely basis. The consultant has successful experience working with the City on other projects of a similar technical nature, and has very capable staff to ensure successful design. This option is recommended by City Staff, as the neither City nor OMI have the staff available with the ability to perform the scope of work included in this task order. It will also allow the City to proceed with construction of the project, which will have significant benefits to a neighborhood that suffers from repeated flooding.
2. The City Commission can decline the task order from CH2M Hill. This option is not recommended by Staff, as the City will be unable to proceed with the George St. Pump-Assisted Well and Emergency Outfall project unless the outfall pipeline is redesigned down Catherine St. We would lose grant funding as the 75% of project costs funded by FEMA towards the construction of the project would be lost.

FINANCIAL IMPACT:

Costs for this re-design work total \$69,894 and are budgeted in account # 402-3802-538-65/ST0802. The City will apply for a 75% of these costs from FEMA in the amount of \$52,488 as a part of Phase II construction funding. It is uncertain at this point whether the City will receive the grant match.

RECOMMENDATION:

Staff recommends that the City Commission select option 1, approving task order 11-11-STM from CH2M Hill in the amount of \$69,894 for Engineering Services for the re-design of the emergency outfall for the George St. Stormwater Pump Station and Outfall project.