



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: May 18, 2012

RE: **Approval of a Task Order 11-008 from Perez Engineering and Development in the Amount of \$71,100 for Construction Administration Services for the Stormwater Pump Station and Outfall System for George St. Drainage Area**

ACTION STATEMENT:

This resolution will approve task order 11-008 from Perez Engineering and Development in the amount of \$71,100 for construction administration 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 Perez Engineering approved by Resolution # 07-332 and extended and amended through Resolution 10-294.

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. We will have another public meeting after the construction contract is awarded.

The project consists of the construction of two pump-assisted wells located at Catherine and Ashby St., an elevated generator platform that will be located within this easement, and an emergency outfall pipeline running from the wells

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

down Catherine St., through the City right-of-way in the Horace O'Bryant Middle School parking lot, and ending at the retention pond located off of Jose Marti Dr. between the Police Station and Bayview Park.

A key component of this stormwater pump station project is the elevated generator platform. This is important because it will house a generator above flood plain elevation so the pump station can remain operational during an extended power outage. Additionally, the control panel for the pumps will be mounted on top of the platform so it also can be elevated.

The actual stormwater pumps will be located below ground in the street at the northern dead-end of Ashby St. next to Horace O'Bryant Middle School. This is a very short section of roadway that includes just two homes, one on either side of the road, with each having its own driveway on Ashby St. The fence to the middle school is at the north end of this street.

The City has received an easement from the Monroe County School District on Horace O'Bryant Middle School property for the generator platform and control panel to be situated. (Resolution # 12-126)

FEMA will be funding 75% of the construction and construction engineering costs of this project.

PURPOSE AND JUSTIFICATION

The George St. Stormwater Pump Station and Emergency Outfall Project involves many civil construction components that require the assistance of an engineer and an on-site project manager, as has been done for all City projects of this scale historically. This task order will include project management, engineering services to review RFI, RFQ's and project correspondence, and field services to monitor the progress and performance of construction that will make sure the project drawings and terms of the construction contract are followed.

Perez Engineering will provide construction administration services for the emergency outfall portion of the George St. stormwater project. They have significant experience providing similar services for numerous City projects including sewer force main, stormwater gravity well, and stormwater pump station projects.

The scope of work within the task order includes the following Construction Administration Tasks:

- *Contract Administration* – Perez Engineering will provide administration of the contract for construction, and will advise and consult with the City during construction. They will also provide certification to the City of satisfactory completion of all phases of work in compliance with the plans. Perez Engineering shall recommend disapproval or rejection of contractor's work that does not conform to the contract documents.
- *Review of Contractor Pay Requests* – Perez Engineering will review and certify the contractor's applications for payment based on evaluations, observation, and verification of quantities working with the City's own field inspectors.
- *Review of Shop Drawings and Other Materials* – Perez Engineering will review shop drawings and product data for the outfall pipeline products to determine conformance

with the design documents.

- *Construction Change Directives* – Perez Engineering will prepare construction change directives as needed in consultation with the City.
- *Final Inspections and Start-Up* – Perez Engineering will prepare a punch-list, substantial and final completion inspection for the pipeline portion of the project.

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 new hourly rates established in the City’s contract extension with Perez Engineering and Development.

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 and Design Engineer combined only account for approximately 13.9% of the hours allotted in this task order. Perez Engineering is a local firm, therefore there will be no travel expenses required within their task order.

The City plans to utilize CH2M Hill for additional project construction engineering services relating to the platform, generator, pump station, and other components.

OPTIONS / ADVANTAGES / DISADVANTAGES:

1. The City Commission can award the task order to Perez Engineering and proceed with the George St. Stormwater Pump Station and Emergency Outfall Project on a timely basis. The contractor has successful experience working with the City on other projects of a similar nature, and has very capable staff to ensure successful project completion. 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.
2. The City Commission can decline the task order from Perez Engineering. This option is not recommended by Staff, as the City will not be able to utilize the construction administration services that are essential in completing the project. City Staff believes that Perez Engineering is the firm that can best manage the emergency outfall portion of the George St Drainage Project of the engineering firms we have under contract.

FINANCIAL IMPACT:

FEMA will be covering 75% of the construction costs of this project. The funding breakdown for this task order for Perez Engineering would be as follows:

City Share (25% of Costs/Acct. # 402-3802-538-65/ST0802)	\$17,775.00
<u>FEMA share (75% of Costs).....</u>	<u>\$53,325.00</u>
TOTAL.....	\$71,100.00

The total project costs for the George St. Stormwater Pump Station and Outfall Project Phase II funding are as follows:

Wharton-Smith Bid for Construction.....	\$3,242,000.00*
CH2M Hill Construction Engineering.....	\$254,274.00
Perez Engineering Construction Engineering.....	\$71,100.00
<u>Re-design of Outfall Pipeline (already completed).....</u>	<u>\$69,894.00</u>
TOTAL	\$3,637,268.00

City Share(25% of Non-Contingency Costs/Acct. # 402-3802-538-65/ST0802)	\$1,059,317.00*
<u>FEMA share (75% of Costs).....</u>	<u>\$2,577,951.00</u>
TOTAL.....	\$3,637,268.00

**Includes a \$200,000 contingency allowance during construction which can be submitted to FEMA for possible 75% funding at conclusion of project.*

These figures are within the \$4.1 million total the City has budgeted for the project.

RECOMMENDATION:

Staff recommends that the City Commission select option 1, approving task order 11-008 from Perez Engineering and Development in the amount of \$71,100 for construction administration services for the stormwater pump station and outfall system for the George St. Drainage Area.