



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 21, 2012

RE: **Acceptance and Execution of a Contract with the Florida Division of Emergency Management for \$2,577,951.00 (25% match) Phase II FEMA funding for the George Street Drainage Project. Amending the FY 2012 Stormwater Budget to Accept the Grant.**

ACTION STATEMENT:

This resolution will accept and authorize the execution of a grant agreement with the Florida Division of Emergency Management (FDEM) to accept a \$2,577,951.00 FEMA grant that requires a 25% match (\$2,577,951.00 FEMA / \$859,317.00 City of Key West) for the construction of the George Street Drainage Project, Phase II.

This resolution will also amend the FY 2012 stormwater budget to reflect our acceptance of the grant.

BACKGROUND:

Phase I FEMA funding was approved with Resolution 09-006 on January 6, 2009, which provided funding for the design of a pump assisted stormwater system to reduce flooding in the George Street drainage basin.

With the approval of Task Order 2-09STM (Resolution 09-082, April 7, 2009), CH2M Hill designed a pump-assisted outfall system for the George Street basin area. This design was reviewed and approved by FEMA resulting in the obligation of Phase II funding for the construction of the approved project.

There are multiple low lying areas within the existing gravity drainage system that flood during rain events. The pump station would alleviate flooding during

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

these rain events. The pump station would be connected to the existing storm water gravity system and would operate when stormwater reaches a predetermined elevation in the existing gravity system. The new storm water pump station includes an upstream sediment removal structure, a permanent stand-by generator elevated above the 100 year flood elevation, two (2) 120 foot injection wells and an emergency outfall system consisting of a force main and outfall.

During the design of the project the City and Monroe County School District (MCSD) met to discuss the installation of the emergency force main being routed through the Horace O'Bryant (HOB) school property as well as constructing the generator within the school property. Due to changes in the design and construction of the HOB" project, the force main could no longer be routed through the school property. Instead, an alternate route of the 30" emergency outfall pipe will be installed along Catherine Street, through the existing Leon Street easement and connecting to the outfall that has been previously designed and permitted. Additionally, the City obtained an easement from MCSD to install the generator inside HOB property at the end of Ashby Street.

PURPOSE AND JUSTIFICATION

With Phase I design now complete, FEMA has approved Phase II funding for construction. The George Street project will provide protection against a 50 year rain event for 50 years for approximately 75 homes. The benefit-to-cost ratio is over 2.0 saving the taxpayer over \$10,000,000 for an estimated \$4,000,000 lifecycle cost (including maintenance).

The City of Key West's Stormwater fund is heavily grant-dependent. The fund has been very aggressive and successful at pursuing state and federal grants over time, and many of our improvements would not be possible without grant assistance.

OPTIONS / ADVANTAGES / DISADVANTAGES:

1. The City Commission can accept the grant and proceed with the proposed project. Without the grant, the proposed project cannot be accomplished with available resources unless other projects are set aside. If the grant is accepted, the George Street Drainage Project can be constructed and approximately 75 homes will be provided protection against flooding.
2. The City Commission can reject the grant. With this option, the George Street Drainage project will not be constructed and no protection against flooding provided.

FINANCIAL IMPACT:

Funds would be deposited into the Stormwater fund revenue account 402-0000-334-36.

The project cost associated with the City's matching share of this grant is budgeted in expense account 402-3802-538-31-00 / ST0802.

RECOMMENDATION:

Staff recommends that the City Commission select option 1, accepting the \$2,577,951.00 FEMA grant from the Florida Division of Emergency Management.

JG/cds