



THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3700

MEMORANDUM

EXECUTIVE SUMMARY

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

FROM: Jay Gewin, Utilities Manager

DATE: February 24, 2011

RE: **Acceptance and Execution of Contract No. 11HM-3B-11-54-02-002 with the Florida Division of Emergency Management for \$730,490 (25% match) Phase II FEMA funding for Patricia/Ashby Street Drainage Project. Amending the FY 2011 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 \$730,490 FEMA grant that requires a 25% match (\$730,490 FEMA / \$243,496 City of Key West) for the construction of the Patricia/Ashby Street Drainage Project (Contract number 11HM-3B-11-54-02-002), Phase II.

This resolution will also amend the FY 2011 stormwater budget to reflect our acceptance of the grant.

BACKGROUND:

Phase I FEMA funding was approved with Resolution 08-323 on December 2, 2008, which provided funding for the design of a pump assisted stormwater system to reduce flooding on Ashby Street and other areas of the Kamien Subdivision.

With the approval of Task Order 1-09STM (Resolution 09-083, April 7, 2009), CH2M Hill designed a pump-assisted outfall system for the intersection of Patricia and Ashby Streets. This design was reviewed and approved by FEMA resulting in the obligation of Phase II funding for the construction of the

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

approved project. The Patricia/Ashby project is designed to pump water from the existing well pump station to the ocean out-falling at the end of Bertha Street eliminating the need for bypass pumping during hurricane storm surge events. The project also includes a generator that will be installed on site and available for immediate use as opposed to one being brought on site as it currently is.

PURPOSE AND JUSTIFICATION

With Phase I design now complete, FEMA has approved Phase II funding for construction. The Patricia/Ashby Drainage Project will provide protection against a 25 year rain event for 50 years for approximately 30 homes. The benefit-to-cost ratio is over 2.0 saving the taxpayer an estimated \$4,000,000 for a \$2,000,000 lifecycle cost (including maintenance). Adjacent neighborhoods will also benefit from this project. Improved drainage in this Patricia/Ashby basin will help lessen the duration of flooding in some of the surrounding areas.

The project entails the construction of an emergency discharge to the Atlantic Ocean consisting of a pipeline that will connect the existing Patricia and Ashby Pump Station and terminate at a new outfall structure at the end of Bertha St. A generator and elevated concrete platform will be located at the Ashby St./Patricia St. site. All stormwater will be treated with existing vortex sediment separator prior to discharging to the outfall.

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 Patricia/Ashby Drainage Project can be constructed and approximately 30 homes will be provided protection against flooding.
2. The City Commission can reject the grant. With this option, the Patricia/Ashby Drainage project will not be constructed and no new protection against flooding provided.

FINANCIAL IMPACT:

The grants funds were not included in the City's FY 2011 budget. Funds would be deposited into the Stormwater fund revenue account 402-0000-331-5001.

The project cost associated with the City's matching share of this grant is budgeted in expense account 402-3802-538-65/ST0803 in years FY 2012 and FY 2013. We would need to process a budget transfer when we award of the contract after bidding in order to proceed with the construction of the project. The City share would be transferred from Stormwater Fund reserves.

RECOMMENDATION:

Staff recommends that the City Commission select option 1, accepting the \$730,490 FEMA grant from the Florida Division of Emergency Management.

JG/cds