



THE CITY OF KEY WEST

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EXECUTIVE SUMMARY

TO: Gregory W. Veliz, City Manager
Patti McLaughlin, Asst. City Manager

FROM: John Paul Castro, Utilities Director

DATE: January 4th, 2021

SUBJECT: Approving a General Engineering Task Order from Perez Engineering and Development, Inc. for the Design of Stormwater Improvements at Harris Avenue and 10th Street

Action Statement:

This is a request to approve a task order Perez Engineering and Development, Inc. for drainage improvements at Harris Ave. and 10th St. pursuant general engineering consulting resolution 17-207, extended by resolution 20-142, in the amount of \$445,410.00

Background:

In 2012 the city utilities department established the stormwater master plan. This plan took flood modeling across the city and used the data to create drainage projects to alleviate flooding. The projects were ranked by effectiveness and given projected costs.

Harris Ave. and 10th St. is a low laying area in mid-town that was high on the list of worthwhile drainage projects. After hurricane Irma, city staff applied for federal and state mandated grant programs for flood mitigation. The subject project ranked high enough to be awarded Phase I HMGP grant funding for design.

Purpose and Justification:

The project concept is to install at least 4 new stormwater inlets at the intersection of Harris Ave. and 10th St. that will outfall into the neighboring salt pond. Due to the low elevation of the street there will need to be a significant retaining wall built along the pond to keep tide water separate of stormwater. The outfall pipe will also need to include a tide valve.

Perez Engineering is the engineer for the City's tide valve project. Their staff has direct knowledge and experience with the tide's of the city's interior waterways, the

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

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needs of the storm system in conjunction with the tide levels, and has months of detailed data for the area. Due to the direct experience and data in hand Perez Engineering was chosen for the design.

The Phase I design grant was awarded for \$662,450 with a 75% federal match giving a maximum federal contribution for design of \$496,838.

Staff has reviewed the tasks and level of effort proposed by the engineer and considers the proposal fair and reasonable.

Financial Impact:

The funds for project ST38022102 are in account Utilities/Stormwater/Construction/Construction In Progress 402-3802-538-6500.

Recommendation:

Staff recommends approving the task order from Perez Engineering and Development, Inc. for the design of Harris Ave and 10th St. Stormwater improvements in the amount of \$445,410.00