



THE CITY OF KEY WEST
Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3700

EXECUTIVE SUMMARY

Date: October 17, 2022

To: Patti McLauchlin, City Manager

From: Gary J. Volenec, P.E., Interim Engineering Director

Cc: Christina Bervaldi, Finance Director
Todd Stoughton, Assistant City Manager

Subject: Award of Task Order to CH2M Hill Engineers, Inc.
Pavement Rehabilitation Program

Action Statement

Authorize the City Manager to execute a task order to CH2M Hill Engineers, Inc. in the amount of \$83,934 to assist the City in development of the Pavement Rehabilitation Program approach, including establishing a pilot project, and creating bid documents. Approve any necessary budget transfers.

Background

City staff has requested a Task Order from CH2M Hill Engineers, Inc. (CH2M) to assist the CITY in development of a pilot project and establishing the foundation for a citywide pavement rehabilitation program focused on early life cycle techniques to extend pavement life such as Crack Sealing, Micro Surfacing, Hot In-Place Recycling and other possible methods.

Using the Pavement Management Analysis Report (PMAR) completed October 2019, the City of Key West (CITY) is taking a systematic approach to roadway and right-of-way improvements. As detailed in the 2019 PMAR, agencies cannot efficiently fund pavement rehabilitation if the program is focused only on the lowest rated streets. The preferred basis of rehabilitation is to capture roadway segments in their need year as estimated based on the incremental cost of rehabilitation deferral. This approach maximizes each dollar spent by avoiding costly rehabilitation.

Purpose and Justification

The CITY has requested that the CONSULTANT develop and document the program approach, establish a pilot project, and create bid documents. Specific activities to be performed under this Task Order include:

Update the 2019 Pavement Condition Index (PCI) values to reflect projects implemented since 2019 (using deterioration rates), and revise the Exhibit of City Roads with the color-coded PCI ratings

Research Contractor parameters and identify and compile capabilities, costs, and experience including proof projects

Identify a Pilot Project with a scope of one or more pilot projects implementing at least two rehabilitation techniques that meet CITY approval as to project function, size and cost.

Prepare Design Bid Documents to obtain competitive bids for the pilot project(s). This work effort will establish the foundation for a future multi-year contract to provide pavement rehabilitation using similar strategies at a variety of City locations.

CH2M has provided excellent client service and been a valued partner in the recent improvements including Duval Street, Whitehead Street, Front Street and United Street. A key basis for staff's recommendation on issuing a task order with CH2M is their adherence to schedule and fair pricing.

CH2M has an existing contract for General Engineering Services per Resolution 17-207 and extended for a two (2) year period per Resolution 20-142. This contract was further extended until December 31, 2022, per Resolution 22-171.

The project supports the 2021-24 Key West Strategic Plan: Priority 3: ROADS AND SIDEWALKS, GOAL 2: PREVENTATIVE MAINTENANCE, Actions 1. Micro-sealing, 2. Seal Coat Local Roads, and 3. Pilot Test Crack Sealing in Streets.

Financial Issues

The design will be funded from Account 102-4102-541-6300 (Internal Improvements/Gas Tax), Project II41022202. Upon execution, staff will issue a Purchase Order to CH2M in the amount of \$83,934.

Recommendation

Staff recommends authorizing the City Manager to execute a task order with CH2M Hill Engineers, Inc. in the amount of \$83,934 for the development of the Pavement Rehabilitation Program. Approve any necessary budget transfers.