



THE CITY OF KEY WEST

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EXECUTIVE SUMMARY

Date: February 14, 2019

To: Jim Scholl, City Manager

From: Kelly Crowe, P.E., City Engineer

Cc: Greg Veliz, Assistant City Manager
Mark Finigan, Finance Director

Subject: Design Task Order
2019 Pavement Management and Assessment Report

Action Statement

Authorize City Manager approval of a Design Task Order to CH2M Hill Engineers, Inc. in the amount of \$98,794.08 for the 2019 Pavement Management and Assessment Report. Approve any necessary budget transfers.

Background

Pavement condition assessments are an important tool in developing and implementing comprehensive pavement management plans. Condition assessments determine overall the Pavement Condition Index (PCI), areas of distress, modes of failure and help delineate road segments that require only preventative maintenance versus road segments that require more extensive and costly rehabilitation. The last pavement condition assessment was performed for the City of Key West in 2012. Pavement condition assessments are typically performed every 5 years on average, therefore an updated condition assessment is warranted.

The proposed task order will include an updated assessment report that will be comprised of a comprehensive condition assessment of all the roadway segments within the City of Key West right of way. The report will also include budgetary analysis that indicates overall future pavement condition based on different levels of funding.

The assessment and budgetary analysis will lay the foundation for developing a 5-year pavement management plan. The pavement management plan is included in the

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task order and will outline roadways to be resurfaced within each fiscal year based anticipated budgets. The plan will also outline opportunities to apply preventative maintenance techniques which extend the life of existing pavement at a much lower cost than mill and pave projects. The combination of implementing preventative maintenance along with mill and pave projects will allow the city to realize improved budget efficiency with respect to pavement resurfacing projects. Furthermore, a multi-year plan will allow staff to coordinate future work efforts with local utilities and minimize the occurrences of trench cuts within city streets.

CH2M Hill was requested by the City to prepare a proposal for design services in accordance with their General Engineering Services Agreement with the City (Resolution 17-207). CH2M Hill's proposed fee breakdown is as follows:

CH2M Hill Labor	\$ 40,394.08
Subconsultant Labor ¹	\$ 55,000.00
Expenses	\$ 3,400.00
Total Fee	\$ 98,794.08

Note:

1. Approximately \$18,000 of the subconsultant fee is included as an optional task for evaluating the roadway's structural condition. Staff will evaluate the quality and applicability of the information prior to exercising this option.

Purpose and Justification

This project supports the Key West Strategic Plan including meeting Infrastructure Goal #1, *A transportation system which is aesthetically attractive, functional, efficient, safer and environmental sensitive.*

Financial Issues

Funds for the 2019 Pavement Management and Assessment Report will be transferred from Internal Improvements (Gas Tax)/ Streets / Professional Services 102-4102-541-6300 Project Number II41021802 to Internal Improvements (Gas Tax)/ Streets / Professional Services 102-4102-541-3100. Upon approval, a purchase order will be issued to CH2M Hill for the not-to-exceed fee of \$ 98,794.08.

Recommendation

Staff recommends authorizing City Manager approval of a Design Task Order to CH2M Hill in the amount of \$98,794.08 for the 2019 Pavement Management and Assessment Report and approving any necessary budget transfers.

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