



THE CITY OF KEY WEST

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

MEMORANDUM

EXECUTIVE SUMMARY

TO: Bogdan Vitas, City Manager
E. David Fernandez, Asst. City Manager - Operations

FROM: Jay Gewin, Utilities Manager

DATE: November 4, 2013

RE: **Approval of a Deductive Change Order for Task Order 4-12-SWR from CH2M Hill in the Amount of \$30,328 for Engineering Services for the Design, Permitting, and Bid Phase Services for the Fleming Key Bridge Pipe Support and Piling Repairs.**

ACTION STATEMENT:

This resolution will approve a deductive change order for task order 4-12-SWR from CH2M Hill in the amount of \$30,328 for engineering services for the design, permitting and bid phase services for the Fleming Key Bridge pipe support and piling repairs.

The agreement was executed pursuant to F.S. 287.055 (CCNA), City Code 2-841, and the City's contract with CH2M Hill approved by Resolution # 07-331 and extended and amended through Resolution 10-287.

BACKGROUND:

The City of Key West maintains a bridge that carries our inflow sewer pipeline to the Wastewater Treatment Plant (WWTP) on Fleming Key. It runs parallel alongside the US Navy vehicle bridge over the Fleming Key cut with connects Garrison Bight and the Key West Harbor shipping channel.

All wastewater that enters our WWTP travels over the bridge through this pipeline. It is therefore critical that the City maintains our pipeline bridge to sustain operation of our wastewater collection system. Additionally, if the City were to ever initiate a wastewater reuse program, we would have to ensure the sewer bridge would have to be strong enough to carry an additional 18 inch pipeline.

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



The City of Key West Sewer Bridge is the two pilings and concrete support for the two pipes on the left of the picture. It sits immediately adjacent to the Navy's roadway bridge to Fleming Key

City Commission Resolution 12-167 authorized a Task Order for CH2M Hill to perform engineering services that analyzed the condition of the bridge pilings, and included permitting and bid documents for the work in the amount of \$115,754.

PURPOSE AND JUSTIFICATION

When CH2M Hill performed an analysis of the pilings, they appeared to be mostly in good condition. A 2003 report from a different contractor had indicated the pilings were in deteriorating condition, however this more comprehensive report from CH2M Hill found that only one piling was in need of repair.

Due to the smaller scope of the repair project for the bridge, City Staff has decided that the bridge repair can be combined with the wastewater treatment plant concrete repair project that was included in the FY 2014 sewer capital improvement plan. A combined bid would save on mobilization costs.

With less damage to the pilings, the City negotiated a decreased design cost for the task order with CH2M Hill. Bid Phase services were also removed from this task order. The original task order was for \$115,754. This deductive change order will lower this amount by \$30,328.00

OPTIONS / ADVANTAGES / DISADVANTAGES:

1. The City Commission can approve the deductive change order to the task order from CH2M Hill for the Fleming Key Bridge repair project. This will provide the City with a savings of \$30,328 from the amount of the original task order.
2. The City Commission can decline the deductive change order to the task order from CH2M Hill. This option is not recommended by Staff, as the City will not be able to achieve the \$30,328 savings for having the contractor perform less work for the project.

FINANCIAL IMPACT:

The Fleming Key Bridge repair project cost is budgeted in expense account 401-3503-535-65-00/SE1002. The City has budgeted \$415,754 for this project as approved in this years' FY 2014 budget.

The reductions in the task order are as follows:

Position	Hourly Wage	Original Hours	New Hours	Original Amount	Revised Amount	Deductive Change
Principal	\$172.00	36	20	\$6,192.00	\$3,440.00	\$2,752.00
Senior Tech	\$158.00	16	12	\$2,528.00	\$1,896.00	\$632.00
Senior Prof.	\$148.00	40	36	\$5,920.00	\$5,328.00	\$592.00
Assoc Engineer	\$110.00	124	64	\$13,640.00	\$7,040.00	\$6,600.00
Tech 5	\$103.00	16	16	\$1,648.00	\$1,648.00	\$0.00
Tech 4	\$93.00	96	48	\$8,928.00	\$4,464.00	\$4,464.00
Tech Editor	\$84.00	40	20	\$3,360.00	\$1,680.00	\$1,680.00
Sr. Proj Asst.	\$63.00	18	14	\$1,134.00	\$882.00	\$252.00
Clerical	\$55.00	8	8	\$440.00	\$440.00	\$0.00
Travel				\$950.00	\$0.00	\$950.00
Printing				\$600.00	\$600.00	\$0.00
DESIGN PHASE TOTAL		394	238	\$45,340.00	\$27,418.00	\$17,922.00
Bid Phase Services		100	0	\$12,406.00	\$0.00	\$12,406.00
TOTAL DEDUCTIVE CHANGE						\$30,328.00

RECOMMENDATION:

Staff recommends that the City Commission select option 1, approving the deductive change order for task order 4-12-SWR from CH2M Hill in the amount of \$30,328 for the engineering services for the analysis, design, permitting and bid phase services for the Fleming Key Bridge pipe support and piling repairs.