

TASK ORDER 5-15 SWR

ENGINEERING SERVICES FOR CONSTRUCTION PHASE SERVICES FOR
CONCRETE REPAIRS AT RICHARD A. HEYMAN EPF AND FLEMING KEY BRIDGE

This TASK ORDER 5-15 SWR is issued under the terms and conditions of the MASTER AGREEMENT TO FURNISH GENERAL ENGINEERING SERVICES TO THE CITY OF KEY WEST ("AGREEMENT") between the City of Key West ("CITY") and CH2M HILL Engineers, Inc. ("CONSULTANT") executed on November 19, 2012, which is incorporated herein by this reference.

A. SCOPE OF SERVICES

Specific services which the CONSULTANT agrees to furnish are summarized on the attached statement entitled TASK ORDER NO. 5-15 SWR, "SCOPE OF SERVICES." The "Scope of Services" defines the work effort anticipated for the Task Order.

This Task Order, when executed, shall be incorporated in and shall become an integral part of the November 19, 2012, Master Agreement.

B. TIME OF COMPLETION

Work under this Task Order will begin immediately following acceptance and completed expeditiously subject to coordination with the City of Key West staff. Work may be performed at any time as requested by the CITY within 11 months after the date of execution of this Task Order, at which time the Task Order will expire.

C. COMPENSATION

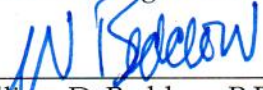
Compensation for the labor portions of Tasks A and all expenses will be on a Cost Reimbursable-Per Diem basis as stipulated in Article 5, Paragraph 5.1.2 of the AGREEMENT. The estimated compensation is shown on the attached statement entitled TASK ORDER NO. 5-15 SWR COMPENSATION.

D. ACCEPTANCE


By signature, the parties each accept the provisions of this TASK ORDER NO. 5-15 SWR, and authorize the CONSULTANT to proceed at the direction of the CITY's representative in accordance with the "SCOPE OF SERVICES." Start date for this project will be no later than ten (10) days after execution of this authorization.

For CH2M HILL Engineers, Inc.

For CITY OF KEY WEST

By: 
William D. Beddow, P.E.
Vice President

By: _____
Jim Scholl
City Manager


Sean McCoy, P.E.
Key West Project Manager

Dated the ____ day of _____, 20__

ATTEST: _____

TASK ORDER 5-15 SWR

ENGINEERING SERVICES FOR CONSTRUCTION PHASE SERVICES FOR CONCRETE REPAIRS AT RICHARD A. HEYMAN EPF AND FLEMING KEY BRIDGE

SCOPE OF SERVICES

Project Description

In 2010, during the design and construction of the Headworks Modifications for the Richard A. Heyman Environmental Protection Facility (WWTP) a preliminary field inspection was conducted of the entire facility to identify areas where the concrete had failed and/or was failing. This inspection identified areas that needed concrete repairs to prolong the life of the facility. Since 2010 additional areas within the WWTP have begun fail, with one area in particular, severe enough to close the area due to the potential for overhead injuries from falling concrete.

The City of Key West (the City) was planning on implementing the recommendations of the 2003 Seamar Divers, Inc. Report, to repair the damaged precast concrete pilings, which support the primary influent piping which conveys sewage to the Richard A. Heyman Environmental Protection Facility (Wastewater Treatment Plant). The Seamar Report recommended that all of the existing support piling be repaired by encapsulating each piling to prevent further deterioration, increase structural integrity, and provide less resistance to the tidal currents.

The City requested the CONSULTANT provide engineering services for the design, permitting and bid phase services for the proposed improvements to Fleming Key Bridge Piling. Upon completion of Task A "Preparation of the Preliminary Design Memorandum" which included an updated underwater inspection, the CONSULTANT submitted a Preliminary Design Memorandum (PDM) titled "Fleming Key Bridge Pipe Support Piling Repairs" dated December 6, 2012. The PDM determined that only one pile (Pile #6) is in serious condition and needs to be repaired. All remaining piles were determined to be in good condition. The PDM also recommended that three of the seven pile caps will need some minor repairs.

This Task Order 5-15 SWR will allow the CONSULTANT to assist the City with the construction phase for the Concrete Repairs at Richard A Heyman EPF, and Fleming Key Bridge.

Purpose

The CITY has requested that the CONSULTANT provide engineering services for Construction Phase Services for the CONCRETE REPAIRS AT RICHARD A. HEYMAN EPF and FLEMING KEY BRIDGE. This Task Order describes the CONSULTANT's Scope of Services. Specific activities to be performed under this Task Order include:

- Construction Phase Services

Scope of Services

The following tasks describe the activities to be performed and the work products to be prepared by the CONSULTANT.

Task A – Construction Phase Services

The CONSULTANT will perform limited construction phase services listed in this Task Order for a construction period that is estimated to be 11 months. The CITY will be responsible for full-time resident observation.

The CONSULTANT will perform the following activities during this portion of the project.

- The CONSULTANT will coordinate and conduct one pre-construction meeting and distribute meeting minutes.
- At the request of the CITY, coordinate and conduct monthly progress meetings and prepare and distribute meeting minutes; attendance at up to eleven (11) meetings is assumed.
- At the request of the CITY, review up to twenty (20) shop drawings and other construction related submittals.
- At the request of the CITY, the CONSULTANT will provide up to forty (80) hours to assist in the technical interpretations of the drawings, specifications, and contract documents, and evaluate requested deviations from the approved design or specifications.
- Conduct up to two (2) specialty inspections at the construction site, by a Sr. Construction Inspector/Design Engineer.
- At the request of the CITY, perform a substantial completion inspection of the project and assist in the preparation of a punch-list.
- Prepare record drawings based on mark-ups from the CONTRACTOR.

Deliverables

- One (1) electronic copy of pre-construction meeting minutes
- One (1) electronic copy of each progress meeting minutes
- One (1) electronic copy of each additional meeting minutes
- Two (2) copies each reviewed shop drawings

- Two (2) copies each Request for Information
- One (1) electronic copy of punch list(s)
- One (1) full size copy, two (2) 11" x 17" copies, and one (1) electronic copy of record drawings

Assumptions

The following assumptions were used in the development of this Task Order:

- The City will coordinate and implement all Public involvement.
- No permit(s) will be required for Concrete Repairs at Richard A. Heyman EPF and Fleming Bridge by FDEP. CONTRACTOR will be required to apply for and obtain Building Permits from the CITY.
- Construction phase work will be completed by the end of 2016.
- Meetings will be held in Key West and attended by up to two (2) consultant's staff, additional consultant's staff may attend via conference call.
- Legal, easement, or plat surveys will not be required.
- The construction services will be provided for a single construction contract.
- Any labor and expenses required to address construction claims, unforeseen subsurface considerations or additional construction time requested by the CONTRACTOR or OWNER will be considered as "Additional Services".

Obligations of the CITY

To assist meeting schedule and budget estimates contained in this proposal, the CITY will provide the following:

- Facilitate access to any required facilities.
- Attendance of key personnel at meeting as requested.
- The CITY will be responsible for full-time resident observation.

Additional Services

The CONSULTANT will, as directed, provide additional services that are related to the project but not included within this Scope of Services. These and other services can be provided, if desired by the CITY, as an amendment to the Task Order. Work will begin for the Additional Services after receipt of a written notice to proceed from the CITY.

Additional services may include, but are not limited to, the following:

- Additional permitting
- Resident observation, providing a part-time or full-time resident on-site during construction
- Additional construction phase service not included in this scope

Compensation

The estimated compensation for TASK ORDER NO 5-15 SWR, is shown on Attachment A entitled TASK ORDER NO. 5-15 SWR, COMPENSATION.

Attachment A

Compensation

COMPENSATION BREAKDOWN							
Task Order 5-15 SWR Engineering Services for Concrete Repairs at RAH EPF and Fleming Key Bridge							
TASK NO.	TASK DESCRIPTION	HOURLY RATE	TOTAL HOURS	LABOR	Travel	EXPENSES	TOTAL COST
A	Preliminary Design						
	Principal Technologist	\$ 186.00	232	\$43,152			\$43,152
	Sr. Technologist/Sr. Project Manager	\$ 170.00	4	\$680			\$680
	Project Manager, Engineering Specialist	\$ 157.00	158	\$24,806			\$24,806
	Technician 5	\$ 113.00	36	\$4,068			\$4,068
	Technician 3	\$ 82.00	58	\$4,756			\$4,756
	Senior Project Assistant	\$ 67.00	79	\$5,293			\$5,293
	Travel				\$3,600		\$3,600
	PRINTING/REPROGRAPHICS/PHONE					\$250	\$250
PROJECT TOTALS							
	TOTAL HOURS		567				
	TOTAL FEE ESTIMATE			\$82,755		\$250	\$86,605