

TASK ORDER 4-12 SWR AMENDMENT 1

ENGINEERING SERVICES FOR THE DESIGN, AND PERMITTING FOR THE FLEMING KEY BRIDGE PIPE SUPPORT PILING REPAIRS

This TASK ORDER 4-12 SWR Amendment 1 is issued under the terms and conditions of the 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") dated November 19, 2012 which is incorporated herein by this reference.

A. SCOPE OF SERVICES

Specific services that the CONSULTANT agrees to furnish are summarized on the attached statement entitled TASK ORDER 4-12 SWR Amendment 1, SCOPE OF SERVICES. The Scope of Services defines the work effort anticipated for the Task Order.

B. TIME OF COMPLETION

Work under this Task Order will begin immediately following acceptance and be completed expeditiously subject to coordination with the City of Key West staff.

C. COMPENSATION

Compensation for the labor portions of TASK ORDER 4-12 SWR Amendment 1, Task A and B will be on a lump sum fee basis as stipulated in Article 5, Paragraph 5.1.1 of the AGREEMENT. Compensation for the labor portions of Tasks C 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 4-12 SWR Amendment 1 COMPENSATION.

D. ACCEPTANCE

By signature, the parties each accept the provisions of this TASK ORDER 4-12 SWR Amendment 1, and authorize the CONSULTANT to proceed at the direction of the City's representative in accordance with Article 1, 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: _____
Bob Vitas
City Manager

Andrew H. Smyth, P.E.
Key West Office Manager

Dated the ____ day of _____, 20__

ATTEST: _____

TASK ORDER 4-12 SWR AMENDMENT 1

ENGINEERING SERVICES FOR THE DESIGN, AND PERMITTING FOR THE FLEMING KEY BRIDGE PIPE SUPPORT PILING REPAIRS

SCOPE OF SERVICES

Project Description

The City of Key West (the City) is 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, to increase structural integrity, and to 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.

The CITY has requested the CONSULTANT prepare a separate task order to complete the design, and bid phase services for the repair of all damaged concrete within the WWTP facility. This scope of services is submitted as **Task Order 3-13 SWR engineering services for the inspection, design, and bid phase services for the concrete repairs at the Richard A. Heyman Environmental Protection Facility.**

Due to the proximity and the type of concrete repair work at the WWTP facility, the CITY has determined it would be beneficial to combine the two projects into one construction contract. The CITY has requested the CONSULTANT modify this current scope of services to delete the un-necessary portions of work from the design and bid phase tasks of Fleming Key Bridge Pile repairs. The design drawings and technical specifications for the piling repair will be included with the bid documents developed under Task Order 3-13, and bid as one construction contract.

The preliminary design phase has been completed and there are no changes to the permitting task under the original Task Order. This Task Order 4-12 SWR Amendment 1 provides reductions to the design and bid phase tasks.

Purpose

The CITY has requested that the CONSULTANT provide engineering services for the design, and permitting for the proposed improvements to Fleming Key Bridge Piling number 6, Pile Caps.

Specific activities to be performed under this Task Order include:

- Prepare a Preliminary Design Memorandum (PDM) for the Fleming Key Bridge Pile repairs **(Completed under original scope of work)**
- Provide detailed design with submission of 90% documents for review and provide bid documents for a single construction contract under Task Order 3-13
- Permitting **(No Change in scope)**
- ~~Bid Phase Services (Deleted)~~

Scope of Services

The scope of services provided below addresses the work to be completed for the Project.

Task A – Preparation of the Preliminary Design Memorandums

A.1 Preliminary Design Memorandum for Fleming Key Bridge Piles

CONSULTANT shall meet with CITY and prepare a Preliminary Design Memorandum (PDM) that includes an underwater pile inspection and a comprehensive topside structural evaluation.

This task was completed under the original scope of work.

Task B – Detailed Design

This task entails activities related to the detailed design of the Fleming Key Bridge Support Piling number 6 pile cap repairs.

The design will be completed based upon the Preliminary Design Memorandum recommendations. Final contract drawings and technical specifications will be prepared for a single construction contract. At the end of this subtask the design documents will be considered complete and ready for inclusion in the bid documents prepared under Task Order 3-13.

Specific work activities in this task are identified below:

- Prepare technical design specifications and drawings.

- Conduct 90% review meeting and incorporate review comments from CITY into the Bid Documents.
- Based on the 90% documents, prepare updated final probable construction cost estimate.
- Submit final Bid Documents to the CITY.

Deliverables

- Four (4) copies 90 % review documents; drawings and specifications
- Two (2) copies of final probable construction cost estimate
- Four (4) copies and one (1) electronic copy of Bid Documents, including drawings and specifications

Task C – Permitting

CONSULTANT will prepare the permitting documentation for the Fleming Key Piling Repair Project.

There is no change in scope from the original Task Order

~~Task D – Bid Phase Services (Deleted)~~

Assumptions

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

- The design work on this project will be completed in first quarter 2014.
- The Preparation of legal and technical specifications, and contract documents, including bid forms, notice to bidders, general and supplemental conditions, bond forms, etc. will be prepared under Task Order 3-13 SWR.
- The Kick-off meeting and review meetings will be included with Kick off and review meetings held as part of Task Order 3-13. Meetings will be held in Key West.
- The design will be based on the federal, state, and local codes and standards in effect at the start of the project. Any changes in these codes may necessitate a change in scope and fee.
- The design documents will be prepared for a single construction contract. Drawings and technical specifications will be included with the TO 3-13 bid documents.
- The CITY will make available any studies, reports, “as-built” or “record” drawings completed for the existing bridge in its possession.

- The CONSULTANT's master specifications will be used as the basis for all technical specification sections in Divisions 1 through 49. The CONSULTANT's master specifications incorporating CITY requirements will be used for General Conditions, Supplemental Conditions, and other front end documents.
- The CONSULTANT assumes that the Fleming Key Bridge is structurally adequate and no additional design or repairs for the bridge are included in this project.
- Circulation/Flushing Surveys or Assessments, water and Sediment Quality testing, Benthic Infauna Testing and Mitigation planning and design are not included in this scope of work.
- Sovereign Submerged Lands Permitting/Approval are not included in this scope of work.
- Legal, easement, or plat surveys will not be required.
- The CITY will pay for all permit application fees.
- Submission of up to two (2) sets of signed and sealed drawings and specifications for permitting purposes are included, in addition to permitting requirements.
- CONSULTANT shall not be responsible for Regulatory Agency delays.
- CONSULTANT assumes one (1) RAI response to each permitting agencies for permit will be required. A total of three (3) RAI's are assumed.

Obligations of the CITY

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

- Prompt review and comment on all deliverables (within 10 working days of receipt).
- Facilitate access to any required facilities
- Provide all available studies, reports and/or existing environmental data from the project area, bridge record drawings or as-built drawings, and specifications
- Any other information in the possession of the City, which may be pertinent to the permitting of the project.
- Attendance of key personnel at meeting as requested
- Payment of all permit application fees

Additional Services

The CONSULTANT will, as directed by the CITY, 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 awarded by the CITY, as an amendment to this 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:

- Re-bidding any, or all, portions of this project including preparation of changes to the project because of causes external to performance of detailed design, such as changes in bid climate, equipment and material costs
- Additional permitting involving agencies other than those listed in task C
- Construction Phase Services

Compensation

The estimated compensation for TASK ORDER 4-12 SWR AMENDMENT 1 is shown on Attachment "A" entitled TASK ORDER 4-12 SWR AMENDMENT 1 COMPENSATION.

Completion Dates

See the preliminary project schedule presented below.

Task	Proposed Dates
Kick-off Meeting	Completed
Preliminary Design Memo for the Concrete Repairs at the Richard A. Heyman Environmental Protection Facility	Completed
90% Design Documents	To be submitted with TO 3-13 design documents
Design Drawings and Technical Specifications	To be submitted with TO 3-13 design documents
Permitting	TBD

Attachment A

TASK ORDER 4-12 SWR AMENDMENT 1 COMPENSATION

TASK ORDER 4-12 SWR Amendment 1 COMPENSATION
ENGINEERING SERVICES FOR DESIGN, PERMITTING, AND BID PHASE SERVICES FOR
THE FLEMING KEY BRIDGE PIPE SUPPORT PILING REPAIRS

Task	Hours	Labor	Expenses	Total Cost
Task B1 - Design Phase	-156	-\$16,972	-\$950	-\$17,922
Task D1 -Bid Phase	-100	-\$10,956	-\$1,450	-\$12,406
Total	-256	-\$27,928	-\$2,400	-\$30,328

COMPENSATION BREAKDOWN						
Task Order 4-12 SWR Amendment 1						
TASK NO.	TASK DESCRIPTION	HOURLY RATE	TOTAL HOURS	LABOR	EXPENSES	TOTAL COST
B	Detailed Design					
	Principal PM/Principal Technologist	\$ 172.00	-16	\$2,752		-\$2,752
	Senior Technologist/Senior PM	\$ 158.00	-4	\$632		-\$632
	Senior Professional	\$ 148.00	-4	\$592		-\$592
	Assoc Engineer	\$ 110.00	-60	\$6,600		-\$6,600
	Tech 4	\$ 93.00	-48	\$4,464		-\$4,464
	Technical Editor/Spec Processor	\$ 84.00	-20	\$1,680		-\$1,680
	Senior Project Assistant	\$ 63.00	-4	\$252		-\$252
	(1) - 2 Day trip to KWF					
	Printing/Reprographics/Shipping				\$950	-\$950
Detailed Design SUBTOTAL			-156	-\$16,972	-\$950	-\$17,922
D	Bid Phase					
	Principal PM/Principal Technologist	\$ 172.00	-10	\$1,720		-\$1,720
	Senior Technologist/Senior PM	\$ 158.00	-2	\$316		-\$316
	Senior Professional	\$ 148.00	-24	\$3,552		-\$3,552
	Assoc Engineer	\$ 110.00	-16	\$1,760		-\$1,760
	Tech 5	\$ 103.00	-2	\$206		-\$206
	Tech 4	\$ 93.00	-10	\$930		-\$930
	Technical Editor/Spec Processor	\$ 84.00	-12	\$1,008		-\$1,008
	Senior Project Assistant	\$ 63.00	-18	\$1,134		-\$1,134
	Clerical	\$ 55.00	-6	\$330		-\$330
	(1) - 2 Day trip to KWF				\$950	-\$950
	Printing/Reprographics/Shipping				\$500	-\$500
Bid Phase SUBTOTAL			-100	-\$10,956	-\$1,450	-\$12,406
PROJECT TOTALS						
	TOTAL HOURS		-256			
	TOTAL FEE ESTIMATE			-27,928	-2,400	-30,328