

**TASK ORDER 7-12 PORTS - AMENDMENT 1**  
**ENGINEERING SERVICES FOR DESIGN OF THE NAVY MOLE FUELING  
STATION AND FLOATING DOCK IMPROVEMENTS**

This TASK ORDER 7-12 PORTS – Amendment 1 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. ("ENGINEER") executed on September 18, 2007, which is incorporated herein by this reference and is a Amendment to Task Order 7-12.

A. SCOPE OF SERVICES

Specific services which the ENGINEER agrees to furnish are summarized on the attached statement entitled TASK ORDER 7-12 PORTS Amendment 1 "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 September 18, 2007, 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 12 months after the date of execution of this Task Order, at which time the Task Order will expire.

C. COMPENSATION

Compensation for labor portion of TASK ORDER 7-12 PORTS Amendment 1, Task C and D will be on a lump sum fee basis as stipulated in Article 2, Paragraph 2.1 of the AGREEMENT. Compensation for all expenses will be on a Cost Reimbursable-Per Diem basis as stipulated in Article 2, Paragraph 2.2 of the AGREEMENT. The estimated compensation is shown on the attached statement entitled TASK ORDER 7-12 PORTS Amendment 1, COMPENSATION.

D. ACCEPTANCE

By signature, the parties each accept the provisions of this TASK ORDER 7-12 PORTS Amendment 1, and authorize the ENGINEER 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: \_\_\_\_\_  
Bob Vitas  
City Manager

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

Dated the \_\_\_\_ day of \_\_\_\_\_, 2012

ATTEST: \_\_\_\_\_

**TASK ORDER 7-12 PORTS AMENDMENT 1**

**ENGINEERING SERVICES FOR DESIGN OF THE NAVY MOLE  
FUELING STATION AND FLOATING DOCK IMPROVEMENTS**

**SCOPE OF SERVICES**

**Project Description**

The City of Key West (CITY) is working with the Navy to assist in the design of a new fuel storage and pumping facility at the Navy's Mole Facility. Under original Task Order 7-12 PORTS, the ENGINEER is providing the Fuel Station Improvements. The City has requested the ENGINEER provide the design of the Improvements to the Floating Dock System. This Amendment 1 addresses these improvements that include:

- Relocation of the existing floating dock system to a location within 30 feet of the existing bulkhead wall along the South Mole and provide design details for new anchorage at the relocated area.
- Developing repair details and improvements for the connections of the floating dock segments to each other. These will be developed based on details provided by the CITY of the existing floating dock system for review and consideration.
- Prepare an Alternate bid item for the replacement of the existing floating docks with new comparable style docks.

The Improvements to the Floating Dock System will be incorporated into the Fuel Storage Improvements project Contract Documents for one combined bid package

**Purpose**

The CITY has requested that the ENGINEER provide engineering services for the above-described project.

**Scope of Services**

The scope of services provided below addresses the work to be completed for the additional Floating Dock System Improvements.

**Task A – Initial Site Evaluation and Data Collection**

No additional work to be completed on this task, the Engineer will incorporate the floating dock elements into the Basis of Design Memo being prepared under Task A of the original Task Order 7-12 PORTS.

## **Task B – Construction Document Development (Fueling Station Improvements)**

No additional work to be completed on this task.

## **Task C – Floating Dock Design Improvements**

ENGINEER will prepare Contract / Construction Documents including Drawings, Technical Specifications and an Estimate of Probable Construction Cost for the Project as described above (Project Description) and incorporate them into the Fuel Storage Improvements project Contract Documents for one combined bid package. ENGINEER's services to be provided are as follows:

- Review existing as-built drawings, geotechnical reports, surveys and existing equipment designs made available by CITY to ENGINEER and based upon the results of the Benthic Survey as it relates to the floating docks.
  - Evaluate new/proposed floating dock location and develop an approach and concept for this new location.
  - Coordinate with the City/Navy as it relates to the coral growth on the existing seawall and look for City input from local professionals for guidance on coral growth requirements.
  - Evaluate new floating dock location and identify any additional information required to complete the design.
- Prepare construction documents to be used by the CITY/Navy for issuing a construction contract to construct the “Navy Mole Floating Dock Improvements” project as one (1) bid package combined with the “Navy Mole Fueling Station Improvements”. Construction documents will be prepared for the floating dock improvements addressing Structural Engineering tasks as follows:
  - Design or specify a structural system to be used to stand-off the floating docks from the existing bulkhead and to maintain connection of the floating dock to the bulkhead for low level thunder storms up to Tropical Depressions.
  - Develop a modified connection detail to retro-fit the existing floating dock connections to each other.
  - Prepare a list of possible members that would require replacement due to corrosion, dis-repair or other reason that a Contractor can price (Unit Price) for use for field identification by client during construction for replacement. This item will not be based on a field survey or inspection.
- Opinion of Probable Construction Cost - Prepare an opinion of probable construction cost for the Floating Dock scope that will be combined with the previous Task Order Construction Cost Estimate. Cost opinion should be based on estimated quantities and unit prices derived from projects of a similar size and nature. Format should be similar

to that which would be provided for a unit price contract. Opinion prepared will be provided to CITY/Navy for estimating purposes only. The Opinion will be prepared at each design submittal milestone. The cost opinion will be prepared in general accordance with the American Association of Cost ENGINEER's (AACE) standards for the appropriate level of project development. Quantities and Opinion of cost are opinion only and do not warrant or guarantee such values.

- Meetings and Coordination - Meetings and Coordination will be part of the original Task Order 7-12 PORTS.

### **Deliverables (Task C)**

ENGINEER shall incorporate the Floating Dock Improvements into the Task B deliverables as described on Task Order 7-12 PORTS.

### **Task D - Floating Dock Replacement Performance Specification**

ENGINEER will prepare a performance specification and concept drawing for the replacement of the existing floating docks with new floating docks similar in style and performance to the existing floating docks already on site. Floating Docks are to be liftable and placeable on land prior to a Tropical Storms hitting the site.

## **Task Order Assumptions**

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

- Bid phase and construction phase services are not included in this scope of work.
- Any permits required will be obtained by awarded construction contractor and/or City / Navy including but not limited to Building and Environmental Permits.
- Work is based on all existing site and equipment information being provided to the ENGINEER in electronic format including CAD files, surveys and geotechnical reports.
- Site grades are suitable for the construction of the tank without regarding the site to accommodate.
- Meetings will be held in Key West and attended by up to two (2) ENGINEER's staff, as indicated in the scope, additional ENGINEERs staff may attend via conference call.
- ENGINEERs and City's QC reviews will occur concurrently in order to meet schedule.
- 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.
- The Statement of Work documents will be prepared for a single construction contract.
- It will be assumed that all projects will be located in City/Navy owned property.
- The City will coordinate and assist in all Navy involvement and Engineers site visits.

- Bid phase services will be completed by City/Navy.
- All permitting will be completed by the City / Navy.
- A Benthic Survey is not included in this scope of work.

## **Obligations of the CITY**

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

- The CITY will provide available drawings and manufacturer's information for the new fuel tanks, electrical, water and wastewater utilities.
- The CITY will provide topographic of entire site as required to complete the design and Construction Documents.
- The CITY will provide Geotechnical reports and recommendation for the site and in particular the area of the new proposed tank.
- Prompt review and comment on all deliverables. Review comments shall be submitted back to the ENGINEER within one week of deliverable.
- Facilitate access to any required facilities.
- Attendance of key personnel at meeting as requested.

## **Additional Services**

The ENGINEER 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 design services if requested by the City
- Benthic Survey
- Permitting phase services
- Bid Phase Services
- Procurement Services
- Construction Phase Services

## **Compensation**

The estimated compensation for TASK ORDER 7-12 PORTS Amendment 1 are shown on Attachment A entitled TASK ORDER 7-12 PORTS Amendment 1, COMPENSATION.

## **Completion Dates / Deliverables**

The proposed completion dates for the tasks are as follows:

<b>TASK A</b>	<b>Initial Site Evaluation and Data Collection</b>
Site Visit / Initial Kick-off Meeting	Per Original Task Order
Draft Basis of Design Memo Submittal	Per Original Task Order
Final Basis of Design Memo Submittal	Per Original Task Order
<b>TASK C &amp; D</b>	<b>Floating Dock Improvements</b>
60% Construction Documents Submittal	Upon CLIENT receipt of a Notice to Proceed for Task B and Comments on the Draft Basis of design memo, a 60% Construction Documents Submittal for CLIENT review will be delivered per the Original Task Order
100% Construction Documents Submittal	Upon acceptance of the 60% Construction Documents Submittal and receipt of the 60% Construction Documents Submittal review comments, a 100% set for CLIENT review will be delivered per the Original Task Order
Bid Documents	will be prepared per the Original Task Order

## Attachment A

TASK ORDER 7-12 PORTS - AMENDMENT 1 COMPENSATION

ENGINEERING SERVICES FOR DESIGN OF THE NAVY MOLE FUELING STATION  
AND FLOATING DOCK IMPROVEMENTS

**TASK ORDER 7-12 PORTS Amendment 1 COMPENSATION**  
**ENGINEERING SERVICES FOR THE DESIGN OF THE NAVY MOLE FUELING STATION**  
**AND FLOATING DOCK IMPROVEMENTS**

<b>Task</b>	<b>Hours</b>	<b>Labor</b>	<b>Expenses</b>	<b>Total Cost</b>
Task C - Floating Dock Improvements	150	\$18,428	\$0	\$18,428
Task D - Floating Dock Performance Specification	42	\$5,776	\$0	\$5,776
<b>Total</b>	<b>192</b>	<b>\$24,204</b>	<b>\$0</b>	<b>\$24,204</b>



COMPENSATION BREAKDOWN						
Task Order 7-12 PORTS Amendment 1						
TASK NO.	TASK DESCRIPTION	HOURLY RATE	TOTAL HOURS	LABOR	EXPENSES	TOTAL COST
<b>C</b>	<b>Floating Dock Improvements</b>					
	Principal PM/Principal Technologist	\$172.00	62	\$10,664		\$10,664
	Senior Technologist/Senior PM	\$158.00	4	\$632		\$632
	Project Professional	\$122.00	12	\$1,464		\$1,464
	Assoc Engineer	\$110.00	16	\$1,760		\$1,760
	Tech 3	\$ 74.00	36	\$2,664		\$2,664
	Senior Project Assistant	\$ 63.00	18	\$1,134		\$1,134
	Clerical	\$ 55.00	2	\$110		\$110
	<b>Floating Dock Improvements SUBTOTAL</b>		150	\$18,428	\$0	\$18,428
<b>D</b>	<b>Floating Dock Performance Spec</b>					
	Principal PM/Principal Technologist	\$172.00	28	\$4,816		\$4,816
	Tech 3	\$ 74.00	10	\$740		\$740
	Clerical	\$ 55.00	4	\$220		\$220
	<b>Floating Dock Performance Spec SUBTOTAL</b>		42	\$5,776	\$0	\$5,776
<b>PROJECT TOTALS</b>						
	TOTAL HOURS		192			
	TOTAL FEE ESTIMATE			\$24,204	\$0	\$24,204
	<b>TO 7-12 PORTS Amendment 1 TOTAL</b>		<b>192</b>	<b>\$24,204</b>	<b>\$0</b>	<b>\$24,204</b>