

**TASK ORDER 1-17 SWR**

**ENGINEERING SERVICES FOR THE PRELIMINARY DESIGN AND PERMITTING FOR RECLAIMED WATER FACILITIES AT THE RICHARD A. HEYMAN WWTP**

This TASK ORDER 1-17 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. ("ENGINEER") executed on November 19, 2012, which is incorporated herein by this reference.

A. SCOPE OF SERVICES

Specific services which the ENGINEER agrees to furnish are summarized on the attached statement entitled TASK ORDER NO. 1-17 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.

C. COMPENSATION

Compensation for the labor portions of TASK ORDER 1-17 SWR, Tasks A and B will be on a lump sum fee basis as stipulated in Article 5, Paragraph 5.1.1 of the AGREEMENT. The estimated compensation is shown on the attached statement entitled TASK ORDER 1-17 SWR COMPENSATION.

D. ACCEPTANCE

By signature, the parties each accept the provisions of this TASK ORDER NO. 1-17 SWR, 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: \_\_\_\_\_

By: \_\_\_\_\_

William D. Beddow, P.E.  
Vice President

Jim Scholl  
City Manager

\_\_\_\_\_  
Sean McCoy, P.E.  
Key West Project Manager

Dated the \_\_\_\_ day of \_\_\_\_\_, 20\_\_

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

## TASK ORDER 1-17 SWR

### ENGINEERING SERVICES FOR THE PRELIMINARY DESIGN AND PERMITTING, FOR RECLAIMED WATER FACILITIES AT THE RICHARD A. HEYMAN WWTP

## SCOPE OF SERVICES

### Project Description

The City of Key West owns the Richard A. Heyman Wastewater Treatment Plant (RAHWWTP) which utilizes advanced secondary and tertiary treatment process before effluent disposal via deep injection. The CITY currently does not produce any effluent for reuse due to the density of the surrounding communities and the dearth of any large users of reclaimed water nearby. The CITY has determined that reclaimed water could be utilized for street cleaning and limited irrigation of public areas using water trucks. In order to provide effluent for these uses the RAHWWTP will need to augment its treatment processes to meet high level disinfection standards thus allowing effluent to be used in public areas.

### Purpose

The CITY has requested that the ENGINEER provide engineering services for the preparation of preliminary level design documents for the primary purpose of permitting the new reclaimed water facilities. This Task Order describes the ENGINEER's Scope of Services. Specific activities to be performed under this Task Order include:

- Preliminary Design Documents
- Permitting assistance

### Scope of Services

#### Task A - Preliminary Design Report

This task entails activities related to the preliminary design of the new onsite reclaimed water facilities. The ENGINEER will perform the work to develop a Preliminary Design Report (PDR) for the new reclaimed water system including additional disinfection, storage and pumping facilities. The objective of this task is to develop a PDR that will satisfy all requirements for a modification to Florida Department of Environmental Protection (FDEP) operating permit. The ENGINEER will conduct one review meeting following the PDR submittal.

The ENGINEER will meet with CITY and OMI at a kickoff meeting in Key West to discuss existing data, current and future flow conditions and design requirements.

#### Deliverables

- Electronic copy of draft Preliminary Design Report documents for review
- Four (4) copies and electronic copy of Final Preliminary Design Report

## **Task B- Permitting**

ENGINEER will prepare a permit application, consistent with FAC 62-620 and FDEP procedures. The permit application will be submitted on FDEP with all relevant information to modify for a permit for a domestic wastewater facility modification including:

- Form 1 (62-620.910(1))
- Form 2A (62-620.910(2))
- Preliminary Design Report (from Task A)
- Reuse Operating Protocol
- Reuse Engineering Report (abbreviated)
- Reuse Feasibility Study

The ENGINEER will submit a draft permit application to the CITY for review and comments. Review comments received from the CITY will be incorporated into the revised permit application as appropriate. The ENGINEER will submit signed and sealed copies (as required) of the final permit application and construction documents to the respective regulatory agency on behalf of the CITY.

All permit application fees shall be paid by the CITY. All permit applications, plans, and specifications will be signed and sealed by the ENGINEER, as required. Also, for each permit application, the ENGINEER will respond to two (2) requests for additional information as part of this Task Order.

### **Deliverables**

Two (2) copies of final permit application package including Preliminary Design Report (from Task A), Reuse Engineering Report, Reuse Operating Protocol and Reuse Feasibility Study.

## **Assumptions**

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

- The work stated in this Task Order will be completed in calendar year 2017.
- 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.
- Legal, easement, or plat surveys will not be required.
- All new above ground equipment will be located within the existing fence provided the space exists.
- The CITY will pay for all permit application fees.
- An Environmental Resource Permit (ERP) from South Florida Water Management District (SFWMD) will not be required for this project.
- United States Army Corp of Engineers permit/authorization will not be required for this project.

- Two (2) responses for requests for additional information (RAI) from each permitting agency are assumed.
- CH2M HILL shall not be responsible for Regulatory Agency delays.

## **Obligations of the CITY**

To assist meeting schedule and budget estimates contained in this proposal, 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
- Attendance of key personnel at meeting as requested
- Payment of all permit application fees

## **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:

- Detailed Design
- Bid phase and Construction phase services.
- Additional permitting involving agencies other than the Florida Department of Environmental Protection, South Florida Water Management District.

## **Compensation**

The estimated compensation for TASK ORDER NO. 1-17 SWR, is shown on attachment A entitled TASK ORDER NO. 1-17 SWR, COMPENSATION.

## **Completion Dates**

TBD

**Attachment A**  
Compensation

# TO 1-17 SWR Compensation

Staff	ST/SPM	PE	AE	T5	Spec Pr	SPA		
Hourly Rate	\$170.00	\$135.00	\$120.00	\$113.00	\$89.00	\$67.00		
<b>Task A Preliminary Design</b>							<b>Total Hours</b>	<b>Shipping</b>
<b>A.1.Preliminary Design Report</b>								
Kick off meeting	8	0	0	0	0	2	8	\$ -
Preliminary Design	18	34	40	16	0	4	108	\$ 250.00
Preliminary Design Review	14	10	6	0	0	0	30	\$ 250.00
<b>Total Hours</b>	<b>40</b>	<b>44</b>	<b>46</b>	<b>16</b>	<b>0</b>	<b>6</b>	<b>146</b>	
<b>Subtotal Cost</b>	<b>\$ 6,800.00</b>	<b>\$ 5,940.00</b>	<b>\$ 5,520.00</b>	<b>\$ 1,808.00</b>	<b>\$ -</b>	<b>\$ 402.00</b>	<b>\$ 20,470.00</b>	<b>\$ 500.00</b>
<b>A.2.Final Design</b>								
Prepare Permit Documents	28	20	36	0	0	2	86	\$ 50.00
Reuse Engineering Report	36	24	40	8	8	4	120	\$ 50.00
Reuse Feasibility Study	8	4	8	0	2	2		\$ 50.00
Reuse Operating Protocol	8	12	24	0	2	2	48	\$ 50.00
<b>Total Hours</b>	<b>80</b>	<b>60</b>	<b>108</b>	<b>8</b>	<b>12</b>	<b>10</b>	<b>278</b>	
<b>Subtotal Cost</b>	<b>\$ 13,600.00</b>	<b>\$ 8,100.00</b>	<b>\$12,960.00</b>	<b>\$ 904.00</b>	<b>\$ 1,068.00</b>	<b>\$ 670.00</b>	<b>\$ 37,302.00</b>	<b>\$ 200.00</b>
<b>Total Hours</b>	<b>120</b>	<b>104</b>	<b>154</b>	<b>24</b>	<b>12</b>	<b>16</b>	<b>424</b>	
<b>Subtotal Cost</b>	<b>\$20,400.00</b>	<b>\$14,040.00</b>	<b>\$18,480.00</b>	<b>\$2,712.00</b>	<b>\$1,068.00</b>	<b>\$1,072.00</b>	<b>\$57,772.00</b>	<b>\$700.00</b>
							<b>TO 1-17 Total</b>	<b>\$58,472.00</b>