

TASK ORDER 2-12 STM

ENGINEERING SERVICES FOR CONSTRUCTION PHASE SERVICES FOR THE STORMWATER PUMP STATION AND OUTFALL SYSTEM FOR GEORGE STREET DRAINAGE AREA

This TASK ORDER 2-12 STM 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.

A. SCOPE OF SERVICES

Specific services which the ENGINEER agrees to furnish are summarized on the attached statement entitled TASK ORDER 2-12 STM "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 TASK ORDER 2-12 STM, Task A and 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 2-12 STM COMPENSATION.

D. ACCEPTANCE

By signature, the parties each accept the provisions of this TASK ORDER 2-12 STM, 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: _____
Jim Scholl
City Manager

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

Dated the ____ day of _____, 20__

ATTEST: _____

TASK ORDER 2-12 STM
ENGINEERING SERVICES FOR CONSTRUCTION PHASE
SERVICES FOR THE STORMWATER PUMP STATION
AND OUTFALL SYSTEM FOR GEORGE STREET
DRAINAGE AREA

SCOPE OF SERVICES

Project Description

The City of Key West (CITY) has received Federal Emergency Management Agency (FEMA) hazard mitigation grant program (HMGP) funding (HMGP DR-1609-110-R) to address stormwater flooding in the George Street basin area in Key West, Florida. There are multiple low lying areas within the existing gravity drainage system that flood during rain events. The CITY would like to construct a pump station that would alleviate flooding during these rain events. The pump station would be connected to the existing stormwater gravity system and would operate when stormwater reaches a predetermined elevation in the existing gravity system.

The new stormwater pump station includes an upstream sediment removal structure, a permanent stand-by generator elevated above the 100 year flood elevation, two (2) 120 foot injection wells and an emergency outfall system consisting of a force main and outfall.

As part of the grant the City was required to develop a Benefit Cost Analysis (BCA) of the project. FEMA has completed their review of the BCA and has determined that they would grant additional funding for the construction phase of the project.

During the design of the project the City and Monroe County School District (MCSD) met to discuss the installation of the emergency force main being routed through the Horace O'Byrant (HOB) school property as well as constructing the generator within the school property. Due to changes in the design and construction of the HOB project, the force main can no longer be routed through the school property.

The City has completed the alternate route of the 30" emergency outfall pipe which will be installed along Catherine Street, through the existing Leon Street easement and connecting to the outfall that has been previously designed and permitted. Additionally, the City has requested an easement from MCSD to install the generator inside HOB property at the end of Ashby Street.

The re-design, re-permitting and bid phase services have been completed under task order 11-11 STM. Additionally, the FEMA required documentation has been submitted under task order 11-11 STM. This Task order 2-12 STM is for the construction phase services of the project.

Purpose

The CITY has requested that the ENGINEER provide engineering services for the construction phase services for the stormwater pump station and outfall system for the George Street drainage basin.

Scope of Services

The scope of services provided below addresses the work to be completed for the project; and includes Task A (Construction Phase Services).

Task A - Construction Phase Services

The ENGINEER will perform limited construction phase services listed in this Task Order for a construction period that is estimated to be 15 months. The CITY will be responsible for full-time resident observation.

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

- The ENGINEER 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 fifteen (15) meetings is assumed.
- At the request of the CITY, review up to ninety (90) shop drawings and other construction related submittals.
- At the request of the CITY, the ENGINEER will provide up to 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 three (3) specialty inspections at the construction site, by the engineer.
- Conduct up to twenty four (24) specialty inspections at the construction site, by a Sr. construction inspector.
- At the request of the CITY, perform a substantial completion inspection of the project and assist in the preparation of a punch-list.
- At the request of the CITY, perform a final completion inspection of the project.
- At the request of the CITY, provide on-site start-up assistance, two (2) two-day site visits assumed
- Prepare record drawings based on mark-ups from the CONTRACTOR.

Deliverables

- One (1) copy of pre-construction meeting minutes
- One (1) copy of each progress meeting minutes
- Two (2) copies each reviewed shop drawings
- Two (2) copies each Request for Information
- One (1) copy of punch list
- 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

- Design and Permitting work on this project will be completed by the end of 2011.
- Bidding and Construction phase work will be completed by the end of April 2013.
- Meetings will be held in Key West and may attended by up to two (2) consultant's staff, additional consultants staff may attend via conference call.
- No land costs shall be included in cost estimating for the project. It will be assumed that all projects can be located in City rights of way.
- Legal, easement, or plat survey or acquisitions will be the responsibility of CITY; it is assumed that the City will acquire an easement from Monroe County School District for the stormwater pump station generator site.
- The City will coordinate and implement all Public involvement and FEMA activities.
- 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:

- The CITY will provide all legal, easement, or plat survey and/or acquisitions required for additional property necessary to complete the project.
- Facilitate access to any required facilities.
- Attendance of key personnel at meeting as requested.
- Obtain easement from Monroe County School District for stormwater pump station generator. A description of the legal easement will be provided by the surveyor under separate task.
- The City will coordinate and implement all Public involvement and FEMA activities.
- The CITY will be responsible for full-time resident observation.

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
- Participation in any Public involvement or meetings.
- Resident observation, providing a full-time resident on-site during construction
- Additional construction phase service not included in this scope

Compensation

The estimated compensation for TASK ORDER 2-12 STM is shown on Attachment A entitled TASK ORDER 2-12 STM, COMPENSATION.

Attachment A
TASK ORDER 2-12 STM
COMPENSATION

TASK ORDER 2-12 STM COMPENSATION
Engineering Services for the Construction Phase Services for the
Stormwater Pump Station and Outfall System for the George Street
Drainage Area

Task	Hours	Labor	Expenses	Total Cost
Task A - Construction Phase	1744	\$220,224	\$34,050	\$254,274
Total	1744	\$220,224	\$34,050	\$254,274

COMPENSATION BREAKDOWN						
Task Order 2-12 STM						
TASK NO.	TASK DESCRIPTION	HOURLY RATE	TOTAL HOURS	LABOR	EXPENSES	TOTAL COST
A	Construction Phase (T&M)					
	Principal PM/Technologist	\$ 172.00	120	\$20,640		\$20,640
	Sr. Project Manager	\$ 158.00	4	\$632		\$632
	Project Manager	\$ 148.00	166	\$24,568		\$24,568
	Senior Construction Inspector	\$ 148.00	540	\$79,920		\$79,920
	Project Engineer	\$ 122.00	572	\$69,784		\$69,784
	Tech 4	\$ 93.00	66	\$6,138		\$6,138
	Tech 3	\$ 74.00	150	\$11,100		\$11,100
	Sr. Project Assistant	\$ 63.00	64	\$4,032		\$4,032
	Clerical	\$ 55.00	62	\$3,410		\$3,410
	TRAVEL (30) - 2 Day trips to KWF				\$33,100	\$33,100
	PRINTING/REPROGRAPHICS/SHIPPING				\$950	\$950
Construction Phase SUBTOTAL			1744	\$220,224	\$34,050	\$254,274
PROJECT TOTALS						
	TOTAL HOURS		1,744			
	TOTAL FEE ESTIMATE			\$220,224	\$34,050	\$254,274