

TASK ORDER 1-20 ENGINEERING AMENDMENT 1

ENGINEERING SERVICES FOR DESIGN OF PAVEMENT AND RIGHT OF WAY IMPROVEMENTS TO WHITEHEAD, DUVAL AND FRONT STREETS

This TASK ORDER 1-20 ENG 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 3, 2017 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 1-20 ENG "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 3, 2017, 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

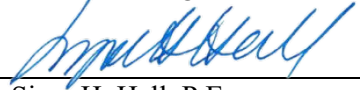
Compensation for the labor portions of TASK ORDER 1-20 ENG AMENDMENT 1, Tasks A will be on a lump sum fee basis as stipulated in Article 2, Paragraph 2.1 of the AGREEMENT. Compensation for subconsultants and all expenses will be on a Cost Reimbursable-Per Diem basis as stipulated in Article 2, Paragraph 2.2 of the AGREEMENT. The estimated compensation is shown on the attached statement entitled TASK ORDER 1-20 ENG AMENDMENT 1 COMPENSATION.

D. ACCEPTANCE

By signature, the parties each accept the provisions of this TASK ORDER 1-20 ENG AMENDMENT 1 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 two (2) days after execution of this authorization.

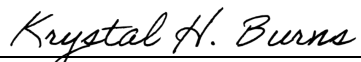
For CH2M HILL Engineers, Inc.

For CITY OF KEY WEST

By:  4/19/2021

Sirpa H. Hall, P.E.
Senior Business Vice President

By: _____
Patti McLauchlin
Interim City Manager

 4/19/2021

Krystal H. Burns, P.E.
Key West Technical Lead

Dated the _____ day of _____, 2021

ATTEST: _____

TASK ORDER 1-20 ENGINEERING AMENDMENT 1
ENGINEERING SERVICES FOR DESIGN OF PAVEMENT AND RIGHT OF WAY
IMPROVEMENTS TO WHITEHEAD, DUVAL & FRONT STREETS

SCOPE OF SERVICES

Amendment Description

This document describes tasks and labor effort performed under *TASK ORDER 1-20 ENGINEERING SERVICES FOR DESIGN OF PAVEMENT AND RIGHT OF WAY IMPROVEMENTS TO WHITEHEAD, DUVAL AND FRONT STREETS* (included herein by reference), as requested by the City of Key West.

The original task order was contracted just prior to the Covid-19 outbreak. When it was determined that the City would close to tourism, City Staff wanted to take advantage of the empty streets and complete the Duval portion of the project. This change of direction during preliminary design required additional effort to complete and changed the delivery model outlined in the executed scope.

TASK ORDER 1-20

The CITY has requested that the CONSULTANT provide engineering services for the design of roadway improvements to lengths of Whitehead Street, Front Street, and Duval Street (see Location Map Sheet 1). The project will be designed and bid as a single package.

Contract duration: 4 months estimated schedule from NTP to Bid Doc delivery

AMENDMENT 1

The design of roadway improvements to be separated into two projects requiring two separate packages.

Project 1: Duval Street Improvements (see Location Map Sheet 2)

Project 2: Whitehead Street and Front Street Improvements (see Location Map Sheet 3)

Contract duration: 14 months from NTP to Bid Doc delivery

Additional labor effort performed to accommodate this and other out of scope tasks are described below for consideration.

Item #	Item Description	Effort beyond Scope	Hours \$ Fee
1	Increased Total Sheet Count: Project 1 and Project 2	Scoped for 77 Total Sheets. Currently 88 Sheets (Project 1 @ 44 Sheets + Project 2 (90%) @ 44 Sheets) <ul style="list-style-type: none"> 11 additional sheets for plan production 	44 hrs \$6,519
2	Increased review of survey deliverables for production and design uses	Designer was provided ten survey files between Feb and July 2020 <ul style="list-style-type: none"> 9 additional deliverables to review and compile 	4 hrs \$593
3	Increased Project Duration	Estimate contract duration: 4 months Amendment contract duration: 14 months <ul style="list-style-type: none"> 10 additional months of coordination & meetings including bidding strategies Tracked Meeting Agenda, Minutes, and Action Items 	90 hrs \$13,334
4A	Project 1 – Interim Role of Owner’s Representative	<ul style="list-style-type: none"> On-call design issue resolution/collaboration in April - May 2020 Assisted City in design retrofit for 11 intersections on Duval St. Provided accelerated delivery of Pavement Marking for Contractor Assisted City in criteria and specification interpretation for construction flexibility 	202 hrs \$29,926
4B	Project 1 – Credit for Scope Reductions	<ul style="list-style-type: none"> Roadway excluded 60% and 90% submittal 	(90 hrs) (- \$13,334)
5	Project 2 – Extensive coordination with Florida Keys Aqueduct authority	<ul style="list-style-type: none"> Submittal consistency reviews Specifications coordination Overlapping design review using Google Earth kmz 	32 hrs \$4,741
6	Signalization Design	Listed in scope exclusions; <ul style="list-style-type: none"> Both Project 1: Duval and Project 2: Whitehead included minor signal improvements for replacement of milled signal loops. Design sheets, quantities, and specifications. 	40 hrs \$5,924

Item #	Item Description	Effort beyond Scope	Hours \$ Fee
7	Front Street Drainage	<p>Listed in scope exclusions;</p> <ul style="list-style-type: none"> • Drainage review using ICPR3 model (5-yr and 10-yr design storms) • Estimated system capacity and evaluated existing pipe sizes • Selected appropriate inlets for new and replaced locations (three total) • Selected pedestrian friendly inlet for Whitehead and Green intersection <p>Design</p> <ul style="list-style-type: none"> • 99 LF of 12-inch piping • inlets/catch basins (4 total) • Details and Specifications <p>Modifications to the paving/grading plans to incorporate new inlets</p>	<p>82 hrs \$11,496</p>

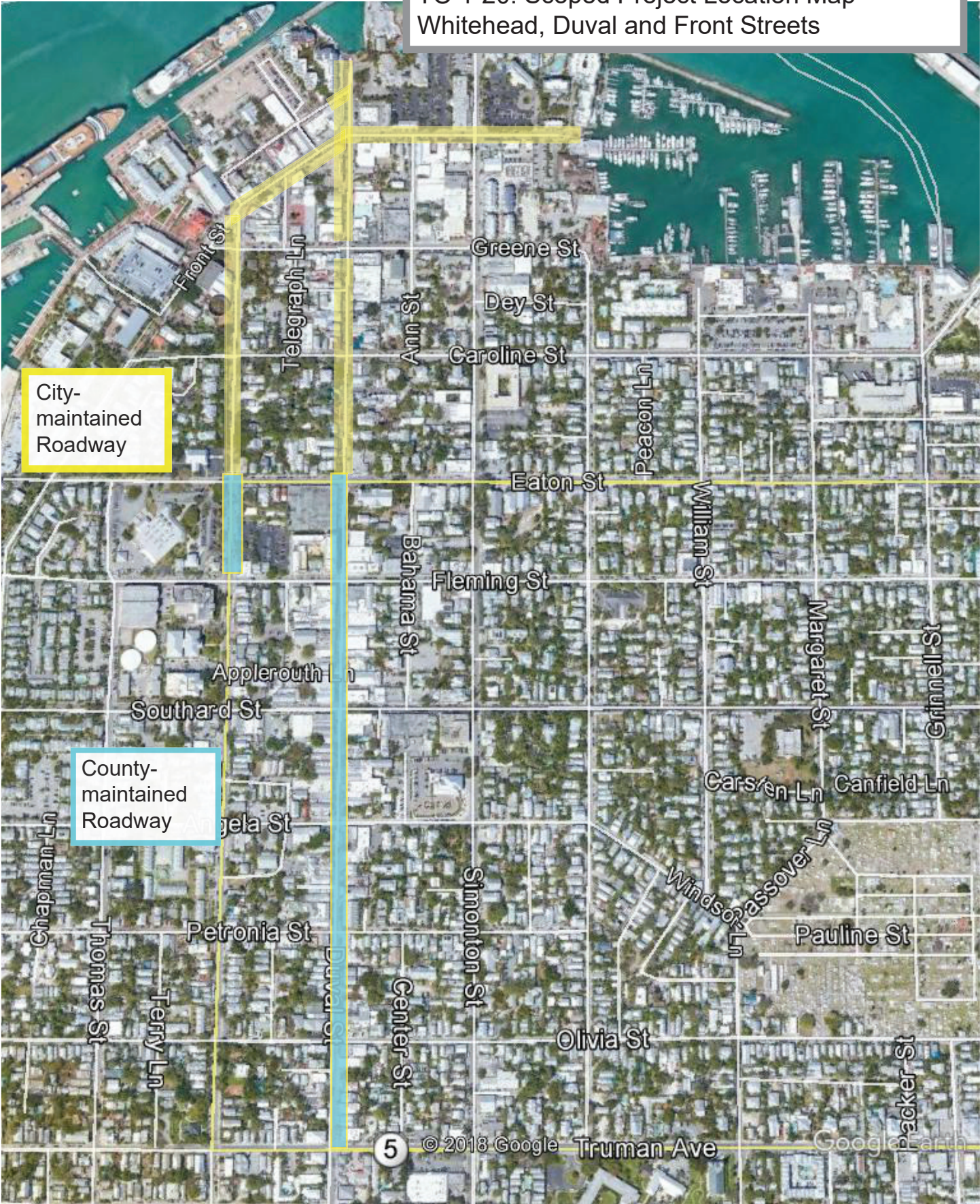
Compensation

The estimated compensation for TASK ORDER 1-20 ENG AMENDMENT 1, is presented as a lump sum cost, and will provide budget to cover the above out of scope effort. Compensation for Amendment 1 is estimated to be \$59,201. The original TO 1-20 contract amount is \$243,312, therefore, executing Amendment 1 will represent an overall contract increase of 24%. See Table 1 below for Amendment 1 labor estimate breakdown.

Table 1-Amendment 1 Labor Estimate

Amendment 1 Task Order 1-20											
Title	Engineer 6	Engineer 5	Engineer 5	Engineer 4	Technician 5	Tech 3	Technician 6	Spec Processor	Clerical / Office	Subtask Labor Total	
Rate	\$210.82	\$192.96	\$192.96	\$166.76	\$121.50	\$94.09	\$133.40	\$84.56	\$76.23		
Amendment 1 on Task A.1											
Roadway Additional Labor hours											
1. Increased Total Sheet Count											
2. Increased review of Survey deliverables											
3. Increased Project Duration											
4A. Project 1 - Interim Role as Owner's Representative	27	27	32	96	20	54	34	16	16	\$47,705	
4B. Project 1 - Credit for Scope Reduction											
5. Project 2 - Extensive Coordination with FCAA											
6. Signalization Design											
7. Front Street Drainage Additional Labor	12	4	8	16	8	16		16	2	\$11,496	
Total Hours by Per Diem Rate	39	31	40	112	28	70	34	32	18	404	
Total Fee Estimate by Per Diem Rate	\$8,222	\$5,982	\$7,718	\$18,677	\$3,402	\$6,586	\$4,536	\$2,706	\$1,372	\$59,201	
										Amendment 1 Total Labor	\$59,201

TO 1-20: Scoped Project Location Map
Whitehead, Duval and Front Streets



City-maintained Roadway

County-maintained Roadway



TO 1-20: Revised Project Location Map
Project 1: Duval Street Improvements



TO 1-20: Revised Project Location Map
Project 2: Whitehead Street and Front Street Improvements

City-maintained
Roadway Limits

County-maintained
Roadway limits

End
Milling &
Resurfacing

Begin
Project

