

SUPPLEMENTAL WORK AUTHORIZATION NO. 2
TO
WORK AUTHORIZATION NO. 2

WILLIAMSON COUNTY LONG RANGE TRANSPORTATION CORRIDOR
PROJECT:
CORRIDOR H – SAM BASS ROAD

This Supplemental Work Authorization No. 2 to Work Authorization No. 2 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March 13, 2017 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and K FRIESE + ASSOCIATES, INC. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 2 dated effective February 19, 2019 (the "Work Authorization");

WHEREAS, pursuant to Article 14 of the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

- I. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B" (must be attached).
- II. The maximum amount payable for services under the Work Authorization is hereby increased from \$ 707,469.62 to \$ 808,585.03. The revised Fee Schedule is attached hereto as Attachment "D" (must be attached).

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, the County and the Engineer have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER:

By: TM Owens
Signature

THOMAS M. OWENS
Printed Name

EXECUTIVE VICE PRESIDENT
Title

10 JUN 20
Date

COUNTY:

By: _____
Signature

Bill Gravell, Jr.
Printed Name

County Judge
Title

Date

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule



06/10/2020

ATTACHMENT B
SERVICES TO BE PROVIDED BY THE ENGINEER
DESIGN SERVICES FOR TRANSPORTATION CORRIDOR H – SAM BASS
ROAD

PROJECT DESCRIPTION

This Supplemental Work Authorization adds the following items to the previously contracted scope of work.

Existing Facility

The project encompasses Sam Bass Road from FM 1431 to Wyoming Springs Drive. The existing facility is a two-lane roadway from FM 1431 to Tonkawa Trail and widens to four lanes from Tonkawa Trail to Wyoming Springs Drive. The existing right-of-way is variable width along the corridor. There is an existing traffic signal at FM 1431 and at Wyoming Springs Drive. The intersection of Sam Bass Road and Great Oaks Drive is four-way stop controlled. The intersection of Sam Bass Road and Walsh Ranch Blvd is two-way stop controlled.

Proposed Facility

New signals will be designed at Great Oaks Dr. and Walsh Ranch Blvd. Signal modifications will be proposed at RM 1431. The signal designs as part of this scope include new temporary design. The existing roadway cross section will be used for purposes of this scope. Design of re-striping for an additional left turn lane for northbound Sam Bass Road at FM 1431, using the existing pavement is also included.

Design Criteria

This project will utilize Williamson County Design Criteria and will incorporate Texas Department of Transportation Standard Details and Specifications except where superceded by County details or specifications.

1. PS&E PLAN PREPARATION

- a. Plans shall be prepared per Williamson County criteria including applicable submittal requirements including: cost estimate, checklists, hardcopies, CAD files, comment responses, design waivers/exceptions, general notes, quantities, updated design schedule, and construction time determination.
- b. SIGNING, MARKINGS, & SIGNALIZATION
 - Prepare traffic signal plan sheets for new signals at Great Oaks Blvd and Walsh Ranch Dr and signal modifications at RM 1431. The plan sheets shall show the existing traffic control that will remain, installation of additional traffic controls, illumination (only on signal poles), elevation sheets, phase sequence diagrams and quantities.
 - Utilize TxDOT standard detail sheets for construction details including poles, detectors, pull box, conduit layout, and controller foundation. Utilize TxDOT specifications and provisions required for traffic signal.

- Coordinate with GEC in identifying power sources.
- c. TRAFFIC CONTROL
 - Traffic control plans will be prepared for up to two construction phases per intersection.
- d. PROJECT MANUAL
 - A project manual consultant form will be completed to assist the GEC with preparation of the Project Manual.

2. BIDDING PHASE SERVICES

- a. BIDDING PHASE SERVICES:
 - Respond to bidder's questions related to the traffic signals during the bid period.
 - Prepare addenda during the bid period. (2 assumed)
 - Prepare bid tabulation and recommendation of award letter.

DELIVERABLES

- Conceptual Plan Layout
- Over the Shoulder Review
- 100% PS&E Submittal
- Final PS&E Submittal

ASSUMPTIONS

- It is assumed that traffic signal warrant studies are not required at any intersection, as they were previously prepared.
- It is assumed that traffic count and traffic operations analysis are not required.
- Pedestrian accommodations for this phase will only include provisions for existing pedestrian conditions.
- Utility coordination and relocation will not be required.

- ROW acquisition will not be required.

**WILLIAMSON COUNTY
TRANSPORTATION CORRIDOR H
SWA#2 to WA#2 ATTACHMENT C - WORK SCHEDULE**

ID	Task Name	Duration	Start	Finish	Predecessors	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2021 Jan
1	Corridor H (Sam Bass Road) -TEMP SIGNALS	149 days	Mon 6/8/20	Thu 12/31/20									
2	Notice to Proceed (NTP)	1 day	Mon 6/8/20	Mon 6/8/20									
3	Conceptual Plan	5 days	Tue 6/9/20	Mon 6/15/20	2								
4	GEC/County Review of Conceptual Plan	10 days	Tue 6/16/20	Mon 6/29/20	3								
5	Over the Shoulder Submittal	1 day	Fri 7/17/20	Fri 7/17/20									
6	100% Design	14 days	Tue 6/30/20	Fri 7/17/20	4								
7	100% QA/QC	5 days	Mon 7/20/20	Fri 7/24/20	6								
8	100% Submittal	1 day	Mon 7/27/20	Mon 7/27/20	7								
9	100% County/GEC Review	5 days	Tue 7/28/20	Mon 8/3/20	8								
10	Final Submittal	5 days	Tue 8/4/20	Mon 8/10/20	9								
11	Bid Phase	45 days	Tue 8/11/20	Mon 10/12/20	10								
12	Work Authorization Termination Date	1 day	Thu 12/31/20	Thu 12/31/20	11								

Attachment D - Fee Schedule
Transportation Corridor H
K Friese Associates, Inc.

TASK	KFA	WSP	Total Labor Cost
1. PROJECT MANAGEMENT			
a. PROJECT MANAGEMENT	\$ 1,620.00	\$ 3,782.44	\$ 5,402.44
2. PS&E PLAN PREPARATION			
b. SIGNING, PAVEMENT MARKING, AND SIGNALIZATION	\$ 7,265.00	\$ 69,828.18	\$ 77,093.18
c. TRAFFIC CONTROL PLAN SHEETS	\$ 990.00	\$ 10,205.49	\$ 11,195.49
d. PROJECT MANUAL	\$ 1,320.00	\$ -	\$ 1,320.00
3. BID PHASE SERVICES			
a. RESPOND TO BIDDER QUESTIONS	\$ 660.00	\$ 2,940.80	\$ 3,600.80
b. ADDENDA	\$ 660.00	\$ -	\$ 660.00
c. BID TABULATION AND RECOMMENDATION OF AWARD	\$ 1,460.00	\$ -	\$ 1,460.00
LABOR COST:	\$ 13,975.00	\$ 86,756.91	\$ 100,731.91
TOTAL DIRECT EXPENSES COST:	\$ 112.00	\$ 271.50	\$ 383.50
TOTAL PROJECT COST:	\$ 14,087.00	\$ 87,028.41	\$ 101,115.41

TASK	Hourly Rate:	SHEETS/ UNITS	Principal	Sr. Roadway Engineer	QA/QC Engineer	Sr. Drainage Engineer	Sr. Project Manager	Project Engineer	Engineer in Training	CADD Technician	Admin.	Sub Total Hours	Hr/Unit	KFA Labor Cost
K Friese & Associates, Inc.			\$ 250.00	\$230.00	\$190.00	\$187.50	\$165.00	\$125.00	\$100.00	\$90.00	\$75.00			
1. PROJECT MANAGEMENT														
a. PROJECT MANAGEMENT							8				4	12		\$ 1,620.00
2. PS&E PLAN PREPARATION														
b. SIGNING, PAVEMENT MARKING, AND SIGNALIZATION														\$ -
COVER SHEET		1					2		4			6		\$ 730.00
SHEET INDEX		1					1		2			3		\$ 365.00
GENERAL NOTES		5					2		4			6		\$ 730.00
SUMMARY OF QUANTITIES		1					4		8			12		\$ 1,460.00
TRAFFIC SIGNAL SHEETS		18					8		12			20		\$ 2,520.00
STANDARD DETAILS		30					4		8			12		\$ 1,460.00
c. TRAFFIC CONTROL PLAN SHEETS							6					6		\$ 990.00
d. PROJECT MANUAL							8					8		\$ 1,320.00
3. BID PHASE SERVICES														
a. RESPOND TO BIDDER QUESTIONS							4					4		\$ 660.00
b. ADDENDA		2					4					4	2.0	\$ 660.00
c. BID TABULATION AND RECOMMENDATION OF AWARD							4		8			12		\$ 1,460.00
TOTAL NUMBER OF SHEETS:							55		46		4	Column Total = 105		
HOURS:												Row Total = 105		
LABOR COST:			\$ -	\$ -	\$ -	\$ -	\$ 9,075	\$ -	\$ 4,600	\$ -	\$ 300			\$ 13,975.00
							52.4%		43.8%		3.8%			\$ 13,975.00
DIRECT EXPENSES:														
		Travel:					200 miles			\$ 0.56	\$112.00			
		Mileage												
		Copies:					copies sheets			\$ 0.20				
		Reproduction												
		Media (mylar)												
		Misc Expenses:					each			\$ 25.00				
		Express delivery												
TOTAL DIRECT COST:												\$ 112		
TOTAL PROJECT COST:												\$ 14,087.00		

TASK	Hourly Rate:	SHEETS/ UNITS	Principal in Charge	Project Manager	Sr. Structural Engineer	Sr Supervising Traff. Engr.	Lead Traffic Engineer	Sr. CADD Tech	Project Engineer	EIT	Project Accountant	Sub Total Hours	Hr/Unit	WSP Labor Cost
WSP														
1. PROJECT MANAGEMENT														
a. PROJECT MANAGEMENT				4		12					4	20		\$ 3,782.44
2. PS&E PLAN PREPARATION														
b. SIGNING, PAVEMENT MARKING, AND SIGNALIZATION														\$ -
COVER SHEET	1													\$ -
SHEET INDEX	1													\$ -
GENERAL NOTES	5													\$ -
SUMMARY OF QUANTITIES	1													\$ -
TRAFFIC SIGNAL SHEETS	18		6		30	120	160			248		564		\$ 69,828.18
STANDARD DETAILS	30													\$ -
c. TRAFFIC CONTROL PLAN SHEETS					3	12	24			48		87		\$ 10,205.49
d. PROJECT MANUAL														\$ -
3. BID PHASE SERVICES														
a. RESPOND TO BIDDER QUESTIONS					8	8						16		\$ 2,940.80
b. ADDENDA	2													\$ -
c. BID TABULATION AND RECOMMENDATION OF AWARD														\$ -
TOTAL NUMBER OF SHEETS: HOURS:			10		53	140	184			296	4	Column Total = 687 Row Total = 687		
LABOR COST:		\$ -	\$ 1,853	\$ -	\$ 11,704	\$ 20,548	\$ 21,841	\$ -	\$ 30,420	\$ 391				\$ 86,756.91
			1.8%		7.7%	20.4%	26.8%			43.1%	0.6%			\$ 86,756.91
DIRECT EXPENSES:														
		Unit	Cost/Unit											
			Travel:											
			Mileage			0.545			100	miles				\$54.50
			Courier Services each			\$60.00			2					\$120.00
			Photocopies B/W each			\$0.15			20					\$3.00
			Photocopies B/W each			\$0.30			250					\$75.00
			Photocopies Color each			\$0.75			20					\$15.00
			Plots (B/W on Bosquare foot			\$3.00								
			Plots (Color on Bosquare foot			\$3.50								
			CDs each			\$4.00			1					\$4.00
			Traffic Counts each			\$500.00								
TOTAL DIRECT COST:													\$ 272	
TOTAL PROJECT COST:												\$ 87,028.41		