

SUPPLEMENTAL WORK AUTHORIZATION NO. 1
TO
WORK AUTHORIZATION NO. 5

WILLIAMSON COUNTY ROAD AND BRIDGE PROJECT:
Engineering Redesign Services for CR 307 Reconstruction

This Supplemental Work Authorization No. 1 to Work Authorization No. 5 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March 24, 2020 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and K.C. Engineering, Inc. (the "Firm").

WHEREAS, the County and the Firm executed Work Authorization No. 5 dated effective May 25, 2021 (the "Work Authorization");

WHEREAS, pursuant to 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 Firm agree that the Work Authorization shall be amended, changed and modified as follows:

- I. The maximum amount payable for services under the Work Authorization is hereby increased from \$92,605.00 to \$141,465.00. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).

County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Supplemental Work Authorization. Firm understands and agrees that County's payment of amounts under this Supplemental Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under the Supplemental Work Authorization. It is further understood and agreed by Firm that County shall have the right to terminate this Supplemental Work Authorization at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Firm.

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 Firm have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

FIRM:

By: Greg Haley, P.E.
Signature

Greg Haley, P.E.
Printed Name

President
Title

September 27, 2022
Date

COUNTY:

By: _____
Signature

Bill Gravell, Jr.
Printed Name

County Judge
Title

Date

LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

Attachment A - Services to be Provided by County
Services to be Provided by County

Williamson County Road & Bridge Division personnel will provide:

- Project direction, review and oversight
- Topographic and R.O.W. Surveys.
- Geotechnical Investigations; data and reports.
- ROW Documents and Drainage Reports
- Conducting pre-bid meeting, responding to contractor questions during bidding, tabulating and evaluating bids after bid opening, and providing recommendation of award of contract.
- Construction oversight, administration and management.

Attachment B – Services to be Provided by Engineer

Services to be Provided by Engineer

Project Locations

1. Name of Roadways – CR 307 and CR 305

Task 1: Project Management

Attend Progress Review Meetings with County Road and Bridge Department at 50%, 90%, and Final. Prepare monthly progress reports and invoices. Maintain project schedule and perform CQ/QC.

Task 2: Topographic Surveys and R.O.W. Surveys

To be provided by the County

Task 3: Preliminary Engineering

N/A

Task 4: Geotechnical Investigations

To be provided by the County

Task 5: Environmental Studies

N/A

Task 6: Utility Coordination

To be provided by the County

Task 7: FEMA Coordination

N/A

Task 8: Final Engineering

Revise plan sheet prepared previously for the Small Maintenance Contracts to comply with plans that will be processed through the Road Bond Project General Engineering Consultant (GEC). Prepare Edwards Aquifer Water Pollution Abatement Plan (WPAP).

Revise Plan Sheets:

- Title Sheet
- Index of Sheets
- Estimate of Quantities Summary
- Project Layout
- Typical Sections
- Horizontal Alignment Data
- Drainage Area Map
- Cross Section at Culvert Sites
- H & H Summaries

- Miscellaneous Drainage Details
- Existing Conditions and Removal Plan
- Erosion Control Plan
- Sequence of Construction
- Traffic Control Plan
- Driveway Details
- Driveway Summary
- Intersection Layout
- Roadway Plan & Profile
- Miscellaneous Roadway Details
- Signs & Pavement Markings
- Small Sign Summary
- SW3P
- Cross Sections (100' Interval)
- Standards

Specifications

Cost Estimate

General Notes

Task 9: Bidding Phase Services

N/A

Task 10: Construction Phase Services

Review shop drawings and respond to contractor RFIs. Prepare electronic as-built final drawings for the County based on construction red-lines provided by the County.

Deliverables:

100% Submittal of Revised Plans and WPAP

- PDFs of 11" x 17" Plan Sheets
 - Specifications, if required
 - Estimate of Construction Cost, if required
 - General Notes, if required
- Electronic copy of submittal documents in PDF format

ATTACHMENT C
WORK SCHEDULE

WORK AUTHORIZATION NO. 5 — SUPPLEMENTAL WORK AUTHORIZATON NO. 1

Task No.	Task Name	Duration	Time	Start	Finish
1	WA #1E - Notice to Proceed	0	Days	9/26/2022	9/26/2022
2	Survey (by others)	0	Days	9/26/2022	9/26/2022
3	Redesign & WPAP	30	Days	9/26/2022	10/26/2022
4	50% PS&E	0	Days	10/26/2022	10/26/2022
5	QA/QC	0	Days	10/26/2022	10/26/2022
6	Submit 50% PS&E	0	Days	10/26/2022	10/26/2022
7	County Review	0	Days	10/26/2022	10/26/2022
8	90% PS&E	0	Days	10/26/2022	10/26/2022
9	QA/QC	0	Days	10/26/2022	10/26/2022
10	Submit 90% PS&E	0	Days	10/26/2022	10/26/2022
11	County Review	0	Days	10/26/2022	10/26/2022
12	Final PS&E	0	Days	10/26/2022	10/26/2022
13	Address 90% comments	0	Days	10/26/2022	10/26/2022
14	Final Quantities	1	Days	10/26/2022	10/27/2022
15	Final Estimate	1	Days	10/27/2022	10/28/2022
16	Assemble Final PS&E	1	Days	10/28/2022	10/29/2022
17	Submit Final PS&E	1	Days	10/29/2022	10/30/2022
18	County Review	1	Days	10/30/2022	10/31/2022
19	Submit Signed and Sealed PS&E	0	Days	10/31/2022	10/31/2022
20	Bid Advertisement	0	Days	10/31/2022	10/31/2022
21	Letting	0	Days	10/31/2022	10/31/2022
22	Award and Bonds	0	Days	10/31/2022	10/31/2022
23	Construction	0	Days	10/31/2022	10/31/2022
24	Complete Project	0	Days	10/31/2022	10/31/2022

ATTACHMENT D - FEE SCHEDULE
WORK AUTHORIZATION NO. 5 – SUPPLEMENTAL WORK AUTHORIZATION NO. 1
ENGINEERING REDESIGN SERVICES FOR CR 307 RECONSTRUCTION

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ATTACHMENT D - FEE SCHEDULE
WORK AUTHORIZATION NO. 5 – SUPPLEMENTAL WORK AUTHORIZATION NO. 1
ENGINEERING REDESIGN SERVICES FOR CR 307 RECONSTRUCTION

K.C. ENGINEERING, INC.											
TASK NO.	TASK DESCRIPTION	PRINCIPAL ENGINEER	SENIOR PROJECT MANAGER	PROJECT MANAGER	SENIOR PROJECT ENGINEER	PROJECT ENGINEER	ENGINEER-IN-TRAINING	ENGINEERING ASSISTANT	CAD TECHNICIAN	CLERICAL	TOTAL
	Labor Rates	250.00	215.00	200.00	195.00	165.00	125.00	110.00	95.00	80.00	
1.4.5	Storm Water Pollution Prevention Plan (SW3P)					1					\$ 165.00
1.4.6	Prepare Env. Permits, Issues & Commitments										\$ -
1.4.7	Erosion Control Plan					6					\$ 990.00
1.4.8	Miscellaneous TCP and Erosion Details					4					\$ 660.00
1.4.9	Assemble Applicable Standards										\$ -
	Task 2.4 Total	0	0	0	12	23	0	0	0	0	\$ 6,135.00
1.5	PS&E Documents										
1.5.1	Summary of Quantities				4						\$ 780.00
1.5.2	Basis of Estimate				2						\$ 390.00
1.5.3	Construction Cost Estimate					4					\$ 660.00
1.5.4	Construction Duration Estimate					4					\$ 660.00
1.5.5	General Notes & Specifications				4						\$ 780.00
1.5.6	Supporting Contract Documentation				4						\$ 780.00
	Task 2.5 Total	0	0	0	14	8	0	0	0	0	\$ 4,050.00
1.6	Project Management										
1.6.1	Project Administration				6						\$ 1,170.00
1.6.2	Maintain Project Records				2					6	\$ 870.00
1.6.3	Periodic Progress Meetings (County)										\$ -
1.6.4	Periodic Progress Meetings (Subconsultants)										\$ -
1.6.5	QA/QC				6	6					\$ 2,160.00
1.6.6	Invoice Preparation				3					4	\$ 905.00
1.6.7	Progress Reports				3					3	\$ 825.00
1.6.8	Plans Preparation for Submittal				8	8					\$ 2,880.00
	Task 2.6 Total	0	0	0	28	14	0	0	0	13	\$ 8,810.00
	Task 1 - PS&E Total	0	0		120	148	0	0	0	13	\$ 48,860.00
2	Project Bidding										
2.1	Project Bidding										
2.1.1	Prepare Addenda										\$ -
2.1.2	Contractor Questions (RFI)										\$ -
2.1.3	Attend Pre-Bid Conference										\$ -
2.1.4	Tabulate Bids										\$ -
2.1.5	Prepare Recommendation Letter										\$ -
	Task 2 Project Bidding Total	0	0	0	0	0	0	0	0	0	\$ -
3	Construction Support										
3.1	Construction Support (If Required)										
3.1.1	Preconstruction Meeting										\$ -
3.1.2	Review Shop Drawings										\$ -
3.1.3	General Construction Support										\$ -
3.1.4	Prepare Change Orders as Necessary										\$ -
	Task 3 Construction Support Total	0	0	0	0	0	0			0	\$ -
	Total Tasks 1, 2, & 3	0	0		120	148	0	0	0	13	\$ 48,860.00