

SUPPLEMENTAL WORK AUTHORIZATION NO. 1
TO
WORK AUTHORIZATION NO. 8

**PROJECT: Engineering Design Services for Drainage Improvements on CR 130
from FM 1660 to CR 131**

This Supplemental Work Authorization No. 1 to Work Authorization No. 8 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March 6, 2018 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Alliance Transportation Group (the "Engineer").

WHEREAS, the County and the Firm executed Work Authorization No. 8 dated effective March 6, 2018 (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 this Work Authorization is hereby increased from **\$100,457.00** to **\$199,616.00**. The revised Work Schedule is attached hereto as Attachment "C".
- II. The above referenced Work Authorization termination date shall be modified to **September 30, 2023**. The Services to be Provided by the Firm shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. 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 Engineer.

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:

Alliance Transportation Group

By: 
Signature

Clint Jumper, P.E., PTOE
Printed Name

Senior Vice President
Title

COUNTY:

Williamson County, Texas

By: _____
Signature

Bill Gravell, Jr.
Printed Name

Williamson County Judge
Title

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

Please see next page.

Attachment A
Services to be Provided by County
CR 130

Williamson County Road & Bridge Division personnel will provide:

- Project direction, review, and oversight
- Geotechnical investigations, data, and 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

Please see next pages.

Attachment B

Services to be Provided by the Engineer

Project Location:

CR 130 from FM 1660 to CR 131 ~ approximately 3 miles ~ Williamson County Texas

Task 1: Project Management

Attend Progress Review Meetings with County Road & Bridge department at 90% and Final. Prepare monthly progress reports and invoices. Maintain project schedule and perform QA/QC.

Task 2: Topographic and R.O.W Surveys

N/A

Task 3: Preliminary Engineering

CR 130 Pavement Rehabilitation from Chandler Creek Rd to Landfill Rd

Conduct Site Visit, Field Reconnaissance, and existing project data collection to document existing conditions. Prepare preliminary Project Layout and Traffic Control Plans. Develop preliminary Cost Estimate, General Notes and Governing Specifications, and Construction Schedule for bidding purposes.

Initial Plan Sheets:

- Title Sheet / Index of Sheets
- Estimate & Quantity Sheet
- Typical Sections
- Driveway Details
- Traffic Control Plan and TCP Narrative (include erosion control plan)
- Project Layout sheets
- Standards
- Initial Construction Cost Estimate
- Initial Construction Schedule
- Initial Governing Specifications & General Notes

CR 130 Schematic from FM 1660 to CR 131

- Develop Conceptual Schematic Layout Alternatives and design refinements on scroll plot (1"=200' Full Scale plot) reflecting for Alternatives and design refinements
- ROW/Property Base Map information, roadway centerline, Typical Sections and existing drainage features for Alternatives and design refinements
- Prepare Preliminary Cross-Sections (50' interval) for Alternatives and design refinements
- Develop preliminary drainage analysis including delineation of drainage areas, calculation of peak stormwater runoff rates for 5-yr, 10-yr, and 25-yr storm events for proposed parallel drainage for Alternatives and design refinements

Task 4: Geotechnical Investigations
To be provided by the County

Task 5: Environmental Studies
N/A

Task 6: Utility Coordination
N/A

Task 7: FEMA Coordination
N/A

Task 8: Final Engineering
Address 90% PS&E package review comments and prepare Final PS&E package for bidding purposes:

Final Plan Sheets:

- Title Sheet / Index of Sheets
- Estimate & Quantity Sheet to include updated pavement design
- Typical Sections to include updated pavement design
- Driveway Details
- Traffic Control Plan and TCP Narrative (include erosion control plan) [to include updated plan revision for CR 130 Detour and revised Construction Sequence needed for lime treated subgrade installation methodology]
- Project Layout sheets
- Standards
- Final Construction Cost Estimate to include updated pavement design
- Final Construction Schedule to include updated pavement design
- Final Governing Specifications & General Notes to include updated pavement design
- Prepare Bid-Tabs for processing by Purchasing Department

Task 9: Bidding Phase Services
N/A

Task 10: Construction Phase Services
N/A

Pavement Rehab Deliverables:

Final Submittal (Address comments):

- 2 paper copies of 11" x 17" Plan Sheets
- Estimate of Construction Cost
- Governing Specifications and General Notes
- Construction Schedule

- Engineer's internal QA/QC marked up set
- Electronic copy of submittal documents in PDF format

Schematic Deliverables:

Preliminary Engineering Final Submittal:

- • 2 paper copies of Conceptual Schematic Layout scroll plot (1"=200' Full Scale plot)
- • Final preliminary Cross-Sections (50' interval)
- • Final preliminary drainage analysis report
- • Engineer's internal QA/QC marked up set
- • Electronic copy of submittal documents in PDF format on CD
- • Electronic native Microstation Design files

Attachment C - Work Schedule

Alliance Transportation Group shall provide a work schedule for the assigned tasks. Work shall begin immediately upon receipt of agreement between County and Alliance Transportation Group on the work schedule and authorization to proceed on assigned services

Attachment D - Fee Schedule

Please see next pages.

Task Description	Project Principal	Senior Project Manager	Project Manager	Hydraulic Engineer	Senior Engineer	Project Engineer	Engineer -In- Training	Senior Engineering Technician	Engineering Technician	Project Administrator	Clerical	Total Labor Hours & Costs
Task 1: Project Management												
Progress Review Meetings (1 meeting)		3										3
Invoicing and Progress Reports		10						5		12		27
Subconsultants												0
QA/QC of Deliverables at 90% and FINAL		4	14						8			26
Labor Hours Subtotal	0	17	14	0	0	0	0	5	8	12	0	56
Contract Labor Rate Per Hour	\$ 265.00	\$ 244.00	\$ 230.00	\$ 210.00	\$ 205.00	\$ 160.00	\$ 115.00	\$ 133.00	\$ 92.00	\$ 104.00	\$ 85.00	
Labor Costs Subtotal	\$ -	\$ 4,148.00	\$ 3,220.00	\$ -	\$ -	\$ -	\$ -	\$ 665.00	\$ 736.00	\$ 1,248.00	\$ -	\$ 10,017.00

Task Description	Project Principal	Senior Project Manager	Project Manager	Hydraulic Engineer	Senior Engineer	Project Engineer	Engineer -In- Training	Senior Engineering Technician	Engineering Technician	Project Administrator	Clerical	Total Labor Hours & Costs
Task 3: Preliminary Engineering												
CR130 Pavement Rehab												
Title Sheet / Index of Sheets					10	2	14		8			34
Typical Sections					10	2	22		20			54
Driveway Details					12	10			8			30
Traffic Control Plan (Layout 1"=50') & Narrative		8			12	12	34		28			94
Project Layout Plan sheets (1"=50')		4			12	12	26		32			86
Standards					2	4	10		6			22
Cost Estimate / Estimate and Quantity Sheet		6			5	2	4		2			19
Governing Specifications & General Notes to include updated pavement design		4			2		4		2			12
Construction Schedule		8										8
Assemble & Submit 90% PS&E		2							6			8
CR 130 Schematic												
Develop Conceptual Schematic Layout Alternatives reflecting Alternatives and design refinements		10			8	10	40					68
ROW/Property Base Map information, roadway centerline, Typical Sections and existing drainage for Alternatives and design refinements		10			4	6	20					40
Prepare Preliminary Cross-Sections (50' interval) for Alternatives and design refinements		10			2	6	20					38
Develop preliminary drainage analysis for Alternatives and design refinements		10			2	6	20					38
Labor Hours Subtotal	0	72	0	0	81	72	214	0	112	0	0	551
Contract Labor Rate Per Hour	\$ 265.00	\$ 244.00	\$ 230.00	\$ 210.00	\$ 205.00	\$ 160.00	\$ 115.00	\$ 133.00	\$ 92.00	\$ 104.00	\$ 85.00	
Labor Costs Subtotal	\$ -	\$ 17,568.00	\$ -	\$ -	\$ 16,605.00	\$ 11,520.00	\$ 24,610.00	\$ -	\$ 10,304.00	\$ -	\$ -	\$ 80,607.00

Task Description	Project Principal	Senior Project Manager	Project Manager	Hydraulic Engineer	Senior Engineer	Project Engineer	Engineer -In- Training	Senior Engineering Technician	Engineering Technician	Project Administrator	Clerical	Total Labor Hours & Costs
Task 8: Final Engineering												
Address 90% PS&E review comments		8			2		12					22
Final QTY's, E&Q Sheet & Construction Cost Estimate		2			2		6					10
Final Governing Specifications & General Notes		6					2					8
Final Construction Schedule		2										2
Assemble & Submit Final PS&E (Bid Tabs)		2					4					6
Labor Hours Subtotal	0	20	0	0	4	0	24	0	0	0	0	48
Contract Labor Rate Per Hour	\$ 265.00	\$ 244.00	\$ 230.00	\$ 210.00	\$ 205.00	\$ 160.00	\$ 115.00	\$ 133.00	\$ 92.00	\$ 104.00	\$ 85.00	
Labor Costs Subtotal	\$ -	\$ 4,880.00	\$ -	\$ -	\$ 820.00	\$ -	\$ 2,760.00	\$ -	\$ -	\$ -	\$ -	\$ 8,460.00

DESCRIPTION											TOTAL MH BY TASK	TOTAL COST BY TASK
Task 1: Project Management											56	\$ 10,017.00
Task 2: Topographic and R.O.W. Surveys											0	\$ -
Task 3: Preliminary Engineering											551	\$ 80,607.00
Task 4: Geotechnical Investigation											0	\$ -
Task 5: Environmental Studies											0	\$ -
Task 6: Utility Coordination											0	\$ -
Task 7: FEMA Coordination											0	\$ -
Task 8: Final Engineering											48	\$ 8,460.00
Task 9: Bidding Phase Services											0	\$ -
Task 10: Construction Phase Services											0	\$ -
SUBTOTAL LABOR COST											655	\$ 99,084.00

DIRECT EXPENSES

Description	Unit	Cost/Unit	Quantity	Total Cost
Mileage	mile	\$ 0.535		\$ -
Standard Postage - Letter	each	\$ 0.50		\$ -
Certified Letter Return Receipt	each	\$ 6.70		\$ -
Overnight Mail - Letter Size	each	\$ 25.00		\$ -
Overnight Mail - Oversized Box	each	\$ 30.00		\$ -
Courier Services	each	\$ 50.00		\$ -
Photocopies B/W (8 1/2" x 11")	each	\$ 0.25	100	\$ 25.00
Photocopies B/W (11" x 17")	each	\$ 0.50	100	\$ 50.00
Photocopies Color (8 1/2" x 11")	each	\$ 1.00		\$ -
Photocopies Color (11" x 17")	each	\$ 2.00		\$ -
Plots (B/W on Bond)	square foot	\$ 6.00		\$ -
Plots (Color on Bond)	square foot	\$ 8.00		\$ -
CDs	each	\$ 0.50		\$ -
SUBTOTAL DIRECT EXPENSES				\$ 75.00

SUMMARY	
SUBTOTAL LABOR COST	\$ 99,084.00
SUBTOTAL DIRECT EXPENSE	\$ 75.00
TOTAL	\$ 99,159.00