

WORK AUTHORIZATION NO. 4
PROJECT: Wilco Design Roadway Schematic CR233 & CR240 Package

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated **June 14, 2022** and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **Alliance Transportation Group, LLC** (the "Engineer").

Part 1. The Engineer will provide the following Engineering Services set forth in Attachment "B" of this Work Authorization.

Part 2. The maximum amount payable for services under this Work Authorization without modification is **\$365,000.00**.

Part 3. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 4. This Work Authorization shall become effective on the date of final acceptance and full execution of the parties hereto and shall terminate on **December 31, 2025**. The Engineering Services set forth in Attachment "B" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

Part 6. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Engineer understands and agrees that County's payment of amounts under this 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 this Contract. It is further understood and agreed by Engineer that County shall have the right to terminate this Contract 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.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

Continued next page

EXECUTED this _____.

ENGINEER:

Alliance Transportation Group, LLC

By: _____

Signature

JD Allen

Printed Name

President

Title

COUNTY:

Williamson County, Texas

By: _____

Signature

Printed Name

Title

ATTACHMENT A
SERVICES TO BE PROVIDED BY THE COUNTY
FOR WA04 Wilco Design Roadway Schematic CR233 & CR240 Package

In general, Williamson County and its representatives to their best efforts will render services as follows:

1. Provide available appropriate County data on file including plans and specifications that are deemed pertinent to the completion of the work required by the scope of services (including topographic survey, R.O.W Surveys, geotechnical investigations; data and reports).
2. Provide available criteria and full information as to the client's requirements for the project. Provide project direction, review, and oversight to ensure compliance with County goals and requirements.
3. Provide information on any meetings/discussions held with adjoining property owners that may impact the project.
4. Provide timely reviews and decisions necessary for the Engineer to maintain the project work schedule. Review recommendations offered by the Engineer, progress of work, and final acceptance of all documents.
5. Support project development efforts with stakeholders, coordinate meetings and interface with stakeholders, as needed.
6. Post and maintain project information for public consumption on the County website.
7. Assist with Coordination between the Engineer and the County's other consultants.
8. Review Engineer progress, submittals, and plan changes.
9. Conduct pre-bid meetings, respond to contractor questions during bidding, tabulate and evaluate bids after bid opening, and provide recommendations for the award of the contract.
10. Provide construction oversight, administration, and management to ensure the project is executed in accordance with approved plans and specifications.

Attachment B

Services to be Provided by the Engineer

Project Location:

CR 233 Phases 1-4 from FM 487 to SH 195 NBFR ~ Williamson County Texas

CR 240 from SH 195 to approximately 4,300' east ~ Williamson County Texas

CR 233:

Task 1: Project Management

- Attend up to 3 meetings with County Road & Bridge department.
- Prepare monthly progress reports and invoices.
- Perform QA/QC.

Task 2: Topographic and R.O.W Surveys

N/A

Task 3: Preliminary Engineering

- Conduct Site Visit, Field Reconnaissance, review preliminary design and collect project data from county GIS.
- Preliminary Drainage to determine proposed culvert sizes
- Prepare up to two (2) conceptual alignments using ConceptStation and select one (1) preferred alternative to be further developed as the preliminary schematic.
- Prepare preliminary schematic submittal including proposed cross sections, typical sections, roadway centerline, proposed drainage structures, direction of flow and number of travel lanes, property boundaries based on WCAD, and bridge locations.
- Preliminary High Level Construction Cost Estimate

Task 4: Geotechnical Investigations

N/A

Task 5: Environmental Studies

N/A

Task 6: Utility Coordination

N/A

Task 7: FEMA Coordination

N/A

Task 8: Final Engineering

N/A

Task 9: Bidding Phase Services

N/A

Task 10: Construction Phase Services

N/A

Deliverables:

- Drainage tech memo
- KMZ file for conceptual alternatives
- Preliminary Schematic Submittal including cost estimate and preliminary cross sections

Exclusions:

- TCEQ Contributing Zone Plan and calculations
- Interchange at SH 195

CR 240:

Task 1: Project Management

Attend up to 2 meetings with County Road & Bridge department. Prepare monthly progress reports and invoices. Perform QA/QC.

Task 2: Topographic and R.O.W Surveys

County to provide new flight data aerials and topographic DGN files.

Task 3: Preliminary Engineering

- County to provide drainage analysis and proposed ditches
- Conduct Site Visit, Field Reconnaissance, review preliminary design and existing project data collection.
- Prepare preliminary schematic submittal including proposed ROW using OpenRoad model, typical sections, roadway centerline, direction of traffic flow and number of travel lanes, property boundaries based on WCAD.
- Evaluate the geometric design of CR 240 as it approaches SH 195
- Preliminary High Level Construction Cost Estimate

Task 4: Geotechnical Investigations

N/A

Task 5: Environmental Studies

N/A

Task 6: Utility Coordination

N/A

Task 7: FEMA Coordination

N/A

Task 8: Final Engineering

N/A

Task 9: Bidding Phase Services

N/A

Task 10: Construction Phase Services

N/A

Deliverables:

- Preliminary Schematic Submittal including cost estimate and proposed ROW needed

Exclusions:

- Drainage Analysis and Design
- TCEQ Contributing Zone Plan and calculations

ATTACHMENT C
SCHEDULE FOR
WA04 Wilco Design Roadway Schematic CR233 & CR240 Package

<u>Task</u>	<u>Description</u>	<u>Begin Date</u>	<u>End Date</u>
	NTP	7/29/2025	
1.	Project Management	7/29/2025	12/28/2025
2.	Draft Design	7/29/2025	9/10/2025
4.	Final Design	9/10/2025	9/30/2025

DESCRIPTION	1711-206-CR 233	1711-206-CR 240	TOTAL MH BY TASK	TOTAL COST BY TASK
Task 1: Project Management	149	72.5	221.5	\$ 52,854.50
Task 3: Preliminary Engineering	1329	530	1859	\$ 307,901.00
SUBTOTAL LABOR COST	1478	602.5	2080.5	\$ 360,755.50

DESCRIPTION	1711-206-CR 233	1711-206-CR 240	Total Cost
Mileage	\$ 210.00	\$ 98.00	\$ 308.00
Photocopies B/W (8 1/2" x 11")	\$ 25.00	\$ 6.25	\$ 31.25
Photocopies B/W (11" x 17")	\$ 50.00	\$ 12.50	\$ 62.50
Plots (Color on Bond)	\$ 2,304.00	\$ 384.00	\$ 2,688.00
SUBTOTAL LABOR COST	\$ 2,589.00	\$ 500.75	\$ 3,089.75

SUMMARY	1711-206-CR233 & CR240
SUBTOTAL LABOR COST	\$ 360,755.50
SUBTOTAL DIRECT EXPENSE	\$ 3,089.75
TOTAL	\$ 363,845.25

Assumed to be PM

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												
County Meetings (3 meetings via Teams)	4.5					6						10.5
Internal Progress meetings (10)	10			10		10	10					40
Invoicing and Progress Reports (3)	4.5									6		10.5
QA/QC of Deliverables		40	40						8			88
Labor Hours Subtotal	19	40	40	10	0	16	10	0	8	6	0	149
Contract Labor Rate Per Hour	\$ 305.00	\$ 285.00	\$ 257.00	\$ 245.00	\$ 245.00	\$ 200.00	\$ 127.00	\$ 153.00	\$ 111.00	\$ 127.00	\$ 89.00	
Labor Costs Subtotal	\$ 5,795.00	\$ 11,400.00	\$ 10,280.00	\$ 2,450.00	\$ -	\$ 3,200.00	\$ 1,270.00	\$ -	\$ 888.00	\$ 762.00	\$ -	\$ 36,045.00

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												
Drainage												
Field Visit				3								3
Drainage Area Determination				40								40
Cross Culvert Design				30								30
Driveway Culvert Design				40								40
Ditch Capacity Checks				30								30
												0
												0
												0
												0
CR 233 Preliminary Schematic												0
Field Visit	3					3	6					12
Collect Aerial, TOPO, Contours	4					16		24				44
Typical Sections	2					8		16				26
Constraints & ROW mapping	4					4		16				24
Develop 2 Alternatives using ConceptStation	24					40	100	96				260
Draft Preliminary Schematic Design for Preferred Alternative only	8					40	128	80				256
Draft Cross Sections for Preferred Alternative only	4					32	100					136
Final Preliminary Schematic (address one round of comments)	8					32	100	40				180
Final Cross Sections	4					16	80					100
Cost estimate and one update for Preferred Alternative only	4					16	80	48				148
												0
												0
												0
												0
Labor Hours Subtotal	65	0	0	143	0	207	594	320	0	0	0	1329
Contract Labor Rate Per Hour	\$ 305.00	\$ 285.00	\$ 257.00	\$ 245.00	\$ 245.00	\$ 200.00	\$ 127.00	\$ 153.00	\$ 111.00	\$ 127.00	\$ 89.00	
Labor Costs Subtotal	\$ 19,825.00	\$ -	\$ -	\$ 35,035.00	\$ -	\$ 41,400.00	\$ 75,438.00	\$ 48,960.00	\$ -	\$ -	\$ -	\$ 220,658.00

DESCRIPTION											TOTAL MH BY TASK	TOTAL COST BY TASK
Task 1: Project Management											149	\$ 36,045.00
Task 2: Topographic and R.O.W. Surveys											0	\$ -
Task 3: Preliminary Engineering											1329	\$ 220,658.00
Task 4: Geotechnical Investigation											0	\$ -
Task 5: Environmental Studies											0	\$ -
Task 6: Utility Coordination											0	\$ -
Task 7: FEMA Coordination											0	\$ -
Task 8: Final Engineering											0	\$ -
Task 9: Bidding Phase Services											0	\$ -
Task 10: Construction Phase Services											0	\$ -
SUBTOTAL LABOR COST											1478	\$ 256,703.00

DIRECT EXPENSES

Description	Unit	Cost/Unit	Quantity	Total Cost
Mileage	mile	\$ 0.700	300	\$ 210.00
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
Plots (Color on Bond)	square foot	\$ 8.00	288	\$ 2,304.00
SUBTOTAL DIRECT EXPENSES				\$ 2,589.00

SUMMARY	
SUBTOTAL LABOR COST	\$ 256,703.00
SUBTOTAL DIRECT EXPENSE	\$ 2,589.00
TOTAL	\$ 259,292.00

Assumed to be PM

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												
County Meetings (2 meetings via Teams)	3					4						7
Internal Progress meetings (5)	5					5	5					15
Invoicing and Progress Reports (3)	4.5									6		10.5
												0
QA/QC of Deliverables					40							40
Labor Hours Subtotal	12.5	0	0	0	40	9	5	0	0	6	0	72.5
Contract Labor Rate Per Hour	\$ 305.00	\$ 285.00	\$ 257.00	\$ 245.00	\$ 245.00	\$ 200.00	\$ 127.00	\$ 153.00	\$ 111.00	\$ 127.00	\$ 89.00	
Labor Costs Subtotal	\$ 3,812.50	\$ -	\$ -	\$ -	\$ 9,800.00	\$ 1,800.00	\$ 635.00	\$ -	\$ -	\$ 762.00	\$ -	\$ 16,809.50

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												
CR 233 Preliminary Schematic												0
Field Visit	3					3	6					12
Typical Sections	2					4		8				14
Constraints & ROW mapping	4					4		16				24
Draft Preliminary Schematic Design	8					28	64	80				180
Proposed ROW mapping using OpenRoad model	4					8	10					22
Final Preliminary Schematic (address one round of comments)	8					24	64	44				140
Cost estimate	2					8	32	24				66
Geometric Analysis at CR 240 West End	8					32	16	16				72
												0
												0
												0
Labor Hours Subtotal	39	0	0	0	0	111	192	188	0	0	0	530
Contract Labor Rate Per Hour	\$ 305.00	\$ 285.00	\$ 257.00	\$ 245.00	\$ 245.00	\$ 200.00	\$ 127.00	\$ 153.00	\$ 111.00	\$ 127.00	\$ 89.00	
Labor Costs Subtotal	\$ 11,895.00	\$ -	\$ -	\$ -	\$ -	\$ 22,200.00	\$ 24,384.00	\$ 28,764.00	\$ -	\$ -	\$ -	\$ 87,243.00

DESCRIPTION											TOTAL MH BY TASK	TOTAL COST BY TASK
Task 1: Project Management											72.5	\$ 16,809.50
Task 2: Topographic and R.O.W. Surveys											0	\$ -
Task 3: Preliminary Engineering											530	\$ 87,243.00
Task 4: Geotechnical Investigation											0	\$ -
Task 5: Environmental Studies											0	\$ -
Task 6: Utility Coordination											0	\$ -
Task 7: FEMA Coordination											0	\$ -
Task 8: Final Engineering											0	\$ -
Task 9: Bidding Phase Services											0	\$ -
Task 10: Construction Phase Services											0	\$ -
SUBTOTAL LABOR COST											602.5	\$ 104,052.50

DIRECT EXPENSES

Description	Unit	Cost/Unit	Quantity	Total Cost
Mileage	mile	\$ 0.700	140	\$ 98.00
Photocopies B/W (8 1/2" x 11")	each	\$ 0.25	25	\$ 6.25
Photocopies B/W (11" x 17")	each	\$ 0.50	25	\$ 12.50
Plots (Color on Bond)	square foot	\$ 8.00	48	\$ 384.00
SUBTOTAL DIRECT EXPENSES				\$ 500.75

SUMMARY	
SUBTOTAL LABOR COST	\$ 104,052.50
SUBTOTAL DIRECT EXPENSE	\$ 500.75
TOTAL	\$ 104,553.25