

**SUPPLEMENTAL WORK AUTHORIZATION NO. 6
TO
WORK AUTHORIZATION NO. 1**

**WILLIAMSON COUNTY ROAD BOND PROJECT:
RM1431 from US183A to IH 35 (“Project”)**

This Supplemental Work Authorization No. 6 to Work Authorization No. 1 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated **November 21, 2023** (“Contract”) and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **STV Incorporated as successor in interest to CP&Y, Inc dba STV Infrastructure** (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective **January 29, 2024** (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:

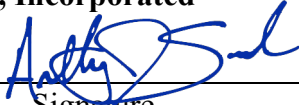
- I. The Services to be Provided by the Engineer that were set out in the original Attachment “B” of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment “B”.
- II. The Work Authorization shall terminate on May 31, 2026. The Services to be Provided by the Engineer 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”.
- III. The maximum amount payable for services under the Work Authorization is hereby increased by \$1,299,093.00 from \$663,423.23 to \$1,962,516.23. The revised Fee Schedule is attached hereto as Attachment “D”.

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:
STV, Incorporated

By: 
Signature

Anthony Serda
Printed Name

Vice President
Title

11/14/2025
Date

COUNTY:
Williamson County, Texas

By: _____
Signature

Printed Name

Title

Date

LIST OF ATTACHMENTS

- Attachment B - Services to be Provided by Engineer
- Attachment C - Work Schedule
- Attachment D - Fee Schedule

APPROVED
By Christen Eschberger at 3:33 pm, Nov 17, 2025

ATTACHMENT B
SERVICES TO BE PROVIDED BY THE ENGINEER FOR
FM 1431 FROM US183A TO I-35

PROJECT DESCRIPTION

Project Limits

The proposed project limits are as follows:

FM 1431 from US183A to IH-35

Proposed Facility

The proposed ultimate facility is a controlled access facility with two express lanes in each direction, five general purpose mainlanes in each direction, two frontage roads lanes in each direction, access ramps with auxiliary lanes, and one shared use path in each direction. The proposed right-of-way (ROW) width needs to be determined along the corridor.

Design Criteria

The proposed design criteria for the project will match existing conceptual layout design criteria.

1. PROJECT MANAGEMENT

a. Communication:

- Designate a project manager to be responsible for the project management, and all communications with the County and its representatives.

b. Monthly Progress Report, Invoices, and Billings (4 months assumed):

- Submit monthly progress status reports to the GEC. Progress reports will include deliverable table, tasks completed, tasks/objectives that are planned for the upcoming periods, lists or descriptions of items or decisions needed from the County and its representatives. Subconsultant progress will be incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to ProjectWise.
- Prepare correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.

c. Quality Assurance and Quality Control (QA/QC) Plan:

- For each deliverable submittal, provide evidence of their internal review and mark-up of that deliverable as preparation for submittal and in accordance with submitted project specific QA/QC plan.
- Provide continuous QA/QC throughout the duration of the scheduled services included herein to appraise both technical and business performance and provide direction for project activities.

d. Project Coordination & Administration:

- Prepare and maintain routine project record keeping including records of meetings and minutes.

- Correspondence and coordination will be handled through and with the concurrence of the GEC.
 - Manage project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Engineer's team/staff, coordinate and review sub-consultant work, correspond with the County and its representatives, and assist the County and its representatives in preparing responses to project-related inquiries.
- e. Progress/Coordination Meetings (6 external meetings assumed):
- Attend coordination/progress meeting with the County and its representatives and stakeholders, as necessary to communicate development of the project and design issues.
 - Prepare agenda and sign-in sheets for external coordination/progress meetings.
 - Prepare meeting minutes for review via email within three (3) business days of the external coordination/progress meeting.
 - Conduct internal coordination meetings as required to advance the development of the project.
- f. Project Schedule and Updates:
- Maintain a project schedule indicating tasks, subtasks, critical dates, milestones, and deliverables. Submit to County as requested.
 - Maintain a project deliverables table.

Deliverables:

- Monthly Invoices and Progress Reports including Deliverable Table
- Meeting Minutes, Sign-In Sheets, and Agendas
- Project Schedule and Updates, including a deliverables table
- Project Files
- QA/QC Documentation

2. **ROUTE AND DESIGN STUDIES**

- a. Data Collection:
- Obtain existing information, including but not limited to as-built plans, construction plans, right of way maps, traffic volume and movements data, environmental reports, studies, future land use maps, floodplain data, floodplain and drainage models and analyses. Obtain construction plans/plats for projects and developments within the project limits and abutting TxDOT and County Roads. Obtain drainage studies, reports, and mapping for the project area, including reports for developments affecting the drainage area. Obtain existing schematics from TxDOT.

- Conduct a desktop investigation of the proposed roadway alignment and the surrounding area to determine field conditions including photographic record of notable existing features. This desktop investigation will be limited to accessible areas within the existing right-of-way.
 - Review the data collected and organize the information.
- b. Design Summary:
- Review the Williamson County’s Long-Range Transportation Plan and other local and regional transportation plans to review and gather information of projects that could impact **the corridor**.
 - Identify and gather data that will be included within the ROW footprint layout, that includes known constraints (structures, floodplain), aerial photography, contour information, utility information, parcel ownership, adjacent proposed & existing developments, and improvements projects, based on research of public databases and sources.
 - Analyze and identify project-specific design criteria (typical sections, design speed, functional classification, geometric criteria) in accordance with the latest versions of TxDOT Criteria Manuals and other associated local and state manuals, as applicable.
 - Develop controlled access roadway typical sections layout based on WCAD parcel data. The controlled access roadway conceptual typical sections that will be developed are, but not limited to:
 - Controlled access roadway constrained to limited proposed ROW
 - Two express lanes, at-grade or grade separated in each direction
 - Five general purpose lanes in each direction, with associated auxiliary lanes, frontage roads and ramps
 - Develop conceptual roadway plan layout with ROW footprint for the desired typical section. Detailed design of geometry, ramps and profiles will be limited to proof of concept of alternatives for concept review. Utilize design guidelines for typical sections and constrained typical section development.
 - Develop preliminary 3D models in constrained areas to validate geometry and ROW needs based on grading requirements. Full 3D tied-down models will not be developed for the full corridor. Cross sections will not be developed for submittal or fully labeled. Models will not distinguish between a notch and widen vs full reconstruction – an overall final configuration is what will be depicted to aid in determining viability of design.
 - Isolated assessment of traffic data (TxDOT STARS II/TCDS, CAMPO 2050 travel demand model) will be limited to high-level capacity analysis for the corridor. Managed lane ingress/egress locations will also be proposed based on a high-level assessment of corridor demands.
 - Isolated drainage coordination to aid in potential impacts for alternatives.

- Isolated bridge coordination to aid in potential impacts for alternatives for bridge crossings, wishbone or braided ramps, and three additional directional interchanges.
- Develop the preliminary construction costs for preliminary layout utilizing the proposed typical sections mentioned above.
- Refine the controlled access roadway typical sections and ROW footprint layout (recommended alternative only) based on stakeholder input, design criteria, existing structures, potential displacements, right of way limits and requirements, known developments, FEMA floodplain areas, existing and proposed drainage structures and issues, and other known environmental features.

Deliverables:

- Preliminary Controlled Access Roadway Typical Sections, including preliminary construction cost estimates for each section (pdf and hardcopies)
- Final Typical Section Concept and ROW footprint layout (pdf and hardcopies)

3. PUBLIC INVOLVEMENT

As this is a Road Bond Project, public involvement activities will be conducted through the County's existing public involvement contract with Rifeline. The engineer will provide support for the Public Involvement plans for the following activities:

- Public Involvement Plan
 - One person will attend meetings (up to 3 meetings assumed).
- Provide support for meetings with Stakeholder meetings.
- Deliverables:**
 - Property owner exhibits (drawing file, pdf, and hardcopies)

4. SURVEYING (NOT APPLICABLE)

5. RIGHT-OF-WAY (ROW) MAPPING

- Develop and maintain adjacent property ownership information spreadsheet to be used for disseminating project information including owner's name, tenant name for leased property, mailing address, property address, property id number.
- Develop a list of impacted tracts for the preliminary conceptual layout. Develop a comparison table for each parcel of ROW impacts to compare existing designs to recommended alternative.
- Deliverables:**
 - Affected property owner list (drawing file, pdf, and hardcopies)

6. CONCEPTUAL SCHEMATIC DEVELOPMENT

a. CONCEPTUAL SCHEMATIC:

- Prepare preliminary conceptual layout to depict proposed alternative, typical sections, roadway centerline, number of travel lanes, WCAD property boundaries, and proposed ROW locations.
- Preliminary conceptual layout will be plan view only with limited callouts.
- Provide quality control over the design and plots.

b. DELIVERABLES:

- Preliminary Conceptual Submittal including cost estimate per submittal requirements.
- Final Conceptual Schematic Submittal including cost estimate per submittal requirements.

7. DRAINAGE STUDY (NOT APPLICABLE)

8. ENVIRONMENTAL STUDIES & DOCUMENTS:

a. Preliminary Desktop Review

- Prepare a preliminary environmental analysis, including gathering available data from regulatory agencies and prior environmental documents from the following resources: Natural Resources, Cultural Resources, Major Utilities (Pipelines and Transmission lines), and known environmental sensitive areas to be included into the ROW footprint Layout.
- Prepare memo summarizing concerns and constraints for each alternative for justification of preferred alternative.

b. **Deliverables:**

- Constraints Map
- GIS file will be generated depicting the information gathered. This information will be included in the ROW footprint layout.

DELIVERABLES SUBMITTAL:

- Contract documents, including a pdf copy of each deliverable, native electronic files, models and calculations will be uploaded to the County's project management database at each milestone and at the completion of the project. One hard copy of each deliverable will be provided unless additional copies are required per the submittal checklist.

9. EXCLUSIONS:

- a. The following items are not included in this work authorization:
- TRAFFIC DATA COLLECTION OR TRAFFIC ANALYSIS
 - GEOTECHNICAL SERVICES AND PAVEMENT DESIGN
 - SURVEYING
 - DRAINAGE STUDY AND ANALYSIS
 - FULL SCHEMATIC DESIGN
 - ENVIRONMENTAL SERVICES:
 - ENDANGERED SPECIES ACT COMPLIANCE
 - TXDOT NEPA DOCUMENTATION
 - NATIONWIDE PERMIT (NWP) 14 WITH A PRE-CONSTRUCTION NOTIFICATION (PCN)
 - WATER QUALITY ANALYSIS
 - PLAN PREPARATION (PS&E) SERVICES
 - BIDDING PHASE SERVICES
 - CONSTRUCTION PHASE SERVICES
 - UTILITY COORDINATION OR RELOCATION ESTIMATES
 - RIGHT OF ENTRY TO PRIVATE PROPERTIES

Attachment D - Fee Schedule

**RM 1431
183A to IH 35
Williamson County**

Task Description		Total Cost
TOTAL LABOR COSTS		
1. PROJECT MANAGEMENT		
	STV	\$62,480.00
	HDR	\$53,270.00
	<i>1. PROJECT MANAGEMENT Subtotal</i>	\$115,750.00
2. Route Studies		
	STV	\$765,525.00
	HDR	\$210,738.00
	<i>2. Route Studies Subtotal</i>	\$976,263.00
3. Public Involvement		
	STV	\$13,280.00
	HDR	\$6,448.00
	<i>3. Public Involvement Subtotal</i>	\$19,728.00
4. ROW Mapping		
	STV	\$30,420.00
	HDR	\$11,828.00
	<i>4. ROW Mapping Subtotal</i>	\$42,248.00
6. Conceptual Schematic Development		
	STV	\$71,680.00
	HDR	\$48,606.00
	<i>6. Conceptual Schematic Development Subtotal</i>	\$120,286.00
8. ENVIRONMENTAL STUDIES & DOCUMENTS 8		
	STV	\$8,220.00
	HDR	\$15,898.00
	<i>8. ENVIRONMENTAL STUDIES & DOCUMENTS Subtotal</i>	\$24,118.00
SUBTOTAL LABOR EXPENSES		\$1,298,393.00
DIRECT EXPENSES		
	STV	\$0.00
	HDR	\$700.00
SUBTOTAL DIRECT EXPENSES		\$700.00
WORK AUTHORIZATION NO. 1 TOTAL		\$ 1,299,093.00

<u>SUMMARY of Cost breakdown by Firm</u>		
	STV	\$951,605.00
	HDR	\$347,488.00

Attachement D - Fee Schedule

**RM 1431
183A to IH 35
Williamson County**

Fee Schedule

Project Phase	Task Description	Project Manager	Senior Project Engineer	Senior Env Planner	Env Planner IV	Env Scientist III	Env Scientist I/II	GIS Analyst II	GIS Analyst I	Admin/Clerical I	Total Labor Hours	Total Direct Labor Costs
		\$350.00	\$300.00	\$265.00	\$195.00	\$140.00	\$115.00	\$145.00	\$105.00	\$130.00		
	8. ENVIRONMENTAL STUDIES & DOCUMENTS											
	Preliminary Desktop Review											
	Constraints Mapping			16	2		6	20			44	\$ 8,220.00
											0	\$ -
											0	\$ -
											44	\$ 8,220.00
	8. ENVIRONMENTAL STUDIES & DOCUMENTS Sub Total											
	HOURS SUB-TOTALS	0	0	16	2	0	6	20	0	0	44	
	SUBTOTAL	\$ -	\$ -	\$ 4,240.00	\$ 390.00	\$ -	\$ 690.00	\$ 2,900.00	\$ -	\$ -		\$ 8,220.00

TASK DESCRIPTION	Project Manager	Senior QC Reviewer	Project Engineer	Design Engineer (S-10 yrs)	Engineer in Training II	Senior GIS Technician	Sr Engineer Technician	CADD Operator	Senior Structural Engineer	Structural Engineer II	Senior Project Engineer	Sr Traffic Engineer	Traffic Engineer	Senior Env Project Manager	Senior Env Project Planner	Sr Environmental Scientist	Env Scientist	Env Planner IV	Env Planner III	Env Planner I/II	Admin/Clerical	TOTAL LABOR HOURS & COSTS
Subconsultant- HDR																						
1. Project Management																						
a. Communication																						
Project Management and County Communication	12																					12
b. Monthly Progress Reports, Invoices, and Billings																						
Prepare and Submit Invoices and Progress Reports	4		4																		8	16
c. Quality Assurance and Quality Control Plan																						
Prepare a Project Specific QA/QC Plan	2	2																				4
QC of Each Deliverable	12	48																				60
Provide Continuous QA/QC	12																					12
d. Project Coordination and Administration																						
Project Coordination and Administration	12																					12
e. Progress/ Coordination Meetings																						
Coordination Meetings (External)	6										6											12
Meeting Agenda and Sign-in Sheets											6											6
Meeting Minutes											6											6
Conduct Internal Coordination Meetings	12						12				12											36
HOURS SUB-TOTALS	72	50	4	0	0	0	12	0	0	0	30	0	0	0	0	0	0	0	0	0	8	176
CONTRACT RATE PER HOUR	\$341.00	\$342.00	\$181.00	\$160.00	\$131.00	\$148.00	\$160.00	\$107.00	\$300.00	\$269.00	\$273.00	\$295.00	\$223.00	\$311.00	\$266.00	\$200.00	\$144.00	\$163.00	\$138.00	\$121.00	\$98.00	\$0.00
TOTAL LABOR COSTS	\$24,552.00	\$17,100.00	\$724.00	\$0.00	\$0.00	\$0.00	\$1,920.00	\$0.00	\$0.00	\$0.00	\$8,190.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$784.00	\$53,270.00
% DISTRIBUTION OF STAFFING	40.9%	38.4%	2.3%	0.0%	0.0%	0.0%	6.8%	0.0%	0.0%	0.0%	17.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%	
SUBTOTAL (1. Project Management)																						
2. Route and Design Studies																						
a. Data Collection																						
Perform Record Research	2					8	8															22
Conduct a Field Investigation			4				8				4											12
b. Design Summary																						
Review long Range Transportation Master Plan											8											8
Project-specific design criteria	2	1									4											6
Preliminary Typical Sections	2	1						30			4											41
Final Typical Sections	2	1						30			4											17
Conceptual Roadway Layout	8	16	40	80			120				40											304
Prelim 3D model	4	12	80				160															246
Analysis of Traffic Data	2	2			130																	104
Drainage Coordination	4		24								24	32	48									52
Bridge Coordination	8		24						40													72
Draft Preliminary Cost Estimate	2	1					24				16											43
Final Preliminary Cost Estimate	2	1					24				16											43
HOURS SUB-TOTALS	38	34	172	80	120	8	344	40	40	0	124	32	48	0	0	0	0	0	0	0	0	1080
CONTRACT RATE PER HOUR	\$341.00	\$342.00	\$181.00	\$160.00	\$131.00	\$148.00	\$160.00	\$107.00	\$300.00	\$269.00	\$273.00	\$295.00	\$223.00	\$311.00	\$266.00	\$200.00	\$144.00	\$163.00	\$138.00	\$121.00	\$98.00	\$0.00
TOTAL LABOR COSTS	\$12,958.00	\$11,628.00	\$31,132.00	\$12,800.00	\$15,720.00	\$1,184.00	\$55,040.00	\$4,280.00	\$12,000.00	\$0.00	\$33,852.00	\$9,440.00	\$10,704.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$210,738.00
% DISTRIBUTION OF STAFFING	3.5%	3.1%	15.9%	7.4%	11.1%	0.7%	31.9%	3.7%	3.7%	0.0%	11.5%	3.0%	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
SUBTOTAL (2. Route and Design Studies)																						
3. Public Involvement																						
a. Public Involvement Support																						
Attend Meeting	6																					6
b. Stakeholder Meeting Support																						
Support for Meetings (up to 3 exhibits)	3						16				3											22
HOURS SUB-TOTALS	9	0	0	0	0	0	16	0	0	0	3	0	0	0	0	0	0	0	0	0	0	28
CONTRACT RATE PER HOUR	\$341.00	\$342.00	\$181.00	\$160.00	\$131.00	\$148.00	\$160.00	\$107.00	\$300.00	\$269.00	\$273.00	\$295.00	\$223.00	\$311.00	\$266.00	\$200.00	\$144.00	\$163.00	\$138.00	\$121.00	\$98.00	\$0.00
TOTAL LABOR COSTS	\$3,069.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$2,560.00	\$0.00	\$0.00	\$0.00	\$819.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,448.00
% DISTRIBUTION OF STAFFING	32.1%	0.0%	0.0%	0.0%	0.0%	0.0%	57.1%	0.0%	0.0%	0.0%	10.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
SUBTOTAL (3. Public Involvement)																						
4. ROW and Mapping																						
a. ROW and Mapping																						
Adjacent property ownership							8															8
ROW Impacts		2					48				8											58
HOURS SUB-TOTALS	0	2	0	0	0	0	56	0	0	0	8	0	0	0	0	0	0	0	0	0	0	66
CONTRACT RATE PER HOUR	\$341.00	\$342.00	\$181.00	\$160.00	\$131.00	\$148.00	\$160.00	\$107.00	\$300.00	\$269.00	\$273.00	\$295.00	\$223.00	\$311.00	\$266.00	\$200.00	\$144.00	\$163.00	\$138.00	\$121.00	\$98.00	\$0.00
TOTAL LABOR COSTS	\$0.00	\$684.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,960.00	\$0.00	\$0.00	\$0.00	\$2,184.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11,828.00
% DISTRIBUTION OF STAFFING	0.0%	7.1%	0.0%	0.0%	0.0%	0.0%	20.0%	0.0%	0.0%	0.0%	28.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
SUBTOTAL (4. ROW and Mapping)																						
5. Schematic Design and Development																						
a. Develop Preliminary Schematic																						
10% Submittal Preliminary Schematic	2		8	22							40											62
60% Submittal Preliminary Schematic	2		24	48							100											174
100% Submittal Preliminary Schematic	2		8	32							60											102
HOURS SUB-TOTALS	6	0	40	112	0	0	0	0	0	0	200	0	0	0	0	0	0	0	0	0	0	338
CONTRACT RATE PER HOUR	\$341.00	\$342.00	\$181.00	\$160.00	\$131.00	\$148.00	\$160.00	\$107.00	\$300.00	\$269.00	\$273.00	\$295.00	\$223.00	\$311.00	\$266.00	\$200.00	\$144.00	\$163.00	\$138.00	\$121.00	\$98.00	\$0.00
TOTAL LABOR COSTS	\$2,046.00	\$0.00	\$7,240.00	\$17,920.00	\$0.00	\$0.00	\$0.00	\$21,400.00	\$0.00	\$0.00	\$50.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$48,606.00
% DISTRIBUTION OF STAFFING	1.7%	0.0%	11.2%	31.3%	0.0%	0.0%	0.0%	35.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
SUBTOTAL (5. Schematic Design and Development)																						

