

SUPPLEMENTAL WORK AUTHORIZATION NO. 2
TO
WORK AUTHORIZATION NO. 1

WILLIAMSON COUNTY ROAD BOND PROJECT:
DAVILLA STREET CULVERT REPLACEMENT

This Supplemental Work Authorization No. 2 to Work Authorization No. 1 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated May 5, 2020 (“Contract”) and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and RS&H, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective August 18, 2020 (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-2” (attached).
- II. The Work Authorization shall terminate on April 30, 2022. The Services to be Provided by 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-2” (attached).
- III. The maximum amount payable for services under the Work Authorization is hereby increased by \$22,086.00 from \$61,409 to \$83,495. The Fee Schedule is attached hereto as “Attachment D-2” (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: 
Signature

George N. Tsiouvaras, PE
Printed Name

Vice President
Title

September 15, 2021
Date

COUNTY:

By: _____
Signature

Printed Name

Title

Date

LIST OF ATTACHMENTS

- Attachment B-2 - Services to be Provided by Engineer
- Attachment C-2 – Work Schedule
- Attachment D-2 – Fee Schedule



ATTACHMENT B-2
SWA2
SERVICES TO BE PROVIDED BY THE ENGINEER FOR
DAVILLA STREET CULVERT REPLACEMENT

PROJECT DESCRIPTION

Project Limits

The project limits are from the intersection of Walton Street and Davilla Street east to the railroad crossing.

Existing Facility

Existing culvert under two lane brick road north of the intersection of Davilla Street and Walton Street.

Proposed Facility

Proposed culvert and pavement replacement north of the intersection of Davilla Street and Walton Street.

Design Criteria

The proposed design criteria for the project will be developed from Williamson County and TxDOT design criteria and UPRR guidelines. It is anticipated that in most cases the most stringent of the design criteria will be used.

1. **PROJECT MANAGEMENT**

a. Communication:

- Designate one Licensed Professional Engineer (Texas) to be responsible for the project management, and all communications with the County and its representatives.

b. Monthly Progress Report, Invoices, and Billings (2 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. Project Coordination & Administration:

- Prepare and maintain routine project record keeping including records of meetings and minutes.
- Correspondence and coordination will be handled through & 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.

- d. Progress/Coordination Meetings (2 external meetings assumed):
 - Attend a kickoff meeting and 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.
- e. Project Schedule:
 - Maintain a project schedule indicating tasks, subtasks, critical dates, milestones, and deliverables. Submit to County as requested.
- f. **Deliverables:**
 - Monthly Invoices and Progress Reports including Deliverable Table
 - Meeting Minutes, Sign-In Sheets, and Agendas
 - Project Schedule and Updates
 - Project Files
 - QA/QC Documentation with Deliverable

8. PLAN PREPARATIONS (PS&E) (Drainage and Roadway Project)

Prepare plans per the current Williamson County Design Criteria Manual including applicable submittal requirements including cost estimate, checklists, hardcopies, CAD files, comment responses, design waivers/exceptions, general notes, quantities, updated design schedule, construction time determination. The engineer will develop and submit these Plans, Specifications & Estimates (PS&E) at Final Design.

- a. Roadway/General:
 - Title Sheet
 - Prepare a project title sheet as required for the construction plans, utilizing the template provided by the County.
 - Index of Sheets
 - Prepare an index sheet(s) that shows each sheets location in the plan set.
 - Project Layout
 - Prepare a project layout sheet(s) that clearly indicates the limits of the entire project.
 - Typical Sections
 - Prepare typical section(s) for all proposed and existing roadways and cross streets.
 - General Notes
 - Prepare general notes for applicable project-specific items, utilizing the master general notes provided by the County.

- Horizontal Alignment Data
 - Prepare horizontal alignment data sheet(s) that depict the horizontal geometric information for the roadways to be included in the construction plan set.
- Summary Sheets
 - Prepare summary sheet(s) that tabulate, combine, and summarize quantities of the various construction items.
- Removal Plans
 - Prepare removal sheet(s) that clearly identify any items to be removed.
- Roadway Plan & Profiles
 - Prepare roadway plan and profile sheets that depict the proposed construction.
- Miscellaneous/Intersection Grading
 - Develop miscellaneous/intersection grading roadway detail sheets for the project that depict details required, which are not defined in standard detail sheets.
- Cross Sections
 - Develop cross sections at 50-foot stations and other locations as necessary for the determination of cut and fill quantities. These sections will also be used to further refine the design vertical geometry.
- Special Provision – Colored Textured Concrete and Landscape Pavers (Item 528)
 - Develop special provision for Item 528 for governing matters particular to the project that are not covered in the standard specifications.
- Update plans per final GEC QA/QC comments
 - Address final plans per QA/QC comments provided by the GEC. Comments are to be incorporated prior to letting to construction.

b. Traffic Control:

- Traffic Control Plans (TCP)
 - Prepare a detailed narrative for the sequence of construction and traffic control general notes utilizing the sequence approved during the schematic phase. Any changes to the sequence of construction will be approved by the County prior to developing detailed TCP layouts.
 - Prepare detailed TCP typical section for each phase.
 - Develop traffic control detail(s) for items not covered by County or TxDOT standard details.
 - Compute an Engineer’s opinion of construction schedule in order to determine an approximate duration for each of the phases of construction.
 - Consider the construction sequence and plan for temporary functioning of drainage systems.

- c. Drainage:
 - Roadside Ditch Design
 - Provide pertinent information about the roadside ditch geometry and design, including station, offset, flow line elevation, velocity, ditch lining material, as well as ditch bottom width.
- d. Signing and Pavement Markings Layouts:
 - Prepare signing and pavement marking layouts.
 - Prepare pavement marking details for non-standard conditions.
 - Prepare detail sheets for small signs for non-standard signs.
- e. Stormwater Pollution Prevention Plan (SW3P):
 - Develop SW3P narrative in conformance with the TCP to minimize potential impacts to receiving waterways.
 - Prepare Temporary Erosion Control Layouts.

Deliverables:

- Final PS&E Submittals including applicable Williamson County Submittal Checklists

10. CONSTRUCTION PHASE SERVICES

- a. Attend Meetings (3 assumed):
 - i. Visit the project site on request (3 hours per visit) during construction to address questions on interpretation of plans.

EXCLUSIONS:

The following items are not included in this work authorization:

- DRAINAGE REPORT
- SCHEMATIC DEVELOPMENT.
- FEMA COORDINATION (INCLUDING CLOMR OR LOMR).
- TXDOT NEPA DOCUMENTATION.
- NATIONWIDE PERMIT (NWP) 14 WITH A PRE-CONSTRUCTION NOTIFICATION (PCN).
- UTILITY COORDINATION OR RELOCATION ESTIMATES.

ATTACHMENT C-2

SWA2

WORK SCHEDULE							
		2021		2022			
Act ID	Activity Description	Nov	Dec	Jan	Feb	Mar	Apr
13	Final Design						
14	Final PS&E Submittal Milestone						
15	Final Williamson County Review						
16	Project Ready to Let (RTL)						
	Construction Phase Services (CPS)						

ATTACHMENT D-2 FEE SCHEDULE

Prime Provider: RS&H, Inc.

SUMMARY													
TASK	TASK DESCRIPTION	RS&H, Inc.		HVJ South Central Texas - M&J, Inc.		McGray and McGray Land Sureveyors, Inc.		WSB & Associates, Inc.		Cox McLain Environmental Consulting, Inc.		TOTALS	
		Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Cost	Hours	Total
PS&E DESIGN													
1	PROJECT MANAGEMENT	21	\$ 3,190.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	21	\$ 3,190.00
2	ROUTE AND DESIGN STUDIES	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
3	TRAFFIC EVALUTATIONS & PROJECTIONS	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
4	PUBLIC INVOLVEMENT	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
5	SURVEYING	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
6	ENVIRONMENTAL SERVICES	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
7	GEOTECHNICAL SERVICES	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
8	PLAN PREPARATIONS (PS&E) (Drainage and Roadway Project)	122	\$ 17,771.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	122	\$ 17,771.00
9	BIDDING PHASE SERIVCES	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -	0	\$ -
10	CONSTRUCTION PHASE SERVICES	9	\$ 1,125.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	9	\$ 1,125.00
LABOR TOTALS		152	\$ 22,086.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	152	\$ 22,086.00
Direct Expenses			\$ -		\$ -		\$ -		\$ -		\$ -		\$ -
TOTAL COST			\$ 22,086.00		\$ -		\$ -		\$ -		\$ -		\$ 22,086.00
Percentage Breakdown			100.00%		0.00%		0.00%		0.00%		0.00%		100.00%

ATTACHMENT D-2 FEE SCHEDULE

Prime Provider: RS&H, Inc.

TASK DESCRIPTION	PROJECT MANAGER	QUALITY MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	ENGINEER IN TRAINING	ENVIRONMENTAL SPECIALIST	TRANSPORTATION PLANNER	DESIGNER	OPERATION ASST	VISUALIZATION	ADMIN	TOTAL LABOR HRS. & COSTS
1. PROJECT MANAGEMENT	1		4										5
Communication					4								4
Monthly Progress Report, Invoices & Billings					2								2
Project Coordination & Administration					10								10
HOURS SUB-TOTALS	1	0	4	0	16	0	0	0	0	0	0	0	21
CONTRACT RATE PER HOUR	\$250.00	\$265.00	\$235.00	\$165.00	\$125.00	\$112.00	\$135.00	\$100.00	\$135.00	\$115.00	\$130.00	\$70.00	
TOTAL LABOR COSTS	\$250.00	\$0.00	\$940.00	\$0.00	\$2,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,190.00
SUBTOTAL PROJECT MANAGEMENT													\$3,190.00

TASK DESCRIPTION	PROJECT MANAGER	QUALITY MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	ENGINEER IN TRAINING	ENVIRONMENTAL SPECIALIST	TRANSPORTATION PLANNER	DESIGNER	OPERATION ASST	VISUALIZATION	ADMIN	TOTAL LABOR HRS. & COSTS
8. PLAN PREPARATIONS (PS&E) (Drainage and Roadway Project)													
Roadway General	1	8											9
Title & Index Sheets					1	2							3
Typical Sections					1	2							3
General Notes													0
Update to latest version			4		4								8
Horizontal Alignment Data						1							1
Summary Sheets			2		2	2							6
Removal Plans						1							1
Roadway Plan & Profiles					2	6							8
Miscellaneous/Intersection Grading Detail Sheet					2	4							6
Cross Sections													0
3D Modeling/Proposed Grading					4	6							10
Special Provision for Item 528			4		10								14
Traffic Control Plans (TCP)													0
Traffic Control Plans (TCP)					2	4							6
Sequence of Construction & Traffic Control General Notes					2	4							6
Detour Layouts revision per UPRR					2	4							6
Compute Engineer's Opinion of Construction Schedule			4		6								10
Drainage													0
Roadside Ditch Design			2		2	2							6
Signing and Pavement Markings Layouts													0
Signing & Pavement Marking Layouts					1	1							2
Stormwater Pollution Prevention Plan (SW3P)													0
Temporary Erosion Control Layouts					1	1							2
Update Plans per final GEC QA/QC Comments		1			6	8							15
													0
HOURS SUB-TOTALS	1	9	16	0	48	48	0	0	0	0	0	0	122
CONTRACT RATE PER HOUR	\$250.00	\$265.00	\$235.00	\$165.00	\$125.00	\$112.00	\$135.00	\$100.00	\$135.00	\$115.00	\$130.00	\$70.00	
TOTAL LABOR COSTS	\$250.00	\$2,385.00	\$3,760.00	\$0.00	\$6,000.00	\$5,376.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17,771.00
SUBTOTAL PLAN PREPARATIONS (PS&E)													\$17,771.00

ATTACHMENT D-2 FEE SCHEDULE

Prime Provider: RS&H, Inc.

TASK DESCRIPTION	PROJECT MANAGER	QUALITY MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	DESIGN ENGINEER	ENGINEER IN TRAINING	ENVIRONMENTAL SPECIALIST	TRANSPORTATION PLANNER	DESIGNER	OPERATION ASST	VISUALIZATION	ADMIN	TOTAL LABOR HRS. & COSTS
10. CONSTRUCTION PHASE SERVICES													
Request for Information - RFIs (3 assumed)													0
Attend Site Visits and/or meetings													0
Respond to Contract RFIs & Provide Clarification													0
Review Contractor Submittals & Shop Drawings (10 assumed)													0
Plan Revisions for Field Changes													0
Attend Meetings													0
Attend Meetings at the Project Site or Williamson County office													0
Visit Project site on Request (3 hrs per visit)					9								9
HOURS SUB-TOTALS	0	0	0	0	9	0	0	0	0	0	0	0	9
CONTRACT RATE PER HOUR	\$250.00	\$265.00	\$235.00	\$165.00	\$125.00	\$112.00	\$135.00	\$100.00	\$135.00	\$115.00	\$130.00	\$70.00	
TOTAL LABOR COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$1,125.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,125.00
SUBTOTAL CONSTRUCTION PHASE SERVICES													\$1,125.00

DESCRIPTION	TOTAL MH BY TASK	TOTAL COSTS TASK
1. PROJECT MANAGEMENT	21	\$ 3,190.00
2. ROUTE AND DESIGN STUDIES	0	\$ -
3. TRAFFIC EVALUATIONS AND PROJECTIONS	0	\$ -
4. PUBLIC INVOLVEMENT	0	\$ -
5. SURVEYING	0	\$ -
6. ENVIRONMENTAL SERVICES	0	\$ -
7. GEOTECHNICAL SERVICES	0	\$ -
8. PLAN PREPARATIONS (PS&E) (Drainage and Roadway Project)	122	\$ 17,771.00
9. BIDDING PHASE SERVICES	0	\$ -
10. CONSTRUCTION PHASE SERVICES	9	\$ 1,125.00
SUBTOTAL LABOR EXPENSES	152	\$ 22,086.00

SUMMARY	
TOTAL COSTS FOR PRIME ONLY (includes multiplier)	\$ 22,086.00
NON-SALARY (OTHER DIRECT EXPENSES)	\$ -
SUBCONTRACTS (includes labor costs and direct expenses)	\$ -
GRAND TOTAL	\$ 22,086.00