

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

**WILLIAMSON COUNTY ROAD BOND PROJECT:
GRANGER FM 971**

This Supplemental Work Authorization No. 1 to Work Authorization No. 1 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated March 19, 2024 (“Contract”) and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and AtkinsRealis USA Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective **May 8, 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-1” (must be attached).
- II. The Work Authorization shall terminate on December 31, 2025 . 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-1” (must be attached).
- III. The maximum amount payable for services under the Work Authorization is hereby increased from \$159,991.20 to \$176,991.20. The revised Fee Schedule is attached hereto as Attachment “D-1” (must be 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, to be effective as of the date of the last party's execution below.

ENGINEER:

By: 
Signature

Daphne King
Printed Name

Division Manager
Title

3-19-2025
Date

COUNTY:

By: _____
Signature

Printed Name

Title

Date

LIST OF ATTACHMENTS

Attachment B-1 - Services to be Provided by Engineer

Attachment C-1 - Work Schedule

Attachment D-1 - Fee Schedule

APPROVED
By Christen Eschberger at 2:56 pm, Apr 01, 2025

ATTACHMENT B-1
SERVICES TO BE PROVIDED BY THE ENGINEER FOR
GRANGER FM 971

PROJECT DESCRIPTION

Project Limits

Limits are from approximately 300' east of County Road 348 to approximately 840' west of County Road 349 with an approximate length of 1800'.

Existing Facility

The existing facility is a 2-lane uncurbed road with 12' lanes and shoulders that vary from 2' to 5'. The existing right-of-way varies from approximately 70' to 120'.

Proposed Facility

Proposed improvements include the addition of a continuous left turn lane within the limits of the school site and two right-turn lanes at each of the school driveways.

Design Criteria

The project will be designed in accordance with Williamson County and TxDOT Roadway Design criteria.

1. PROJECT MANAGEMENT *(No additional scope under this SWA 1)*
2. ROUTE AND DESIGN STUDIES
 - a. DATA COLLECTION: (No change)
 - b. DESIGN CRITERIA: (No change)
 - c. REDESIGN OF TURN LANES TO GRANGER HIGH SCHOOL
 - The left and right turn lanes in the previous design provided by others did not meet the 55 mph design speed. Turn lanes were designed to 35 mph for future school zone for the 60% submittal and re-designed to meet the 55 mph design speed.
 - d. DELIVERABLES: (No change)
3. PUBLIC INVOLVEMENT *(No additional scope under this SWA 1)*
4. UTILITY COORDINATION SUPPORT *(No additional scope under this SWA 1)*

5. SURVEYING – N/A on call survey to be used *(No additional scope under this SWA 1)*
6. DRAINAGE STUDY
 - a. DATA COLLECTION (No change)
 - b. HYDROLOGIC/HYDRAULIC CALCULATIONS (No change)
 - c. IMPACT AND MITIGATION ANALYSIS: N/A (No change)
 - d. DITCH AND DRIVEWAY ANALYSIS (9 driveways assumed): (no change)
 - e. DRAINAGE REDESIGN FOR UPDATED SURVEY
 - Re-analyze drainage areas, ditch configuration and ditch capacity to update hydrologic flows computed for 10, 25 and 100- year design frequency events.
 - Re-design driveway culvert, accounting for minimum cover requirements and revised headwater and tailwater conditions.
 - f. DELIVERABLES: (No change)
7. ENVIRONMENTAL SERVICES *(No additional scope under this SWA 1)*
8. GEOTECHNICAL SERVICES – Engineer shall use TxDOT recommended pavement design. *(No additional scope under this SWA 1)*
9. PLAN PREPARATION
 - a. Plans shall be prepared per Wilco and TxDOT (No change)
 - b. DESIGN CRITERIA: (No change)
 - c. ROADWAY: (No change)
 - d. DRAINAGE: (No change)
 - e. SIGNING, MARKINGS, & SIGNALIZATION: (No change)
 - f. TRAFFIC CONTROL: (No change)
 - g. WATER QUALITY: (No change)

h. ADDITIONAL PLAN PREPARATION

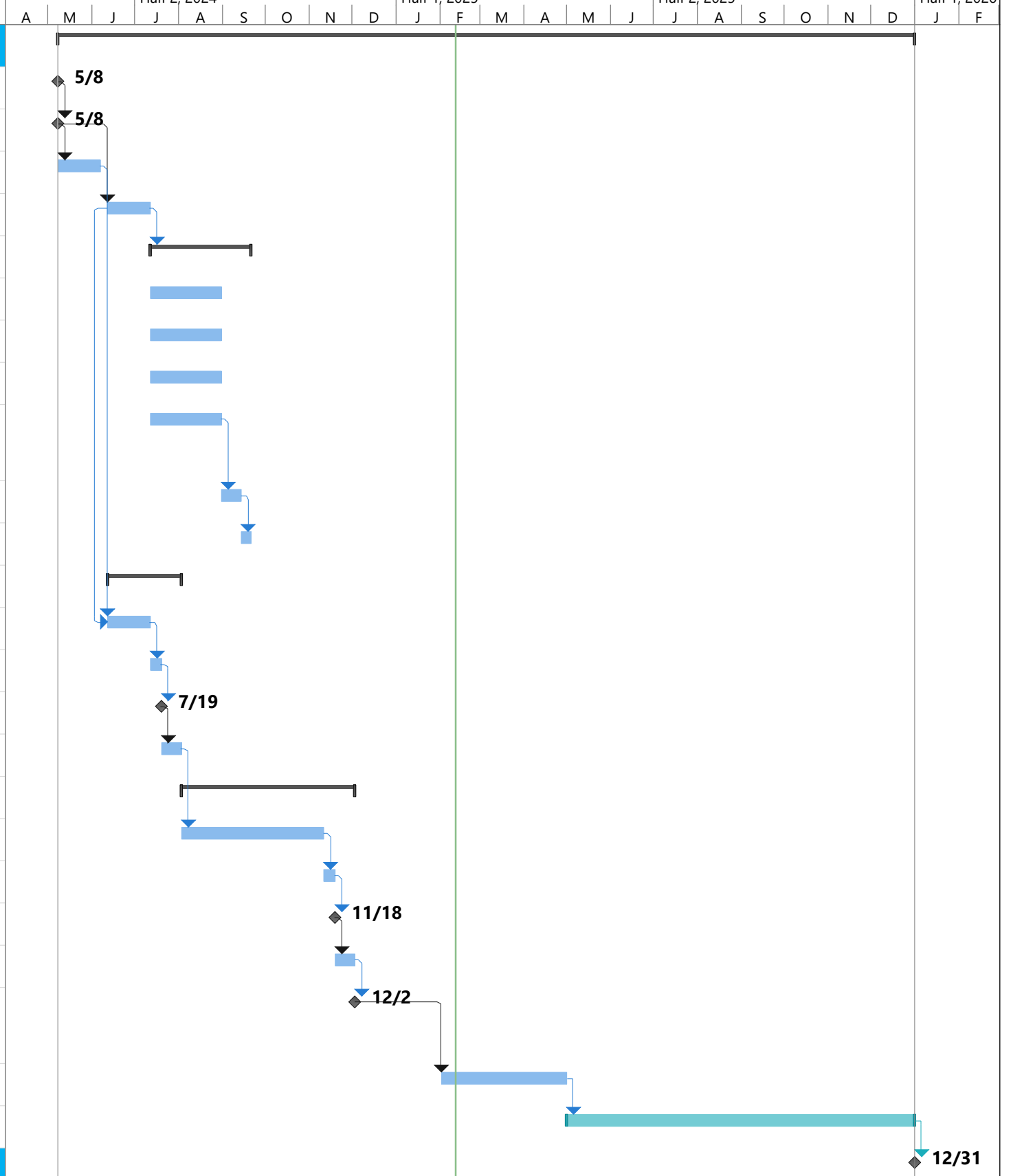
- Limited information on GLS plans required additional work to update roadway plan and profile and drainage sheets.
 1. Roadway plan and profile sheets – only callouts were useable during conversion, alignments were recreated and re-drawn.
 2. Drainage – downloaded and attached useable aerial and contour file for accurate drainage area delineation

i. DELIVERABLES: (No change)

10. BIDDING PHASE SERVICES (*No additional scope under this SWA 1*)

11. EXCLUSIONS (No change)

ID	Task Name	Duration	Start	Finish	Predecessors	Successors	Half 2, 2024							Half 1, 2025					Half 2, 2025				Half 1, 2026							
							A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	
1	FM 971 Granger - PS&E	603 days	Wed 5/8/24	Wed 12/31/25																										
2	Anticipated NTP	0 days	Wed 5/8/24	Wed 5/8/24		3																								
3	Kick Off Meeting	0 days	Wed 5/8/24	Wed 5/8/24	2	4,5FS+35 days																								
4	Data Collection	30 days	Wed 5/8/24	Thu 6/6/24	3	14																								
5	Survey (Williamson County on-call contract)	30 days	Wed 6/12/24	Thu 7/11/24	3FS+35 days	14SS,6																								
6	Environmental	71 days	Fri 7/12/24	Fri 9/20/24	5																									
7	Draft Surface Water Analysis Form	50 days	Fri 7/12/24	Fri 8/30/24																										
8	Draft Species Analysis Form and Spreadshe	50 days	Fri 7/12/24	Fri 8/30/24																										
9	Historic Resources Pre-Coordination Reque	50 days	Fri 7/12/24	Fri 8/30/24																										
10	Draft Archeologic Resources Background Study	50 days	Fri 7/12/24	Fri 8/30/24		11																								
11	TxDOT Environmental Review	14 days	Sat 8/31/24	Fri 9/13/24	10	12																								
12	Final Environmental Submittal	7 days	Sat 9/14/24	Fri 9/20/24	11																									
13	Prepare 60% plans	52 days	Wed 6/12/24	Fri 8/2/24																										
14	Roadway & Drainage design	30 days	Wed 6/12/24	Thu 7/11/24	4,5SS	15																								
15	QA/QC	8 days	Fri 7/12/24	Fri 7/19/24	14	16																								
16	Submit 60% plans	0 days	Fri 7/19/24	Fri 7/19/24	15	17																								
17	County review of 60% plans	14 days	Sat 7/20/24	Fri 8/2/24	16	19																								
18	Prepare Final PS&E plans	122 days	Sat 8/3/24	Mon 12/2/24																										
19	Roadway & Drainage design	100 days	Sat 8/3/24	Sun 11/10/24	17	20																								
20	QA/QC	8 days	Mon 11/11/24	Mon 11/18/24	19	21																								
21	Submit Final PS&E plans	0 days	Mon 11/18/24	Mon 11/18/24	20	22																								
22	County review of Final PS&E plans	14 days	Tue 11/19/24	Mon 12/2/24	21	23																								
23	Submit Signed and Sealed Final PS&E plans	0 days	Mon 12/2/24	Mon 12/2/24	22	24FS+61 days																								
24	Bid Phase Services	88 days	Sun 2/2/25	Wed 4/30/25	23FS+61 days	25																								
25	Construction Phase Services	245 days	Thu 5/1/25	Wed 12/31/25	24	26																								
26	PS&E Contract Termination Date	0 days	Wed 12/31/25	Wed 12/31/25	25																									



**FM 971 Granger WA1 SWA1
Attachment D-1 - Fee Schedule**

TASK	Sr Advisor	Sr Project Manager	Project Manager	Sr Engineer II	Sr Engineer I	Project Engineer	Design Engineer	EIT I	Engineer Tech	Jr Engineer Tech	Sr CADD Operator				
Hourly Rate:	\$ 350.00	\$ 340.00	\$ 300.00	\$ 330.00	\$ 270.00	\$ 200.00	\$ 170.00	\$ 120.00	\$ 140.00	\$ 120.00	\$ 150.00	Sub Total	Hr/Unit	Labor	
AtkinsRealis USA, Inc.	Hours											Hours		Cost	
1. Project Management (9 months)															
2. Route and Design Studies															
c. Additional Design for Turn Lanes															
i. right/left turn lane redesign	2		2		4	8		16				32			\$5,900.00
3. Public Involvement															
4. Utilities															
5. Surveying															
6. Drainage Study															
c. Additional design missing from GLS design															
i. re-analyze drainage areas and flows					2		4	2				8			\$1,460.00
ii. redesign driveway culvert					2		6	2				10			\$1,800.00
7. Environmental Services															
8. Geotechnical Services															
9. Plan Preparation															
h. Additional plan preparation effort															
i. Plan and profile			2		2		4	4			10	22			\$3,800.00
ii. Drainage					4			8			10	22			\$3,540.00
10. Bidding Phase Services															
11. Exclusions															
												94			
HOURS:	2		4		14	8	14	32			20	Row Total = 94			
LABOR COST:	\$ 700	\$ -	\$ 1,200	\$ -	\$ 3,780	\$ 1,600	\$ 2,380	\$ 3,840	\$ -	\$ -	\$ 3,000				\$16,500.00

Direct Expenses:	Quantity	Rate	Total
Photocopies Color (8 1/2" X 11") (per page	202.00	\$0.20	\$ 40.40
Photocopies B/W (11" X 17") (per page)	300.00	\$0.15	\$ 45.00
Photocopies Color (11" X 17") (per page)	300.00	\$0.22	\$ 66.00
ERIS Radius Report	1.00	\$350.00	\$ 350.00
Direct Expenses total =		\$	500.00
Labor total =		\$	16,500.00
WA1 Total =		\$	17,000.00