

**SUPPLEMENTAL WORK AUTHORIZATION NO. 4  
TO WORK AUTHORIZATION NO. 1  
PROJECT: Ronald Reagan Segment D2**

This Supplemental Work Authorization No. 4 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated 03/19/2024 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and American Structurepoint, Inc. (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 1 dated effective March 22, 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. Additional Services to be provided for this Supplemental Work Authorization are shown in Attachment B-4.
- II. The maximum amount payable for services under the Work Authorization is increased from \$2,873,447.89 to \$3,098,620.89 reflecting a total increase of \$225,173.00 as shown Attachment "D-4" of the Supplemental Work Authorization.

Except as otherwise amended by prior Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect:

EXECUTED this \_\_\_\_\_ day of \_\_, 2025.

ENGINEER:

American Structurepoint, Inc.

COUNTY:

Williamson County, Texas

By: <sup>Signed by:</sup> *Benjamin W. Borcharding*  
DEEB909A5C25424...  
Signature

By: \_\_\_\_\_  
Signature

Benjamin W. Borcharding  
\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Printed Name

Chief Operating Officer  
\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

LIST OF ATTACHMENTS

- Attachment B-4 – Services to be Provided by Engineer
- Attachment D-4 – Fee Schedule

**APPROVED**  
By Christen Eschberger at 2:49 pm, Dec 18, 2025

**ATTACHMENT B-4  
SERVICES TO BE PROVIDED BY THE ENGINEER FOR  
RONALD REAGAN BOULEVARD (SEGMENT D2)  
CR 245 TO SH 195**

**PROJECT DESCRIPTION**

Project Limits

The project limits are from East of CR 245 to SH 195 Stub-out approximately (from Station 1980+00 to Station 2145+00, of the Ultimate Ronald Reagan Schematic), a length of 3.12 miles. [WA project limits were East of CR 245 to Sun City Blvd (from Station 1980+00 to Station 2092+00) for a project length of 2.12 miles.]

Proposed Facility

The proposed facility is a new 2 lane road with 12' lanes, shoulders, turn lanes and intersection improvements that will serve as the westbound frontage road of the Ultimate Ronald Reagan Blvd Controlled Access Roadway. On the west end, the project will tie into the proposed westbound Ronald Reagan Blvd. Segment D1 designed by others east of CR 245. On the east end, the project will tie to the existing stub out, just west of SH 195. The existing Ronald Reagan Blvd roadway will be overlaid and restriped to serve as two eastbound lanes with shoulders for the same limits listed above. The project will include turn lanes at Silver Spur Blvd west, Silver Spur Blvd east, Ridgetop Vista Dr and Sun City Blvd. It is anticipated that the bridge class culvert at Jennings Branch shown in the schematic will be redesigned to a bridge. The main project plan set will consist of plans tying back to the existing roadway just east of the new Berry Creek Bridge. Optional Additional sheets will be included that extends the project all the way to the SH 195 stub-out. Design will be done for the entire length of project, but the submitted plans will only go beyond the Berry Creek Bridge. The additional length of the project will be included as an optional additional in the plans, should the County have enough funding for the entire length of roadway. The facility will include one new signal at Sun City Blvd and Ronald Reagan. New flashing beacon signals will be added at Silver Spur West, Silvert Spur East, and Above & Beyond Way.

1. PROJECT MANAGEMENT

A. Project Coordination and Administration

The engineer shall combine the D1 and D2 plan sets into a single document for letting. The engineer shall be responsible for the following:

- Create a combined Title Sheet. The current RRD1 and RRD2 title sheets will be included in the plan set, this will be a new Title Sheet at the beginning of the combined plan set.
- Combine the General Notes from RRD1 and RRD2 to cover both plan sets.
- Combine the bid forms from RRD1 and RRD2 into a single bid form

- Combine the PCM from RRD1 and RRD2 into a single construction manual
- Combine the Construction Time Determinations into a single CTD. Additional coordination with the GEC construction group may refine the CTD. The updated CTD will include updates based on utility clearance dates.
- Coordination meeting with design team and GEC

2. PUBLIC INVOLVEMENT

No change to original WA, SWA1, SWA2, or SWA3

3. UTILITY COORDINATION SUPPORT

No change to original WA, SWA1, SWA2, or SWA3

4. SURVEYING

No change to original WA, SWA1, SWA2, or SWA3

5. DRAINAGE STUDY

a. HYDROLOGIC/HYDRAULIC MODELING (1 major channel crossing):

- Review the updated proposed bridge layout
- Incorporate the updated proposed bridge layout in the hydraulic model
- Analyze the hydraulic results

b. IMPACT AND MITIGATION ANALYSIS:

- Prepare an impact analysis to determine increases in peak flow rates for the 100-year storm including: existing and proposed peak flow rates, and mitigation analysis.

c. SCOUR ANALYSIS (1 bridge-class crossing assumed):

- Prepare the scour analysis based on the updated HEC-RAS hydraulic modeling of proposed bridge-class crossing per *Evaluating Scour at Bridges (HEC 18)*.

d. DELIVERABLES:

- Summarize the findings and prepare Final Drainage Report (included with 90% PS&E submittal).

6. ENVIRONMENTAL SERVICES

No change to original WA, SWA1, SWA2, or SWA3

7. GEOTECHNICAL SERVICES

No change to original WA, SWA1, SWA2, or SWA3

8. PLAN PREPARATION

The engineer shall update the plans to incorporate a right turn lane along Ronald Reagan going to Sun City Blvd. north. The Engineer shall coordinate with utility owners and developers to incorporate any known constraints.

c. ROADWAY:

- i. Update roadway paving file, proposed typical sections, and cross sections for the new right turn lane. Optimize bridge structure low chord, superstructure type and depth in coordination with roadway and hydraulic requirements.
- ii. Update design for added right turn lane on Berry Creek Bridge. Design and detail bridge including layout, beam layout, abutment and span details, and standards per TxDOT's Bridge Project Development Manual, Load and Resistance Factor Design (LRFD) Bridge Design Manual, and Bridge Detailing Manual Bridge Design Manual. Custom bridge design and details are anticipated due to presence of SUP on bridge and non-standard width. No aesthetic treatments are required. No 3D modelling of bridge structure in Bentley OpenBridge is required (typical TxDOT requirement).
- iii. Add retaining wall design near Berry Creek Bridge to maintain existing ROW and minimize impacts to existing utilities.
- iv. Update all quantities and summary of quantity sheets for added right turn lane.

d. DRAINAGE: Revise drainage calculations and plans to accommodate new driveway intersection at Sun City Blvd.

- v. Prepare revised hydraulic calculations for the design of drainage structures and detention structures on the project and inclusion in the plans.
- vi. Revise drainage area maps delineating drainage area boundaries based on USGS topographic maps, local contour maps, and/or field survey data.

- vii. Update the proposed storm sewer system, drainage outfalls, cross drainage structures, culverts, channels, roadside ditches, minimum side slopes, and erosion and sedimentation control.
- viii. Internal/local hydraulic system is assumed to be a combination of closed storm system to open ditch.
- ix. Update Drainage Sheets:
  - 1. External Drainage Area Maps
  - 2. Interior Drainage Area Maps
  - 3. Hydraulic Data Sheets
  - 4. Drainage Computation Sheets

e. SIGNING & MARKINGS

Update signing and marking layout per current version of Texas Manual of Uniform Traffic Control Devices (TMUTCD) for right turn lane to Sun City Blvd north.

Update traffic signal plan sheets for 4<sup>th</sup> leg of Sun City Blvd at Ronald Reagan Blvd and Sun City Blvd including: roadway improvements, installation, additional traffic controls, illumination, elevation sheets, phase sequence diagrams, signal sequence table, flashing operation, cycle length, interval timing, power source location, quantities, signal timing for final and construction phases.

f. TRAFFIC CONTROL:

Update traffic control plan sequence of construction narrative, phase layout sheets, and detour layout as needed to direct traffic around construction activities per Texas Manual of Uniform Traffic Control Devices (TMUTCD).

g. WATER QUALITY:

- Wilco/TCEQ Coordination. The Engineer shall coordinate with Williamson County, City of Georgetown, and TCEQ on utilization of Jellyfish BMPs prior to preparation of plan sheets and WPAP application.
- Revise the Draft Water Pollution Abatement Plan (WPAP) to reflect the change to Jellyfish BMPs . Draft WPAP to be reviewed by Wilco. Final

WPAP to be submitted to TCEQ for approval. Submit Agent Authorization Form, application, and pay Application Fee(s).

- Revise Water Quality Layout Plan Sheets and Pond Design Plan Sheets for 90%PS&E submittals. Structural design of outlet structure, retaining walls and/or structural pond walls and related construction details are not included in WATER QUALITY scope.
- Update Stormwater Pollution Prevention Plan (SWPPP) and EPIC Sheet.

h. DELIVERABLES

- 100% PS&E Submittal; per 100%/Final Plan Submittal Checklist
- Final PS&E Submittal; see 100%/Final Plan Submittal Checklist

i. PERMITS

No change to original WA, SWA1, SWA2, or SWA3

j. BIDDING PHASE SERVICES

No change to original WA, SWA1, SWA2, or SWA3

k. ASSUMPTIONS

No change to original WA, SWA1, SWA2, or SWA3

**ATTACHMENT D-4: FEE SCHEDULE  
WILLIAMSON COUNTY  
Ronald Reagan Segment D2 - SWA4 to WAI**

**American Structurepoint Inc.**

Task	American Structurepoint	Garver	Total Labor
Combine D1 and D2 Plan Sets			
1. Project Management and Coordination	\$21,295.00		\$21,295.00
<b>TOTAL</b>	\$21,295.00	\$0.00	<b>\$21,295.00</b>

Task	American Structurepoint	Garver	Total Labor
Right Turn Lane at Sun City Blvd			
1. Project Management and Coordination	\$4,920.00	\$2,066.00	\$6,986.00
5. Drainage Study		\$13,327.00	\$13,327.00
8. Plan Preparation	\$151,865.00	\$14,197.00	\$166,062.00
<b>TOTAL</b>	\$156,785.00	\$29,590.00	<b>\$186,375.00</b>

Task	American Structurepoint	Garver	Total Labor
Update Stormceptors to Jellyfish			
1. Project Management and Coordination		\$ 2,066.00	\$2,066.00
8. Plan Preparation		\$ 15,437.00	\$15,437.00
<b>TOTAL</b>	\$0.00	\$17,503.00	<b>\$17,503.00</b>

Total for Combining Plan Set, Adding Right Turn Lane, and Updating WQ to Jellyfish	\$178,080.00	\$47,093.00	<b>\$225,173.00</b>
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**ATTACHMENT D-4: FEE SCHEDULE  
WILLIAMSON COUNTY  
Ronald Reagan Segment D2 - SWA1 to WA1 - Right Turn Lane at Sun City Blvd**

**Garver, LLC**

	Project Manager	Senior Project Engineer	Project Engineer	Design Engineer	Senior EIT	EIT	Admin / Clerical	Total Hours	Total Labor
Rates	\$ 283.00	\$ 517.00	\$ 257.00	\$ 181.00	\$ 150.00	\$ 136.00	\$ 100.00		
<b>1. Project Management and Coordination</b>	4	2	0	0	2	0	0	8	\$ 2,066.00
Coordination with design team and GEC	4	2			2			8	\$ 2,066.00
								0	\$ -
<b>5. Drainage Study</b>	1	12	0	0	48	15	0	76	\$ 13,327.00
<b>a. Hydrologic / Hydraulic Modeling</b>									
Review the updated proposed bridge layout with right turn lane	1				6			7	\$ 1,183.00
Incorporate the proposed bridge in the HEC-RAS model					4	2		6	\$ 872.00
Analyze the hydraulic results		2			8	2		12	\$ 2,106.00
<b>b. Impact and Mitigation Analysis</b>									
Prepare impact and mitigation analysis		1			6	1		8	\$ 1,353.00
<b>c. Scour Analysis</b>									
Update bridge scour calculation		1			8			9	\$ 1,517.00
QA/QC		2				4		6	\$ 1,178.00
<b>d. Deliverables</b>									
Compile the hydraulic model for submission					4			4	\$ 600.00
Update drainage report		2			12	4		18	\$ 2,978.00
QA/QC		4				2		6	\$ 1,540.00
								0	\$ -
<b>8. Plan Preparation</b>	2	0	10	5	26	46	0	89	\$ 14,197.00
<b>d. Drainage</b>									
Update drainage area maps and hydraulic calculations for drainage system	1		1	1	4	8		15	\$ 2,409.00
Update stormsewer layouts and associated plan / profile sheets			2	2	20	12		36	\$ 5,508.00
Update drainage computation sheets and drainage area maps			1	2	2	8		13	\$ 2,007.00
<b>g. Water Quality</b>									
Update water quality calculations to include turn lane	1		2			10		13	\$ 2,157.00
Update WPAP report to include updated limits and calcs			4			8		12	\$ 2,116.00
								0	\$ -
<b>Total Garver Direct Labor Hours</b>	7	14	10	5	76	61	0	173	
<b>Percent of Total Hours</b>	4%	8%	6%	3%	44%	35%	0%		
<b>Total Garver Direct Labor (Drainage and WQ) Cost</b>	\$ 1,981.00	\$ 4,438.00	\$ 2,570.00	\$ 905.00	\$11,400.00	\$ 8,296.00	\$ -		\$ 29,590.00
<b>Total Other Direct Expenses Cost</b>									\$0.00
<b>TOTAL PROJECT COST</b>									\$ 29,590.00

**ATTACHMENT D-4: FEE SCHEDULE  
WILLIAMSON COUNTY  
Ronald Reagan Segment D2 - SWA1 to WA1 - Change to Jellyfish**

**Garver, LLC**

	Project Manager	Senior Project Engineer	Project Engineer	Design Engineer	Senior EIT	EIT	Admin / Clerical	Total Hours	Total Labor
Rates	\$ 283.00	\$ 317.00	\$ 257.00	\$ 181.00	\$ 150.00	\$ 136.00	\$ 100.00		
<b>1. Project Management and Coordination</b>	4	2	0	0	2	0	0	8	\$ 2,066.00
Coordination with design team and GEC	4	2			2			8	\$ 2,066.00
								0	\$ -
<b>8. Plan Preparation</b>	2	0	5	6	38	50	0	101	\$ 15,437.00
<b>d. Drainage</b>									
Update drainage area maps and hydraulic calculations for drainage system	1		2	2	4	12		21	\$ 3,391.00
Update stormsewer layouts and associated plan / profile sheets			2	2	32	16		52	\$ 7,852.00
Update drainage computation sheets and drainage area maps			1	2	2	8		13	\$ 2,007.00
<b>g. Water Quality</b>									
Update water quality calculations for Jellyfish	1					6		7	\$ 1,099.00
Update WPAP report to include updated limits and calcs						8		8	\$ 1,088.00
								0	\$ -
<b>Total Garver Direct Labor Hours</b>	6	2	5	6	40	50	0	109	
<b>Percent of Total Hours</b>	6%	2%	5%	6%	37%	46%	0%		
<b>Total Garver Direct Labor (Drainage and WQ) Cost</b>	\$ 1,698.00	\$ 634.00	\$ 1,285.00	\$ 1,086.00	\$ 6,000.00	\$ 6,800.00	\$ -		\$ 17,503.00
<b>Total Other Direct Expenses Cost</b>									\$ 0.00
<b>TOTAL PROJECT COST</b>									\$ 17,503.00