

**WORK AUTHORIZATION NO. 11**  
**PROJECT: ROW Delineation & Mapping CR 239**

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Surveying Services, being dated May 19, 2020 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Surveying And Mapping, LLC (the "Surveyor").

Part 1. The Surveyor will provide the following Surveying 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 \$69,939.50.

Part 3. Payment to the Surveyor 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 January 31, 2025. The Surveying 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. Surveyor 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 Surveyor 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 Surveyor.

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

EXECUTED this \_\_\_\_ day of \_\_\_\_\_, 2023.

SURVEYOR:

Surveying And Mapping, LLC (SAM)

By:   
Signature

SCOTT BRASHEAR  
Printed Name

SR. PROJECT MANAGER  
Title

COUNTY:

Williamson County, Texas

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

Bill Gravell, Jr.  
Printed Name

Williamson County Judge  
Title

## LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Surveyor

Attachment C - Work Schedule

Attachment D - Fee Schedule

## Attachment A - Services to be Provided by County

The County shall:

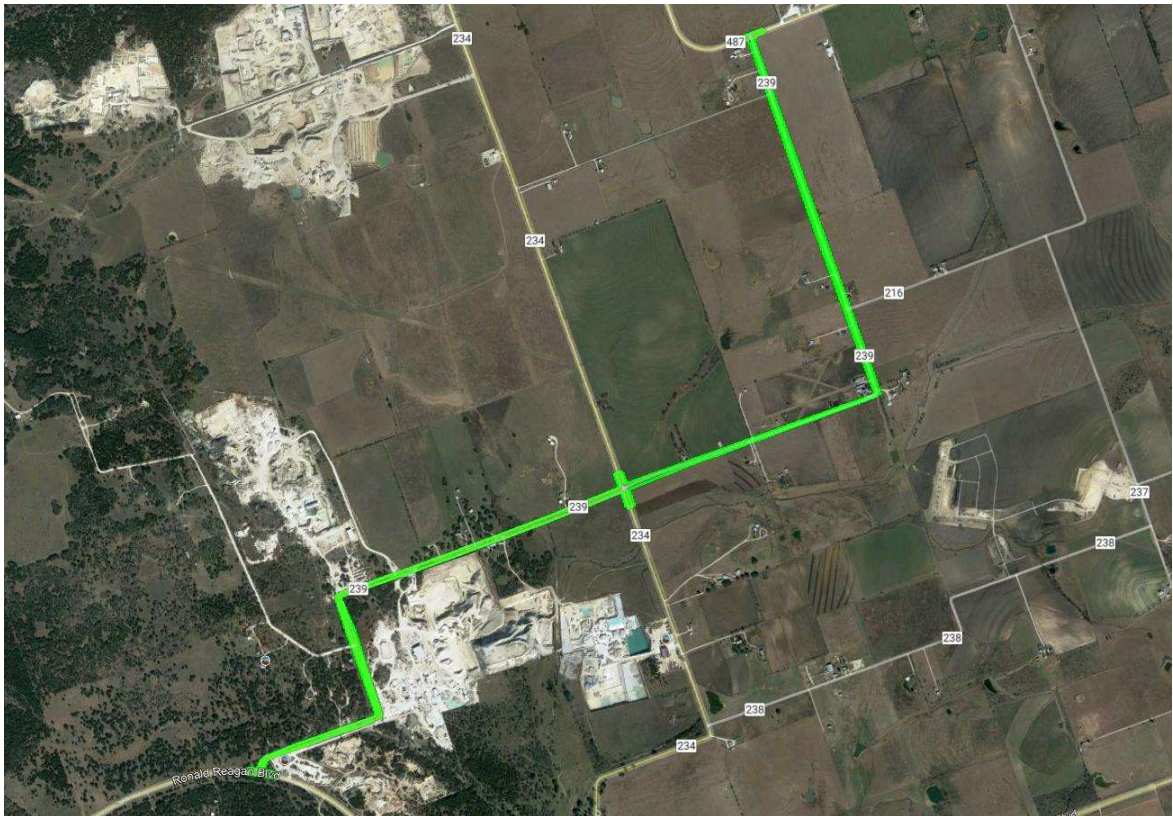
- A. Designate a project manager to serve as the County's point of contact with the Surveyor.
- B. Provide the specification requirements for all surveys.
- C. Provide timely reviews and decisions necessary to enable the Surveyor to maintain an agreed upon project schedule as developed in Attachment C.
- D. The horizontal datum for this project will be NAD83 (2011) Texas Coordinate System, Central zone, with a scale factor of 1.00012 or as provided by the county.
- E. Vertical values for this project will be based on NAVD88, GEOID 18.
- F. It is assumed that Williamson County will handle problems regarding any and all refusal to grant Right of Entry or communication with landowners who are hostile with respect to the completion of this Work Authorization.

## Attachment B - Services to be Provided by Surveyor (SAM)

### Project Limits –

Along CR 239 from Ronald Reagan Blvd. to FM 487 (Approximately 3.79 miles)

Exhibit "A"



## **Project Control**

The Surveyor shall establish horizontal & vertical control including a minimum of 4 points within the survey project limits along CR 239. The survey control points (5/8" iron rods with aluminum caps set in concrete) will be set in locations that will likely be undisturbed by construction or maintenance. The project control will be placed on horizontal & vertical datum's [NAD83/2011/NAVD88 values (Texas Coordinate System, Central Zone)] with a scale factor of 1.00012 or as provided by the county. Elevations will be derived from GPS observations using Geoid 2018 model. Secondary control points will be set throughout the project corridors as needed to complete the scope of work.

## **Right-of-Way Delineation Survey**

Upon notice to proceed, the Surveyor will conduct research at the Williamson County Appraisal District/County Clerk's Office in order to obtain the most recent plat & right-of-way information. The Surveyor will recover monuments/front property corners marking the existing ROW lines (if any). Utilizing the records research and data collected from the field survey, the Surveyor shall determine locations of the existing ROW lines.

## **Right-of-Way Mapping**

SAM shall attempt to obtain right-of-entry (ROE) for approximately 9 private properties for the purpose of collecting ROW survey data. SAM anticipates that Williamson County will handle problems regarding any and all refusal to grant ROE or communication with private property owners who are hostile with respect to the completion of this scope of services. SAM shall document any interactions with property owners while performing the work.

SAM will recover the corner or angle point monuments nearest to the proposed ROW on the side line of each of the subject properties and these corners will be tied to the project control after ROE has been granted.

Utilizing the deed study and the data from the field survey, SAM will analyze the results of the survey and perform computations related to the analysis. Location of the side property lines of each of the subject properties will be determined by SAM.

## ***Preparation of Documents***

Documents will be submitted in two rounds (preliminary and final). Preliminary ROW documents shall be submitted based upon found monumentation within the existing ROW. Final ROW documents shall be submitted at a later date once ROE has been granted and the property boundaries finalized.

- a) SAM will develop a base file showing ownership of the subject properties. Properties adjacent to the existing/proposed right of way within the project limits will be labeled with the owner's name and deed recordation information.

- b) Utilizing the boundary surveys performed by SAM and the proposed ROW line location provided by Williamson County, SAM will compute the boundaries of the ROW parcels for each of the subject properties.
- c) SAM will draft plats for the 9 parcels for ROW acquisition. The plats will be prepared on 8 1/2" x 11" pages at a scale dependent upon parcel size. A closure computation will be prepared for each of the plats.
- d) SAM will prepare a field note (metes and bounds) description for each of the 9 parcels. A closure computation will be prepared for each of the descriptions.
- e) To assure the accuracy of the documents, SAM will read the descriptions while all details are compared to ROW plans and parcel plats (bearings, distances, stations and offsets, deed references, etc.). Final mark-ups will be made and corrections completed.
- f) All of the above described survey documents (plans, property descriptions parcel plats and closure computations) will be submitted to the County for a one time review. Upon the completion of review of all ROW survey documents, SAM will make necessary corrections. The final ROW documents will then be delivered to the County.

### **Monumentation**

5/8-inch iron rod with "Williamson County" aluminum caps will be set at PCs, PTs, angle points and at no greater than 1,000 foot intervals along tangents on the proposed right-of-way line (up to 36 total).

### **Project Deliverables**

- 2D DGN of existing ROW delineation
- One preliminary legal description for each parcel (PDF)
- One final legal description for each parcel (signed and sealed) (PDF)
- One preliminary individual survey plat on 8 1/2"x11" for each parcel (PDF)
- One individual survey plats on 8 1/2"x11" for each parcel (signed and sealed)(PDF)
- One set of area computation sheets for legal descriptions and plats for all parcels
- Survey Control Sheets (PDF signed/sealed by an RPLS)
- PDF Field Book copies
- ASCII file of points

**ATTACHMENT C  
WORK SCHEDULE**

**Project:** WA # 11 - CR 239 Topo & ROW Delineation

**Proposal Number:** 1019052774M

<b>WORK SCHEDULE</b>	<b>WEEK 1</b> 9/11/2023	<b>WEEK 2</b> 9/18/2023	<b>WEEK 3</b> 9/25/2023	<b>WEEK 4</b> 10/2/2023	<b>WEEK 5</b> 10/9/2023	<b>WEEK 6</b> 10/16/2023	<b>WEEK 7</b> 10/23/2023	<b>WEEK 8</b> 10/30/2023	<b>WEEK 9</b> 11/6/2023	<b>WEEK 10</b> 11/13/2023
ESTABLISH PROJECT CONTROL										
FIELD SURVEYS										
PREPARE PRELIMINARY ROW DOCUMENTS										
QA/QC & PREPARE FINAL DELIVERABLES										
SET ROW MONUMENTATION										
WILLIAMSON COUNTY REVIEW										

\*DEPENDANT ON WEATHER



**Project:** WA # 11 - CR 239 Topo & ROW Delineation  
**Proposal Number:** 1019052774M

LABOR COSTS	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF SURVEYOR	SENIOR SURVEY TECHNICIAN	SURVEY TECHNICIAN	2-PERSON SURVEY CREW	FIELD COORDINATOR	ADMIN/ CLERICAL	TOTAL LABOR HRS. & COSTS
CONTROL SURVEY	2	2		8	16	28			\$7,468.00
RECORDS RESEARCH AND DEED STUDY	2	8		24	48				\$8,984.00
FIELD SURVEYS	2	6		12	24	80	5		\$17,917.00
BOUNDARY ANALYSIS	2	8		16	16				\$4,968.00
PREPARE PRELIMINARY ROW DOCUMENTS (UP TO 9 PARCELS)	2	10		40	80				\$14,200.00
RIGHT OF ENTRY COORDINATION		1			8				\$944.00
PREPARE FINAL ROW DOCUMENTS (UP TO 9 PARCELS)	1	4		6	18				\$3,244.00
ESTABLISH ROW MONUMENTATION (UP TO 36 IRON RODS)	1	1		4	4	40			\$7,372.00
TOTAL HOURS	12	40	0	110	214	148	5	0	\$29
CONTRACT RATE PER HOUR	\$180.00	\$160.00	\$135.00	\$110.00	\$98.00	\$155.00	\$105.00	\$75.00	
SUBTOTAL LABOR COSTS	\$2,160.00	\$6,400.00	\$0.00	\$12,100.00	\$20,972.00	\$22,940.00	\$525.00	\$0.00	\$65,097.00

OTHER DIRECT EXPENSES	# OF UNITS	COST/UNIT	TOTAL COST
MILEAGE (NUMBER x CURRENT STATE RATE)	1,500	\$0.655	\$982.50
PRIMARY CONTROL MONUMENT	4	\$90.00	\$360.00
GPS RECEIVER	140	\$25.00	\$3,500.00
SUBTOTAL DIRECT EXPENSES			\$4,842.50

SUMMARY	
	LABOR COSTS
	NON-SALARY (OTHER DIRECT EXPENSES)
	\$65,097.00
	\$4,842.50
	TOTAL SAM SURVEY
	\$69,939.50