



This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

**IN WITNESS WHEREOF**, the County and the Surveyor have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

EXECUTED this 8<sup>th</sup> day of September, 2016.

**SURVEYOR:**

**COUNTY:**

Surveying And Mapping, LLC

Williamson County, Texas

By:   
Signature

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

William R. Herring, RPLS  
Printed Name

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

Sr. Project Manager  
Title

\_\_\_\_\_  
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**

1. County will provide project management.
2. County will provide a single point of contact, to be identified upon Notice to Proceed.
3. County will provide aluminum caps for iron rods, if needed.

## **Attachment B - Services to be Provided by Surveyor**

The scope of services to be provided by the Surveyor is as defined in the enclosed November 19, 2015 letter from SAM to Dale Butler, Project Manager.

Additional Services will be addressed as requested by Williamson County on a time and materials basis based on the Hourly Rate Schedule in the February 2015 PSA. If requested, a scope of work and estimated fee will be provided in writing prior to SAM proceeding with any additional service.



Surveying And Mapping, LLC

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November 19, 2015

**Dale Butler Project Manager**

Williamson County Facilities

3101 SE Inner Loop

Georgetown, TX 78626

**Re: Williamson County Expo Center Survey Services Contract  
Proposed Oncor Easement  
SAM Proposal No.: P2015-0090 (Job No. 1015035533)**

Dear Mr. Butler:

As requested we prepared the attached proposal for surveying services to prepare and deliver a Legal Description & Exhibit of the proposed location of a 20' Wide P.U.E. to the Williamson County Expo Center, per the directions of Oncor & information you provided to us Thursday, October 22, 2015, (attached).

After you have reviewed the proposal, please give me a call if you have any questions. We can begin the survey immediately upon your written authorization to proceed.

Sincerely yours,

SURVEYING AND MAPPING, LLC (SAM)

A handwritten signature in black ink that reads 'Joe D. Webber, Jr.' in a cursive script.

Joe D. Webber, Jr.,  
RPLS Senior Staff /  
Project Manager



**Survey Scope of Services  
Williamson County Expo Center  
Williamson County, Texas**

**Exhibit B – Services to be provided**

**Survey and Mapping, LLC (SAM) – Surveying Tasks will include:**

- I. **PROJECT CONTROL** – SAM will utilize existing project control established during the previous work authorization. The project control horizontal datums NAD83/93 (Texas State Plane, Central Zone)].
- II. **RIGHT OF ENTRY (ROE)** – Williamson County will provide SAM with ROE within the project limits.
- III. **EASEMENT DELINEATION** – SAM shall utilize the basemap developed during for WA #1 in combination with the following to construct the location of the Proposed 20' Wide P.U.E., which will be centered on the existing Power Poles running north to the Expo Center Driveway (being designed by Halff & Associates). From this point the easement will proceed easterly, parallel to and XX' southerly of said Proposed Driveway to a point at the southeast corner of the intersection of said Proposed Driveway and then northerly along the north/south driveway to a point the will be perpendicular to the Utility Company Transformer (as shown on the attachment). From this point the P.U.E. will proceed easterly to the area of the Proposed Transformer for the Point Of Termination.
- IV. **FIELD SURVEYS** - SAM will locate the existing facilities (structures) within the current P.U.E. and these structures will be tied to the project control.
- V. **EASEMENT CONSTRUCTION** - Utilizing the data obtained from SAM's previous field survey, and information provided by Halff & Associates for their proposed improvements, we will determine location of the existing P.U.E. as shown on the attached map along with the electronic drawings provided to us defining the position of the Proposed P.U.E. by Williamson County.
- VI. **FIELD STAKING** – SAM will stake the corners of the Proposed P.U.E. upon acceptance of the final location per Williamson County.
- VII. **DELIVERABLES** –
  - A. Legal Description (Metes & Bounds)
  - B. Exhibit for the Proposed P.U.E.

The Fee for these services will not exceed **\$5,055.50** based on the attached Rate Schedule accepted by Williamson County for this Contract.



ADDITIONAL SERVICES - In addition to the services described in the foregoing Scope of Services, SAM can provide additional services if requested by Williamson County, on a time and materials basis, after submittal of an estimated budget and receipt of written authorization. These additional services could include, but are not limited to, the following:

- ROW surveying and mapping services beyond that scoped herein
- Obtaining Right-of-Entry from the adjoining landowners to survey on private property
- SUE services (QL A, B, or D) for the project
- Design Survey Services
- Title abstracting
- Records Research
- Establishing Horizontal/Vertical Survey Control beyond that scoped herein
- Revisions due to change in the alignment
- Contacting One-Call to facilitate the markings of underground utilities

### **Attachment C - Work Schedule**

All work shall be completed as soon as practical but no later than 30 days after the notice to proceed date.

## Attachment D - Fee Schedule



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### STANDARD AUSTIN RATE SCHEDULE

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Effective October 16, 2014

(Rates subject to Re-negotiation/CPI adjustment at the beginning of each calendar year)

#### SURVEY FIELD CREW SERVICES:

Two (2) Person Survey Field Crew	\$130.00 per hour
Three (3) Person Survey Field Crew	\$160.00 per hour
Additional Rodperson, Chainperson or Flagperson	\$32.00 per hour
1 Person Crew with Receiver or Robotic Total Station	\$105.00 per hour
GPS Receiver	\$25.00 per hour
Field Coordinator	\$85.00 per hour
ATV or Utility Vehicle	\$75.00 per day

Field crews are equipped with a four-wheel drive vehicle. There is mileage charge for survey crew vehicles computed at the current I.R.S. mileage allowance.

#### SURVEY OFFICE PERSONNEL SERVICES:

Principal	\$170.00 per hour
Associate/Senior Project Manager	\$145.00 per hour
Project Manager	\$125.00 per hour
Staff Surveyor	\$110.00 per hour
GPS/HDS Coordinator	\$105.00 per hour
Surveyor-In-Training (SIT)	\$90.00 per hour
Senior Survey Technician	\$90.00 per hour
Survey Technician	\$80.00 per hour
Administration / Clerical Support	\$60.00 per hour

All surveying services are regulated under the Texas Board of Professional Land Surveying. The Board can be contacted at 12100 Park 35 Circle, Bldg A, Suite 156 Austin, Texas 78753.

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#### GEOSPATIAL SERVICES:

Principal	\$170.00 per hour
Senior Project Manager	\$155.00 per hour
Project Manager	\$140.00 per hour

Acquisition Manager	\$125.00 per hour
Pilot	\$125.00 per hour
Photogrammetrist / Project Lead	\$105.00 per hour
Acquisition / Calibration / Aerial Triangulation Technician	\$95.00 per hour
LiDAR / Photogrammetry Technician	\$92.50 per hour
HDS Laser Scanning Technician	\$95.00 per hour

EQUIPMENT:

Aerial LiDAR System (Equipment Only)	\$6,500.00 per day
Mobile Mapping System (Equipment Only)	\$6,000.00 per day
Mobile Mapping Equipment Stand-by Fee (Equipment Only)	\$3,000.00 per day
HDS Laser Scanner	\$850.00 per day
High Rail Equipped Vehicle	\$100.00 per day
Weather Station	\$100.00 per day
Oblique Camera System	\$250.00 per day
Video Camera System	\$50.00 per day
Helicopter (Turbine Engine Powered)	\$1,450.00 per hour
Helicopter (Reciprocal Engine Powered)	\$850.00 per hour
GPS Receiver (Unmanned)	\$25.00 per hour
Geospatial Work Station	\$15.00 per hour
Aerial Film Scanning	\$10.00 per frame