

WORK AUTHORIZATION

WORK AUTHORIZATION NO. 7

PROJECT: Williamson County Road & Bridge – On-Call Professional Survey Services

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Surveying Services, being dated February 9, 2015 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Surveying and Mapping (SAM) 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 \$25,000.00.

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 September 30, 2019. 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.

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 the specifications requirements for all surveys.
2. County will provide timely reviews and decisions necessary to enable the Surveyor to maintain an agreed upon project schedule as developed in attached Attachment C.
3. County will provide aluminum caps for iron rods, if applicable.
4. County will provide brass caps for flush mount ROW markers, if applicable.
5. County will provide a single point of contact, to be identified upon Notice to Proceed.
6. County will provide project management.

Attachment B - Services to be Provided by Surveyor

Surveyor will perform field and office work to provide Professional Survey Services on an on-call basis as needed for survey tasks such as:

1. Perform record research to prepare efforts for field crew boundary search.
2. Perform field surveys to tie boundary monuments and evidence of right-of-way lines.
3. Prepare metes and bounds description with sketches for surveyed tracts of land.
4. Perform design surveys to locate, but are not limited to, existing utilities, topographical features, existing improvements and existing right-of-ways.
5. Prepare Microstation drawings showing results of survey.
6. Stake right-of-way lines for fence construction.
7. Perform construction surveys to
 - stake existing or proposed right-of-ways and centerline, proposed improvements.
 - recover and check existing control points
 - establish additional control points.
8. Perform quality assurance, quality control, and review of other surveyors' work.
9. Miscellaneous.

Attachment C - Work Schedule

Surveyor shall provide a work schedule for the assigned tasks. Work shall begin immediately upon receipt of agreement between County and Surveyor on the work schedule and authorization to proceed on assigned tasks.

Attachment D - Fee Schedule

Surveyor shall provide a fee schedule for the assigned tasks. Work shall begin immediately upon receipt of agreement between County and Surveyor on the fee schedule and authorization to proceed on assigned tasks.

Hourly Rate Schedule, per the 2015 Road & Bridge / SAM LLC PSA:

SAM, LLC STANDARD AUSTIN RATE SCHEDULE

Effective October 16, 2014

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.

Attachment D, Fee Schedule, continued

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