

**Work Authorization No. 9**

This Work Authorization is made pursuant to the terms and conditions of the Professional Services Agreement (the "Agreement") entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Diamond Surveying, Inc. (the "Surveyor").

**Part 1.** The Surveyor will provide the following engineering services (the "Services"): see Exhibit B.

**Part 2.** The maximum amount payable for the Services under this Work Authorization without modification is \$35,270.00.

**Part 3.** Payment to the Surveyor for the Services established under this Work Authorization shall be made in accordance with the payment terms and conditions of the Agreement and at the approved rates set forth in Exhibit II of the Agreement.

**Part 4.** This Work Authorization shall become effective on the date of final acceptance of the parties hereto and shall terminate on September 30, 2014 unless extended by a Supplemental Work Authorization.

**Part 5.** This Work Authorization does not waive the parties' responsibilities and obligations provided under the Agreement.

**Part 6.** This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this \_\_\_\_\_ day of MARCH, 2014.

SURVEYOR:  
Diamond Surveying, Inc.

By: Shane Shafer  
Signature

Shane Shafer  
Printed Name

President  
Title

COUNTY:  
Williamson County, Texas

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

Dan Gattis  
Printed Name

County Judge  
Title

Project Name: County Road 305 ROW

**List of Exhibits**

Exhibit A - Services to be Provided by County

Exhibit B - Services to be Provided by Surveyor

Exhibit C - Work Schedule

Exhibit D - Fee Schedule

EXHIBIT A

SERVICES TO BE PROVIDED BY COUNTY

The County shall:

- A. Provide the specification requirements for all surveys
- B. Provide timely reviews and decisions necessary to enable the Surveyor to maintain an agreed upon project schedule as developed in attached Exhibit C.
- C. Designate a project manager to serve as the County's point of contact with the Surveyor.
- D. Provide aluminum caps for iron rods, if applicable.
- E. Provide brass caps for flush mount ROW markers, if applicable.

EXHIBIT B

SERVICES TO BE PROVIDED BY THE SURVEYOR

SCOPE OF SERVICES:

Project is within the right-of-way of County Road 305, beginning at the westerly side of Interstate Highway 35 and proceeding west for approximately 3.2 miles to a low water crossing.

- 1) Perform office work to research plats/deeds and prepare a field sketch for field crew use to find boundary lines and ROW lines.  
Estimated fee for this Item = 36 hours of Survey Technician @ \$90.00 / hour = **\$3,240.00**
- 2) Request underground utilities to be located by One-Call 811 utility locating service.  
Estimated fee for this Item = 4 hours of Survey Technician @ \$90.00 / hour = **\$360.00**
- 3) Process right of entry requests for approximately 64 parcels along the north and south ROW of CR 305.  
Estimated fee for this Item = 64 hours of Secretary @ \$55.00 / hour = **\$3,520.00**
- 4) Set project control points and benchmarks. All horizontal coordinates shall be based on the Texas State Plane System, all distances will be surface values, and a combined scale factor for converting to grid values shall be provided.  
Estimated fee for this Item = 16 hours of 2-Man Field Party @ \$135.00 / hour = **\$2,160.00.**
- 5) Perform closed level loop surveys to all control points. Vertical datum shall be NAVD 88.  
Estimated fee for this Item = 12 hours of 2-Man Field Party @ \$135.00 / hour = **\$1,620.00**
- 6) Find and tie ROW and boundary monuments.  
Estimated fee for this Item = 48 hours of 2-Man Field Party @ \$135.00 / hour = **\$6,480.00**
- 7) Perform tree survey tying all trees 4" or larger except hackberry or cedar trees.  
Estimated fee for this Item = 8 hours of 2-Man Field Party @ \$135.00 / hour = **\$1,080.00**
- 8) Perform survey tying all visible utilities and all utility flags and paint marks set by utility locating service.  
Estimated fee for this Item = 12 hours of 2-Man Field Party @ \$135.00 / hour = **\$1,620.00**
- 9) Perform topographical survey to include edge of pavement, driveways, houses, fences, etc. Take sufficient shots to produce contours at 1-foot intervals. Take shots at least 5 feet outside of ROW lines.  
Estimated fee for this Item = 72 hours of 2-Man Field Party @ \$135.00 / hour = **\$9,720.00**

Exhibit B, continued

10) Perform office work to analyze results of field work. Prepare an ACAD electronic drawing file and ASCII point file of survey. Provide electronic files in XML format for surface and points.  
Estimated fee for this Item = 48 hours of Survey Technician @ \$90.00 / hour = **\$4,320.00**

11) Perform supervisory duties, client correspondence and quality control work for all phases of project.  
Estimated fee for this Item = 10 hours of Registered Professional Land Surveyor @ \$115.00 / hour = **\$1,150.00.**

EXHIBIT C  
WORK SCHEDULE

Work schedules will be developed prior to Notice-to-Proceed (NTP) and submitted to the County in the form of a Memorandum of Understanding. Should the schedule be acceptable, a written NTP will be delivered to Surveyor.

Anticipated NTP: To Be Determined (TBD)

Anticipated Field Start: TBD

Anticipated Delivery on or Before: TBD

Anticipated Delivery of Easements (if needed): TBD

**Deliverables**

See Item No. 10 in Exhibit B

EXHIBIT D

FEE SCHEDULE

Diamond Surveying, Inc.  
SHANE SHAFER, R.P.L.S., PRESIDENT  
116 SKYLINE ROAD, GEORGETOWN, TX 78628  
OFFICE: (512) 931-3100

OFFICE PERSONNEL SERVICES

Classification Rates

Registered Professional Land Surveyor .....	\$115.00 per hour
R.P.L.S. as expert witness.....	\$160.00 per hour
Project Surveyor .....	\$95.00 per hour
GPS Processor .....	\$95.00 per hour
Survey Technician.....	\$90.00 per hour
Secretary.....	\$55.00 per hour

FIELD PARTY SERVICES

Classification Rates

I-Man Field Party.....	\$105.00 per hour
2-Man Field Party.....	\$135.00 per hour
3-Man Field Party.....	\$155.00 per hour
4-Man Field Party.....	\$175.00 per hour
Charges for special equipment:	
GPS Field Base Unit for Static Session .....	\$65.00 per hour