

## **WORK AUTHORIZATION**

### **WORK AUTHORIZATION NO. 2 PROJECT: CR 278 EAST OF CR 279**

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 Diamond Surveying (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 \$19,150.00.

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 May 31, 2022. 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.

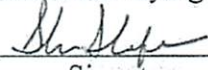
Part 6. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Surveyor understands and agrees that County's payment of amounts under this Work Authorization is contingent on the County receiving appropriations or other 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 18<sup>th</sup> day of August, 2020.

SURVEYOR:

Diamond Surveying

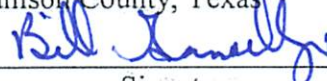
By:   
Signature

SHANE SHAFER  
Printed Name

PRES.  
Title

COUNTY:

Williamson County, Texas

By:   
Signature

Bill Gravell Jr.  
Printed Name

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 - Rate Schedule

Attachment A

Services to be Provided by County

- A. Provide the specifications 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. Provide timely reviews and decisions necessary to enable the Surveyor to maintain an agreed upon project schedule as developed in attached Exhibit C.
- D. Provide aluminum caps for iron rods, if applicable.
- E. Provide brass caps for flush mount ROW markers, if applicable.



## Attachment B

### Services to be Provided by Surveyor:

The following scope of services is for one (1) right-of-way acquisition Parcels and for a topographic survey. Limits from the intersection of CR 279 and CR 278 to the east along CR 278 for approximately 2,400 feet and being arm length outside existing and proposed right-of-way lines both sides CR 278.

1. Perform office and field work necessary to establish State Plane Coordinates for the Project. Bearing Basis: NAD-83, Texas Central (4203), State Plane System. Coordinates for this Project will be Surface Coordinates based on the Combined Surface Adjustment Factor for the Project (to be determined upon field work). Vertical Datum: NAVD-88 (Geoid 2012A). Field work necessary to set survey control points along route to include two (2) pairs of recoverable project monumentation at each end of the project. And office work to process and analyze the on-the ground traverse and conventional levels.
2. Identify existing right-of-way and side boundary lines: Perform office work necessary to research deed information of the tract of land to be acquired and adjoining tracts. Prepare field packets for use by survey field crew to recover boundary monumentation. Perform field work necessary to find and tie sufficient right-of-way and boundary monumentation along the route. Perform office work to analyze field work to finalize boundary lines.
3. Perform office and field work necessary for a topographic survey. Field work to locate visible above ground utilities to include contacting Utility One-Call (811 Digtess) to mark underground utilities – field locate pin flags/paint stripes as marked in the field by utility locate companies. Take sufficient ground shots to produce one (1) foot contours. Office work to analyze, process survey data.
4. Final Surveys: Perform office work to review Title Commitment (to be provided by Client) and address any easements or setbacks that may affect the subject tracts. Prepare a Land Title Survey with metes and bounds description with sketch for each tract. Provide County with original signed and sealed paper copies for the Land Title Survey. Perform field work to set appropriate monumentation for the right-of-way tract to be acquired.
5. Supervise and quality control all aspects of project. Check field and office work for accuracy and completeness. Sign and seal final documents. Maintain communication with Client, including Engineers, Landowners and Attorneys. Attend meetings if requested.

Deliverables: A 2D and 3D - Microstation (DGN) drawing in Surface Coordinates (with Combined Surface Adjustment Factor clearly stated). Microstation (DGN) drawing to include existing right-of-way lines both sides of CR 278 along the Project Route with bearing and distances labeling the existing right-of-way lines and monumentation found. Record deed plots for the Parcels (tracts of land) adjoining existing right-of-way lines. The topographic, tree and utility survey data points and linework and contours.

Attachment C  
Work Schedule

Work shall begin immediately upon receipt of executed agreement between County and Surveyor and Notice to Proceed from County.

Each survey will be delivered within 30 to 45 working days of Authorization to Proceed.

Schedule for setting of survey control monuments will be based on access to public right-of-way and Right-of-Entry letters.

Attachment D

Rate Schedule

◇ *Diamond Surveying, Inc.*  
**SHANE SHAFER, R.P.L.S., PRESIDENT**  
116 SKYLINE ROAD, GEORGETOWN, TX 78628  
OFFICE: (512) 931-3100  
T.B.P.L.S. Firm No. 10006900

**STANDARD RATE SCHEDULE**

Effective January 1, 2020, the following rates apply to work performed on a hourly-charge basis.

**DIRECT LABOR**

**OFFICE PERSONNEL SERVICES**

| <u>Classification</u>                      | <u>Rates</u>      |
|--------------------------------------------|-------------------|
| Registered Professional Land Surveyor..... | \$160.00 per hour |
| Project Manager.....                       | \$140.00 per hour |
| Project Surveyor.....                      | \$110.00 per hour |
| Senior CADD Technician.....                | \$125.00 per hour |

**FIELD PARTY SERVICES**

| <u>Classification</u>  | <u>Rates</u>      |
|------------------------|-------------------|
| 1-Man Field Party..... | \$120.00 per hour |
| 2-Man Field Party..... | \$160.00 per hour |
| 3-Man Field Party..... | \$190.00 per hour |

Notes:

Field Party rates include conventional equipment, supplies and survey vehicles. Excessive use of stakes, lathes, etc., will be charged at cost.

A minimum of two (2) hours field party time charge will be made for show-up time and return to office, resulting from inclement weather conditions, etc.

Field Party stand-by time will be charged at the above-shown appropriate rates.



**CPI Rate Adjustments:** Rates will remain firm for the initial first year of the Contract and such rates shall be deemed the "Initial Base Rates". Surveyor must request rate adjustments, in writing, at least thirty (30) days prior to each annual anniversary date of the Contract and any rate changes will take effect on the first day following the prior year. If Surveyor fails to request a CPI rate adjustment, as set forth herein, the adjustment will be effective thirty (30) days after the County receives Surveyor's written request. No retroactive rate adjustments will be allowed.

Price adjustments will be made in accordance with changes in the U.S. Department of Labor Consumer Price Index (CPI-U) for All Urban Consumers, All Items, South Region (Base 1982- 84 = 100).

The rate adjustment will be determined by multiplying the Initial Base Rates by a fraction, the numerator of which is the index number for most recently released index before each annual anniversary date of the Contract and the denominator of which is the index number for the first month of the Contract (the index number for the month in which the Contract was originally executed). If the products are greater than the Initial Base Rates, County will pay the greater amounts as the rates during the successive year until the next rate adjustment. Rates for each successive year will never be less than the Initial Base Rates.

## Basis of Estimate for Items listed in Attachment B

### Attachment D, Continued Basis of Estimate

Schedule B Item No. 1: Establish Survey Control.

| Item | Description                 | Classification    | Quantity | Units | Unit Rate | Subtotal   |                            |
|------|-----------------------------|-------------------|----------|-------|-----------|------------|----------------------------|
| 1    | Establish Control           | 3-Man Field Party | 12       | Hours | \$190.00  | \$2,280.00 |                            |
| 2    | Analyze, Process Field Work | Sr. CADD Tech     | 6        | Hours | \$125.00  | \$750.00   | <b>Subtotal \$3,030.00</b> |

Schedule B Item No. 2: Identify Right-of-Way and Boundary Lines

| Item | Description                                                                             | Classification    | Quantity | Units | Unit Rate | Subtotal |                            |
|------|-----------------------------------------------------------------------------------------|-------------------|----------|-------|-----------|----------|----------------------------|
| 1    | Perform Research, Deed Plots                                                            | Sr. CADD Tech     | 4        | Hours | \$125.00  | \$500.00 |                            |
| 2    | Prepare Field Packets                                                                   | Sr. CADD Tech     | 4        | Hours | \$125.00  | \$500.00 |                            |
| 3    | Perform Fieldwork to Find existing monumentation                                        | 3-Man Field Party | 4        | Hours | \$190.00  | \$760.00 |                            |
| 4    | Analyze Field Work Prepare Microstation Drawing Showing Right-Of-Way and Boundary Lines | Sr. CADD Tech     | 4        | Hours | \$125.00  | \$500.00 | <b>Subtotal \$2,260.00</b> |

Schedule B Item No. 3: Perform Topographic Survey and Utility One-Call

| Item | Description                                                                                                        | Classification    | Quantity | Units | Unit Rate | Subtotal   |                             |
|------|--------------------------------------------------------------------------------------------------------------------|-------------------|----------|-------|-----------|------------|-----------------------------|
| 1    | Perform Topographic Survey                                                                                         | 3-Man Field Party | 40       | Hours | \$190.00  | \$7,600.00 |                             |
| 2    | Analyze Field Work and Prepare Topographic Survey. Prepare Microstation Drawing combined with Right-of-Way Drawing | Sr. CADD Tech     | 24       | Hours | \$125.00  | \$3,000.00 | <b>Subtotal \$10,600.00</b> |

Schedule B Item No.4: Final Land Title Surveys – 1 Parcel.

| Item | Description                                                  | Classification | Quantity | Units | Unit Rate | Subtotal   |                            |
|------|--------------------------------------------------------------|----------------|----------|-------|-----------|------------|----------------------------|
| 1    | Address Title Commitment and prepare Final Land Title Survey | Sr. CADD Tech  | 12       | Hours | \$125.00  | \$1,500.00 | <b>Subtotal \$1,500.00</b> |

Schedule B Item No. 5: Supervise And Quality Control All Aspects Of Project

Maintain Communication With Client Including Engineer(s), Land Owner(s), And Attorney(s) Attend Meetings As Requested

| Item | Description                                                     | Classification  | Quantity | Units | Unit Rate | Subtotal   |                            |
|------|-----------------------------------------------------------------|-----------------|----------|-------|-----------|------------|----------------------------|
| 1    | Analyze Right-of-Way, Boundary Lines Sign and Seal Final Survey | R.P.L.S.        | 4        | Hours | \$160.00  | \$640.00   |                            |
| 2    | Supervise and Quality Control All Aspects of Project            | Project Manager | 8        | Hours | \$140.00  | \$1,120.00 | <b>Subtotal \$1,760.00</b> |

**Total Amount: \$19,150.00**