

WORK AUTHORIZATION NO. 2
PROJECT: Survey service for CR 225

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Surveying Services, being dated **February 18, 2015** and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **Walker Texas Surveyors, Inc.** (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 **\$18,110.00**.

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, 2016**. 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 27 day of March, 2016.

SURVEYOR:

COUNTY:

Walker Texas Surveyors, Inc.

Williamson County, Texas

By: Karen Walker
Signature

By: [Signature]
Signature

Karen Walker
Printed Name

DAN A GATTI
Printed Name

President
Title

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

1. Provide the specification requirements for all surveys.
2. Provide timely reviews and decisions necessary to enable the Surveyor to maintain an agreed upon project schedule as developed in Attachment C Work Schedule.
3. Designate a project manager to serve as the County's point of contact with the Surveyor.
4. Provide aluminum caps for iron rods, if applicable.
5. Provide brass discs for flush mount ROW markers, if applicable.

Attachment B
Services to be Provided by Surveyor

DETAILED LIMITS OF PROJECT: Realignment of CR 225, Florence, Texas.

The Surveyor proposes to provide all of the following surveying services:

- Create one (1) 32' width - Right-of-Way (ROW) Parcel Exhibit over and across a portion of the Cecil D. Reed property per agreed alignment shown on attached map.
- Create one (1) 15' width - Drainage Easement Exhibit that adjoins above ROW along the East side.
- Create one (1) 15' width - Access Easement Exhibit that adjoins above Drainage Easement along the East side.
- ROW and Easements being established as directed by Project Engineers of the County. (3) Three Exhibits total is expected with each including Sketch and Perimeter descriptions styled for Exhibit Recordation in Williamson County, Texas.

RIGHT-OF-ENTRY (ROE)

- The Surveyor will contact private land owners via letter, on site personal contact and/or by phone using the Williamson County Tax Appraisal District information to acquire permission to gain access to perform the associated field work for this project. Any communication or correspondence denying access will be forwarded to the County for optional efforts or resolution.
- The Surveyor will attempt to expedite the ROE process by personally contacting the individuals who are physically occupying the affected properties.
- A copy of all correspondence sent and received from affected landowners will be made available to the County.
- Any communication and/or correspondence with adjoining land owners will be filed and forwarded to the County if requested.

HORIZONTAL and VERTICAL CONTROL

- The Surveyor will establish up to 2 pairs of Control Monuments to be used and published as Primary Horizontal and Vertical Project Control. These points will be rectified to Texas State Plane, Central Zone Coordinate System (NAD 83) for Horizontal and Vertical will be rectified to NAVD 88 adjustment for this project unless otherwise requested.
- Four (4) Primary Control Concrete Monuments will be established.

DEED PLOT / WORKING SKETCH

- The Surveyor will research the County Deed records to create a working sketch and deed plot of subject tract and direct adjoiners.

PRELIMINARY ROW STAKE

- The Surveyor will assemble and use the provided information (right-of-way maps) provided to us by the County as well as various sources in conjunction with collected monumentation to establish the proposed alignment. Any problems encountered in establishing these alignments will be immediately brought to the attention of the County.
- All property corners needed to accurately establish the proposed ROW Parcel Acquisition will be located.
- The Surveyor will use above to calculate and stake 1 time both sides of the proposed ROW inter-visible intervals with wooden lath (frequency to be determined in the field to allow adequate property owner review) at not less than 50 foot interval for the property owners review and approval.

TOPOGRAPHIC FIELD SURVEY

- The Surveyor will densify the previously established Primary Control, as needed to complete this scope of services, by utilizing Network GPS, Robotic and /or Conventional traversing methods.
- Design Topographic Survey will be 100 foot wide maximum and include spot elevations and break lines sufficient to generate 1' contour intervals within the project. The point cloud will extend outside the surveyed area in order to insure accuracy of the contours.
- Bridges will be detailed along with any concrete structures associated with the drainage structure itself. Digital photos will be taken of each end of the culvert and will be provided as part of the deliverables.
- All visible and observable utilities will be located within the 100 foot wide Design Topographic corridor. Other than stated above, no utility records research by the Surveyor is being included in this proposal.
- Locate any driveways and/or streets within the project area.
- New ROW Monuments will be set per above, anticipated to be Sixteen (16).
- New Drainage and Access Easements Pins will be set per above. Eight (8) each are estimated.
- Stake out of approved New ROW at angle points for fence construction at approximate 100 foot intervals along both sides of 2500 LF(1 time) using 60d Nails and marked by wooden lath.

- The Surveyor will quality check the project using the final 2D and 3D maps to insure accuracy and completeness.

PRODUCTION OF SURVEY DELIVERABLES

- Parcels, Drainage and Access Easement Exhibits (Sketch and Legal Descriptions) will be prepared per the County direction. Three (3) total are anticipated.
- The Surveyor will prepare all digital deliverables in Microstation and Geopak for the TIN (surface) Survey field notes and supporting electronic data will be made available upon request or as stated above.
- The Surveyor will deliver the specified files stated above after the completion of this project.
- The Surveyor will deliver 2 copies of signed and sealed Legal descriptions and sketch exhibits of ROW parcel, Drainage and Access Easements to the County and their agents upon completion.

COMPENSATION

The above scope of services will be performed on a time and materials according to the contract rates and is estimated for a budget of **\$ 18,110.00** (detailed on the attached Fee Spreadsheet). The stated budget will not to be exceeded without prior written authorization.

ASSUMPTIONS

This above scope of services is estimated to require approximately a month from Notice to Proceed (NTP) not including any unforeseen delays and adverse weather conditions.

Attachment 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 the Surveyor.

Anticipated NTP: Upon receipt of executed agreement between the County and Surveyor

Anticipated Field Start: Immediately upon NTP and ROE approval

Anticipated Delivery on or before: 2 to 3 weeks after NTP or per needs of project as coordinated by the Surveyor

Anticipated Delivery of Parcel Exhibits: 2 Weeks after final approval of Alignment from the County NTP

Attachment D

Fee Schedule

March 3 2016

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