

**Work Authorization No. 2**

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 Walker Texas Surveyors, Inc., (the "Surveyor").

**Part 1.** The **County** will provide the services described in the attached Exhibit A - Services to be Provided by County. The **Surveyor** will provide the professional services described in the attached Exhibit B - Services to be Provided by Surveyor (the "Services").

**Part 2.** The maximum amount payable for the **Services** under this Work Authorization without modification is \$28,190.00.

**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 December 31, 2020, unless extended by a Supplemental Work Authorization. The Services shall be performed and completed in accordance with the attached exhibit C - Work Schedule.

**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 2nd day of June, 2020.

SURVEYOR:  
Walker Texas Surveyors, Inc.

By: [Signature]  
Signature

Charles G. Walker  
Printed Name

V.P. Walker Texas Surveyors, Inc.  
Title

COUNTY:  
Williamson County, Texas

By: [Signature]  
Signature

Bill Gravell, Jr.,  
Printed Name

County Judge  
Title

October 20

PSA: Surveying Services for Road and Bridge Division  
Project Name: CR 375 ROW Topographic Survey

## LIST OF EXHIBITS

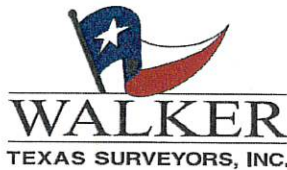
Exhibit A - Services to be Provided by County  
Exhibit B - Services to be Provided by Surveyor  
Exhibit C - Work Schedule  
Exhibit D - Fee Schedule

**EXHIBIT A**

**SERVICES PROVIDED BY THE 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 attached Exhibit C.
3. Designate a project manager to serve as the Counties point of contact with the Surveyor.
4. Provide Aluminum caps for Iron Rods, if applicable.
5. Provide Brass Disc's for flush mount ROW markers, if applicable.

PSA: Surveying Services for Road and Bridge Division  
Project Name: CR 375 ROW Topographic Survey



P. O. Box 324  
Cedar Park, Texas 78630-0324  
(512) 259-3361

May 26, 2020

Williamson County, Road and Bridge Division  
Attn: Director of Road & Bridge and Mr. Kon Kwan, P.E.  
3151 S.E. Inner Loop, Suite B  
Georgetown, Texas 78626

**Work Authorization # 2**

**PROJECT:** Topo ROW CR 375

**LIMITS:** Performing Topographic Survey of CR 375 from CR 311 ending at CR 314, being approximately 5,266 centerline LF to arm's length outside of existing occupied ROW along both sides of the centerline.

Dear Mr. Kwan,

Walker Texas Surveyors, Inc. (WTS) is pleased to submit this proposal to your office for the surveying services that are necessary to complete the referenced project in Williamson County, Texas.

We propose to complete this project on a time and materials basis in accordance with our existing contract with Williamson County. We will begin work immediately upon notice to proceed from your office.

This proposal was developed using information (right-of-way maps, digital files, etc.) that we have on file, information that we received from various sources, and our visit to the project site.

WTS will deliver the digital files, survey data files and hard copies of the survey, as described in this proposal, within budgeted time frame agreed upon in attached Exhibit C.

Thank you for the opportunity to provide this proposal and fee estimate. Please contact me with any questions or comments you may have.

Sincerely,

A handwritten signature in red ink, appearing to read "C. G. Walker", is written over the word "Sincerely,".

Charles G. Walker  
Registered Professional Land Surveyor

## **EXHIBIT B**

### **SERVICES PROVIDED BY THE SURVEYOR**

#### **SCOPE OF SERVICES AND FEE ESTIMATE CR 375, JARRELL, TEXAS – TOPOGRAPHIC SURVEY Work Authorization # 2**

**DETAILED LIMITS OF PROJECT:** Walker Texas Surveyors, Inc. (WTS) proposes to provide the following surveying services to Williamson County, Texas

- Performing Design Topographic Survey of CR 375 from CR 311 ending at CR 314, being approximately 5,266 centerline LF extending arm's length outside of existing occupied ROW along both sides of the centerline.

#### **RIGHT-OF-ENTRY (ROE) -**

- No ROE tasks included in this Work Authorization.

#### **HORIZONTAL and VERTICAL CONTROL**

- Walker Texas Surveyors (WTS) will establish 6 to 8 Horizontal and Vertical Primary Project Control Points using static GPS methods processed through OPUS and reported in State Plane Coordinate System, Central Zone NAD 83 for Horizontal and NAVD 88 (Geoid 2018) for Vertical.
- One pair of Project Control Points will be set on each end of the project and placed in a position that will best insure long term survival. If ground conditions will not allow for standard utilized monumentation WTS will opt for another suitable monument that will be permanent in nature and acceptable to project manager. Additional points will be set along project corridor (3 expected).

#### **FIELD SURVEY**

- WTS will densify established Primary Control, as needed to complete this scope of services, by utilizing RTK GPS, Robotic and /or Conventional traversing methods.
- WTS will honor occupied (mostly fenced) ROW along the project roadway to relate all topographic data. Any problems encountered in establishing and/or associating this data will be immediately brought to the attention of Wilco project manager for other solutions.
- Topographic Survey will include spot elevations and break lines sufficient to generate 1' contour intervals within the project. The point cloud will extend outside the ROW to arm's length in order to insure accuracy of the contours.
- Locate any visible utilities within the site including inverts (flow lines) of accessible (unbolted) Storm Sewer, Wastewater manholes and all observed utility apparatus is located within the site. Digital photos

of any unique and/or non-typical apparatus will be provided as part of the deliverables. No utility research is included.

- Locate all driveways and/or streets within the limits of the project area.
- No trees are included in this task however, any notable trees observed will be brought to the attention of the project manager.
- WTS will quality check the project using field survey, published LiDAR as well as other reliable sources to insure accuracy and completeness.
- WTS will provide project manager with report every few days with project progress.

#### **PRODUCTION OF SURVEY DELIVERABLES**

- WTS will prepare a ROW map utilizing the data collected along the Project corridor in the Field Survey to produce a digital Civil 3D AutoCAD .dwg, or LandXML file(s) showing survey results including the established Primary Horizontal and Vertical Control points. Survey field book notes and supporting electronic data will be made available upon request.
- WTS will deliver the specified files stated above after the completion of this project.

#### **COMPENSATION**

The above scope of services will be performed on a time and materials according the contract rates and is estimated for a budget of **\$ 28,190.00** (detailed on Attachment D). The stated budget will not to be exceeded without prior written authorization.

PSA: Surveying Services for Road and Bridge Division  
Project Name: CR 375 ROW Topographic Survey  
**SERVICES PROVIDED BY THE SURVEYOR**

**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: Expected within 1 to 2 weeks of date herein

Anticipated Field Start: Immediately upon Notice to Proceed

Anticipated Delivery on or Before: Expected to require 6 to 7 weeks from Notice to Proceed not including any unforeseen delays and/or adverse weather conditions.

Walker Texas Surveyors, Inc.  
P. O. Box 324  
Cedar Park, TX 78630  
512/259-3361

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