

WORK AUTHORIZATION NO. 1

**WILLIAMSON COUNTY Road & Bridge PROJECT:
LIBERTY HILL BYPASS: WEST AND EAST SEGMENTS**

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Surveying Services, being dated March 19, 2024 and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Austin Survey Company, LLC dba Inland Geodetics (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 \$85,155.00.

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 **April 10, 2024** and shall terminate on **June 25, 2024**. 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.

Continued next page

EXECUTED this _____.

SURVEYOR:

Austin Survey Company LLC
dba Inland Geodetics

COUNTY:

Williamson County, Texas

By: Francisco Rivera
Signature

Francisco Rivera
Printed Name

President
Title

By: _____
Signature

Printed Name

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

APPROVED

By Christen Eschberger at 7:17 pm, Apr 17, 2024

ATTACHMENT A
SERVICES TO BE PROVIDED BY THE COUNTY FOR
LIBERTY HILL BYPASS: WEST AND EAST SEGMENTS

In general, Williamson County and its representatives to their best efforts will render services as follows:

1. Name, business address, and phone number of County's project manager.
2. Assistance to the Surveyor, as necessary, with obtaining data and information from other local, regional, State and Federal agencies required for this project.
3. Provide available criteria and full information as to the client's requirements for the project. Provide examples of acceptable format for the required deliverables.
4. Provide timely reviews and decisions necessary for the Surveyor to maintain the project work schedule. Review recommendations offered by the Surveyor, progress of work, and final acceptance of all documents.
5. Submittal of documentation and permits to regulatory agencies for review and comment, when specified.
6. Assist with coordination between the Surveyor and the County's other consultants.
7. Facilitate resolution of any refusals to grant ROE and/or communication with landowners, who are hostile with respect to completion of the WA.

ATTACHMENT B
SERVICES TO BE PROVIDED BY THE SURVEYOR
FOR LIBERTY HILL BYPASS: WEST AND EAST SEGMENTS

PROJECT DESCRIPTION

Project Limits

Liberty Hill Bypass West: The project limits are from SH 29 (west of Liberty Hill High School) to RM 1869, an approximate length of 2.5 miles.

Liberty Hill Bypass East: The project limits are from Bagdad Road (CR 279) to SH 29, an approximate length of 1.8 miles.

Existing Facility

Liberty Hill Bypass West: This new alignment road will tie into existing SH 29 on the west end and existing RM 1869.

Liberty Hill Bypass East: This new alignment road will tie into existing Liberty Hill Bypass / Bagdad Road intersection on the west end and existing SH 29 on the east end.

Proposed Facility

The proposed facility is a new 2-lane road with shoulders, turn lanes, and new intersections, that will serve as a future frontage road of the SH 29 / Liberty Hill Bypass. The Liberty Hill Bypass Central segment is currently under construction between FM 1869 and Bagdad Road. The proposed ROW is 300 feet.

1. PROJECT MANAGEMENT

a. COMMUNICATION:

- Designate one Registered Professional Land Surveyor (Texas) to be responsible for the project management, and all communications with the County and its representatives.

b. MONTHLY PROGRESS REPORTS, INVOICES, AND BILLINGS (2 month assumed):

- Submit monthly progress status reports to the GEC. Progress reports will include: deliverable table, tasks completed, tasks/objectives that are planned for the upcoming periods, lists or descriptions of items or decisions needed from the County and its representatives. Subconsultant progress will be

incorporated into the monthly progress report. A copy of the monthly progress report will be uploaded to ProjectWise.

- Prepare correspondence, invoices, and progress reports on a monthly basis in accordance with current County requirements.

c. QUALITY ASSURANCE AND QUALITY CONTROL (QA/QC) PLAN:

- Prepare a project specific QA/QC plan and submit to the County within ten (10) days of notice to proceed.
- For each deliverable submittal, provide evidence of their internal review and mark-up of that deliverable as preparation for submittal and in accordance with submitted project specific QA/QC plan.
- Provide continuous QA/QC throughout the duration of the scheduled services included herein to appraise both technical and business performance and provide direction for project activities.

d. PROJECT COORDINATION & ADMINISTRATION:

- Prepare and maintain routine project record keeping including records of meetings and minutes.
- Correspondence and coordination will be handled through & with the concurrence of the GEC.
- Manage Project activities (including documenting emails, phone and conference calls, maintain project files for the length of the project, meeting agendas, meeting minutes, and schedule meetings), direct Surveyor's team/staff, coordinate and review sub-consultant work, correspond with the County and its representatives, and assist the County and its representatives in preparing responses to Project-related inquiries.

e. PROGRESS/COORDINATION MEETINGS (2 external meetings assumed):

- Attend a kickoff meeting and coordination/progress meeting with the County and its representatives and stakeholders, as necessary to communicate development of the project and design issues.
- Prepare agenda and sign-in sheets for external coordination/progress meetings.

- Prepare meeting minutes for review via email within three (3) business days of the external coordination/progress meeting.
 - Conduct internal coordination meetings as required to advance the development of the project.
- f. PROJECT SCHEDULE:
- Maintain a project schedule indicating tasks, subtasks, critical dates, milestones, and deliverables. Submit to County as requested.
- g. PROJECT DOCUMENTS/FILES:
- All contract documents, including native files, shall be turned over to the County at each milestone and at the completion of the project or as requested. Documents shall be posted to the County's project management database.
- h. DELIVERABLES:
- Monthly Invoices and Progress Reports including Deliverable Table
 - Project Specific QA/QC Plan within 10 days of notice to proceed
 - Meeting Minutes, Sign-In Sheets, and Agendas
 - Project Schedule and Updates
 - Project Files
 - QA/QC Documentation with Deliverable

2. SURVEYING

- a. RIGHT OF ENTRY (ROE) (**up to 35** letters assumed):
- Surveyor shall attempt to obtain ROE for **up to 35** potentially impacted properties for the purpose of completing control points, upon approval from GEC. Prepare and mail the ROE letters per the County's standard. The Surveyor anticipates that Williamson County will facilitate the resolution of any refusals to grant ROE and/or communications with landowners who are hostile with respect to the completion of this scope of services. The Surveyor will document any interactions with landowners while performing the work.
- b. FIELD SURVEYING:

- Surveyor will locate existing control established for the Liberty Bypass Central project that is currently under construction and reconcile any discrepancies found.
- Establish horizontal and vertical control and set temporary benchmarks.
 1. Approximately 11 pairs of control monuments (or 22 individual monuments) will be established at 0.5-mile intervals throughout the project site.
 - a. The control monuments will consist of a 24-inch length by 5/8-inch diameter iron rod set with an aluminum control cap stamped WILLIAMSON COUNTY and the associated control number.
 2. Approximately 14 temporary benchmarks will be established at approximately 1000-foot intervals throughout the project site.
 - a. The temporary benchmarks will consist of 18-inch length by 1/2-inch diameter iron rods with yellow plastic control caps stamped “INLAND CONTROL”.
 3. Levels will be run between control monuments and temporary benchmarks.
- Surveyor will set control in publicly accessible rights-of-way where possible.
- Surveyor will prepare Survey Control Sheets
- c. DELIVERABLES:
 - ROE Letters, and Executed ROE Documents
 - Mapping in 2-D and 3-D MicroStation Files (Grid or Datum)
 - PDF of each Surveyor Project Notebook
 - Survey Control Sheets

ATTACHMENT C

SERVICES TO BE PROVIDED BY THE SURVEYOR

FOR LIBERTY HILL BYPASS: WEST AND EAST SEGMENTS

Work shall begin immediately upon receipt of written Notice-to-Proceed on assigned tasks. Inland estimates the project completion within eight (8) weeks from NTP.

EXHIBIT C - WORKSCHEDULE									
Inland Geodetics									
Start Date	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	
NOTE*	4/29/2024	5/6/2024	5/13/2024	5/20/2024	5/27/2024	6/3/2024	6/10/2024	6/17/2024	
1. Project Management									
a. Communication									
b. Monthly Progress Reports, Invoices Billings									
c. QAQC Plan (within 10 day of NTP)									
d. Project Coordination & Administration									
e. Progress/Coordination Meetings									
f. Project Schedule									
g. Project Documents/Files									
h. Deliverables									
2. SURVEYING									
a. ROE									
b. Field Surveying									
Locate Established Control/Reconcile discrepancies									
Establish H&V Control, Set Temp BVMs									
Data Processing									
Draft Control Sheets									
QAQC									
c. Deliverables									
ROE Letters, Executed ROE Docs									
Mapping CAD files (MicroStation)									
PDFs Surveyors Notebook									
Survey Control Sheet									
*Weather and right of entry dependent. Gaining ROE from all landowners in a timely manner will be critical in meeting deadlines for this project.									

SERVICE		1GPS	2 CREW	3 CREW	4 CREW	ADD CREW MEMBER	PM	RPLS	SEN TECH	TECH	LSLS	ADMIN	DIRECT	\$ REC. (\$per hour/Unit/H	EHICLES(\$per day/Unit/D	ATV's (\$per day/Unit/Day	INDIRECT	TOTAL			
RATE / HOUR		\$125	\$205	\$285	\$365	\$80	\$190	\$175	\$130	\$110	\$200	\$75		# of Units	# of Hours	# of Units	# of Days	# of Units	# of Days		
1. Project Management													\$ -						\$ -	\$ -	
a. Communication							2 HRS	1 HRS				1 HRS	\$ 630.00						\$ -	\$ 630.00	
b. Monthly Progress Reports, Invoices Billings	1 Month						6 HRS	3 HRS				3 HRS	\$ 1,890.00						\$ -	\$ 1,890.00	
c. QAQC Plan							2 HRS	1 HRS				1 HRS	\$ 630.00						\$ -	\$ 630.00	
d. Project Coordination & Administration							2 HRS	1 HRS					\$ 555.00						\$ -	\$ 555.00	
e. Progress/Coordination Meetings	2 Meetings						2 HRS	1 HRS					\$ 555.00						\$ -	\$ 555.00	
f. Project Schedule							2 HRS	1 HRS				1 HRS	\$ 630.00						\$ -	\$ 630.00	
g. Project Deouments/Files							2 HRS	1 HRS				1 HRS	\$ 630.00						\$ -	\$ 630.00	
h. Deliverables							2 HRS	1 HRS				1 HRS	\$ 630.00						\$ -	\$ 630.00	
													\$ -						\$ -	\$ -	
1. Project Management		0 HRS	0 HRS	0 HRS	0 HRS	0 HRS	20 HRS	10 HRS	0 HRS	0 HRS	0 HRS	8 HRS	\$ 6,150.00	0 HRS		0 DAYS	0 DAYS		\$ -	\$ 6,150.00	
2. SURVEYING													\$ -						\$ -	\$ -	
a. ROE	35 Land Owners						9 HRS					8 HRS	\$ 2,310.00						\$ -	\$ 2,310.00	
b. Field Surveying												2 HRS	\$ 150.00						\$ -	\$ 150.00	
Locate Established Control/Reconcile descrpancies		32 HRS	20 HRS	54 HRS				1 HRS					\$ 23,665.00						\$ -	\$ 23,665.00	
Establish H&V Control, Set Temp BMs	22 CPs, 14 TBMs	56 HRS	32 HRS	80 HRS				1 HRS					\$ 36,535.00						\$ -	\$ 36,535.00	
Data Processing							1 HRS		10 HRS				\$ 1,490.00						\$ -	\$ 1,490.00	
Draft Control Sheets							1 HRS	1 HRS	10 HRS				\$ 1,665.00						\$ -	\$ 1,665.00	
QAQC							1 HRS	2 HRS	12 HRS				\$ 2,100.00						\$ -	\$ 2,100.00	
c. Deliverables							2 HRS	6 HRS					\$ 1,430.00						\$ -	\$ 1,430.00	
ROE Letters, Executed ROE Docs									35 HRS			1 HRS	\$ 4,625.00						\$ -	\$ 4,625.00	
Mapping CAD files (Microstation									17 HRS			1 HRS	\$ 2,285.00						\$ -	\$ 2,285.00	
PDFs Surveyors Notebook									10 HRS			1 HRS	\$ 1,375.00						\$ -	\$ 1,375.00	
Survey Control Sheet									10 HRS			1 HRS	\$ 1,375.00						\$ -	\$ 1,375.00	
													\$ -						\$ -	\$ -	
2. SURVEYING		88 HRS	52 HRS	134 HRS	0 HRS	0 HRS	14 HRS	11 HRS	104 HRS	0 HRS	0 HRS	14 HRS	\$ 79,005.00		0 HRS		0 DAYS		\$ -	\$ 79,005.00	
SUB-TOTAL		88 HRS	52 HRS	134 HRS	0 HRS	0 HRS	34 HRS	21 HRS	104 HRS	0 HRS	0 HRS	22 HRS	\$ 85,155.00	TOTAL	0 HRS	TOTAL	0 DAYS	TOTAL	0 DAYS	\$ -	\$ 85,155.00
REIMBURSABLE ITEMS																				\$ -	
REIMBURSABLE SERVICES																				\$ -	
ESTIMATED FEE		\$11,000	\$10,660	\$38,190	\$0	\$0	\$6,460	\$3,675	\$13,520	\$0	\$0	\$1,650		\$0		\$0		\$0		\$ 85,155.00	