

## **WORK AUTHORIZATION NO.2**

**PROJECT: Engineering Services for Williamson County Long Range Transportation Plan**

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated **October 19, 2016** and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **Alliance Transportation Group** (the "Engineer").

Part 1. The Engineer will provide the following Engineering 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 **\$26,748.00.**

Part 3. Payment to the Engineer 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 **December 30, 2017**. The Engineering 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.

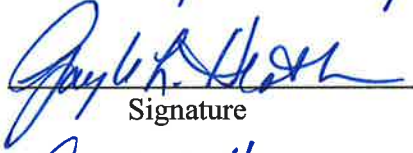
Part 6. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Engineer understands and agrees that County's payment of amounts under this Work Authorization is contingent on the County receiving appropriations or other 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 Engineer 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 Engineer.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this 10 day of OCTOBER, 2017.

ENGINEER:

Alliance Transportation Group, Inc.

By:   
Signature

Gayle L. HEATH  
Printed Name

CEO  
Title

COUNTY:

Williamson County, Texas

By:   
Signature

Valerie Covey  
Printed Name

County Commissioner, Precinct 3  
Title

## LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

**Attachment A - Services to be Provided by County**

Williamson County will provide a Project Manager and any requested data that is in the County's control.

## **Attachment B - Services to be Provided by Engineer**

### **Overview**

This work program builds upon the collaborative effort with the Alliance team serving as an extension of Williamson County staff to provide additional plan preparation and writing support. The following Scope of Work provides specific steps and major deliverables.

### **Scope of Work**

#### **Task 3 Travel Demand Modeling and Analysis**

The following tasks are designed to measure and analyze the future performance of the Williamson County transportation system under a set of transportation scenarios defined by the County using the CAMPO TDM.

#### **Task 3.2 Evaluation of Future Traffic Conditions**

The CONSULTANT shall apply the CAMPO travel demand model (TDM) to develop a traffic forecast for three (3) build-out scenarios. These three (3) TDM scenarios shall support the development of the Long Range Transportation Plan. The scenarios shall include existing transportation projects as of September 1, 2016, as well as committed projects as listed in the 2013 Williamson County Bond Program construction letting list as well as projects identified for construction in the adopted (as of September 1, 2016) CAMPO Transportation Improvement Program.

#### **Deliverables**

- CAMPO TDM traffic forecasts for each of three (3) scenarios defined by the County

### **Attachment C - Work Schedule**

The completed TDM scenarios are due by December 30, 2017.

Total Project Cost by Task and Firm					
Tasks	Alliance	CTR	CD&P	Manhan	Total by Task
<b>Task 1 Project Management and Communication</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 1.1 Project Management Plan	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 1.2 Kickoff Meeting	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 1.3 Ongoing Project Management and Administration	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Task 2 Demographics</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 2.1 Assemble Data	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 2.2 Socioeconomic Build Out Scenarios	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 2.3 Land Use Scenarios	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Task 3 Travel Demand Modeling and Analysis</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 3.1 Mobility Measures	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 3.2 Evaluation of Future Traffic Conditions	\$26,748.00	\$0.00	\$0.00	\$0.00	\$26,748.00
Task 3.3 Application of Dynamic Traffic Assignment	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Task 4 Economic Analysis</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 4.1 Evaluation of Property Values	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 4.2 Evaluation of Potential Tax Revenue	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 4.3 Overall Plan Evaluation	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Task 5 Graphic Support</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 5.1 Graphic Exhibits	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 5.2 Document Design and Layout	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Task 6 Peer Review and Editing</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 6.1 Technical Writing and Editing	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 6.2 Peer Review	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Task 7 Coordination with the County</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Task 7.1 Coordination with the County	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
					\$0.00
<b>Total Labor Cost (labor, overhead, fee)</b>	\$26,748.00	\$0.00	\$0.00	\$0.00	\$26,748.00
<b>DIRECT EXPENSES*</b>	<b>unit</b>	<b>quantity</b>	<b>cost/unit</b>	<b>cost</b>	
Mileage (state approved rate)	mile		\$ 0.540	\$ -	
Photocopies B/W (8 1/2" X 11")	each		\$ 0.10	\$ -	
Photocopies B/W (11" X 17")	each		\$ 0.20	\$ -	
Photocopies Color (8 1/2" X 11")	each		\$ 0.40	\$ -	
Photocopies Color (11" X 17")	each		\$ 0.80	\$ -	
Report (executive summary) Production	each		\$ 15.00	\$ -	
UBS stick with logo production	each		\$ 7.25	\$ -	
Remote hosting of demographic tools during project execution (not to exceed 12 months)	monthly		\$ 80.00	\$ -	
Report Production	each		\$ 30.00	\$ -	
<b>Total Direct Costs*</b>					\$0.00
<b>Total Project Cost</b>					\$26,748.00
*Covers both Prime and Subcontractor reimbursable expenses					

## Attachment D - Fee Schedule

### Alliance Transportation Group

Labor/Staff/Classification	Contract Rate
Project Principal	\$ 250.00
Senior Project Manager	\$ 244.00
Senior Engineer	\$ 193.00
Project Engineer	\$ 144.00
Engineer-in-Training (EIT)	\$ 101.00
Senior Engineering Technician	\$ 133.00
Engineering Technician	\$ 90.00
Planning Director	\$ 230.00
Sr Travel Demand Modeler	\$ 182.00
Travel Demand Modeler III	\$ 137.00
Travel Demand Modeler II	\$ 117.00
Senior Planner	\$ 162.00
Planner II	\$ 125.00
Planner I	\$ 85.00
Project Administrator	\$ 104.00
Clerical	\$ 65.00