

1999 Bryan Street, Suite 1200
Dallas, Texas 75201
United States
T +1.214.638.0145
F +1.214.638.0447
www.jacobs.com

Date August 11, 2017
Attention Clarence Daugherty
From Jeremy Wyndham
Subject **Collin County On-Call Transportation Consultation**
Copies to Tracy Homfeld, Adam Garms, Ed Pultorak

Below is the scope and fee for the requested updates to the Collin county Thoroughfare and Transit Plan and additional travel demand model runs. This task will be an on-call task to be completed under TASK 4 On-Call Transportation Consultation in the Scope of Services: Collin County Mobility Plan Additional Demographics and Travel Demand Modeling Services Agreement dated May 19, 2015 for an additional agreed upon fee.

TASK 4 ON-CALL TRANSPORTATION CONSULTATION

At the sole discretion of Collin County, the Engineer shall provide additional services, to include such services as on-call travel demand modeling, traffic analysis, transportation planning, alternatives analysis and conceptual design services. These services shall be documented via letter or e-mail correspondence, where the requested scope, fee and schedule, as negotiated by the County and the Engineer, are identified for each request. Payment terms for this work shall be in accordance with the overall contract payment terms.

4.5 US 380 and North South Corridor Additional Travel Demand Model Runs

TxDOT and NCTCOG, with Collin County, are currently studying alternatives for US 380 across Collin County and a new North South Corridor east of US 75 that are not currently in the Collin County Thoroughfare Plan. Collin County has requested additional build-out travel demand model runs with three (3) US 380 alternatives that also include the North South Corridor alternative. The Jacobs Team will modify the travel demand model network that was used for the Build-Out scenarios for the three (3) alternatives and run the travel demand model six (6) times (Three (3) 2.1M Build-Out Scenarios, and three (3) 3.4M Build-Out Scenarios) to produce forecasted traffic volumes and levels of service. No modification of the demographic scenarios is included in this task. This task includes a maximum of six (6) additional travel demand models runs.

Jacobs will also coordinate with NCTCOG to include an alternate SH 78 freeway. Jacobs will request the proposed alignment from NCTCOG and modify the proposed alignment if necessary to add it to the travel demand model network that will be used in this task. Jacobs will also coordinate with NCTCOG to included thoroughfare extensions in the Murphy area in the travel demand model network for this task.

4.5.1 Schedule

It is anticipated that each travel demand model run will be completed within two (2) weeks, with the maximum of six (6) travel demand model runs being completed within twelve (12) weeks from completion of Task 4.1 and notice to proceed on this task.

4.5.2 Deliverables

Traffic Volume maps, one showing main lanes and another showing service roads.

Level of Service (LOS) maps.

Traffic Volume tables for traffic volumes along the US 380 alternatives and the SH 78 alternative.

Travel Demand Model results described above shall be provided for the 2.1M and 3.4M Build-Out scenarios, in TransCAD and ESRI shapefile formats.

4.5.3 Meetings

This task includes the consultant team participation in conference call meetings as needed during the task schedule. Up to two (2) in-person meetings is anticipated and included, if needed.

Proposed Fee

The estimated budget for each task is listed below for a total not-to-exceed fee of \$70,070.00.

Task 4.5	\$ 70,070.00
----------	--------------