

April 22, 2014

Tracy Homfeld, P.E., Assistant Director of Engineering  
Collin County Engineering Department  
4690 Community Ave., Suite 200  
McKinney, Texas 75071

RE: Professional Services – Detail Traffic Projections, US 75/Outer Loop

Dear Ms. Homfeld:

Collin County has requested Jacobs provide a proposal to develop a detail daily traffic projection for the US 75 and the Collin County Outer Loop interchange. This traffic projection will support a conceptual interchange layout study being performed by HNTB. The traffic projection will include the main lanes of US 75 and the Outer Loop, along with the direct connectors and frontage volumes for the proposed design year 2035. The proposed services are described below.

1. Identify and evaluate the growth factor in the study area based on historic growth and NCTCOG travel demand models.
2. Collect the current or recent US 75 corridor volumes and interchange volumes which are similar to the study area.
3. Modify and evaluate the 2035 NCTCOG Travel Demand model at the study area including the direct connectors.
4. Apply the growth factor from item 1 to the US 75 corridor volumes received from item 2 and compare if the US 75 corridor volumes are in line with the NCTCOG travel demand model.
5. Extract the link volumes from the NCTCOG travel demand model.
6. Based on item 4 and item 5, start developing the link volumes which include the main lanes ramps, frontage road and direct connectors.
7. Based on item 6, perform traffic network balancing and detail daily traffic projection which include the turning movements at the interchange.
8. Finalize the detail traffic projections and create the CADD file for the daily detail traffic projection.

The information will be provided in the form of a map with the traffic volumes associated with the various legs of the interchange.

It is anticipated that we should be able to provide this information three weeks from the notice to proceed.

It is our understanding that this will be an hourly contract. The estimated hours and costs for performing these additional services are summarized in the following table:

Additional Services Tasks	Jacobs		Total Fee	
	Hours	Cost	Hours	Cost
Develop Daily Detail Traffic Projection at US 75 and Collin County Outer Loop interchange (ADT)	110	\$12,274	110	\$12,274
Reimbursable Expenses				\$ 448
<b>TOTAL</b>	<b>110</b>	<b>\$12,274</b>	<b>110</b>	<b>\$12,722</b>

Detailed listing of staff, hours and rates is attached. We are respectfully requesting a fee not-to-exceed \$12,772.

Please contact me if you need further information related to our request.

Respectfully submitted,

Jacobs Engineering Group, Inc.



Clarence T. Daugherty, P.E.  
Project Director