



TEDSI
TBPE F-1640

TEDSI INFRASTRUCTURE GROUP

Consulting Engineers

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October 17, 2017

Mr. Marc Grant
Road and Bridge Commissioner
Fort Bend County Road and Bridge
P.O. Box 148
Richmond, TX 77406-0148

Re: *Proposal for Traffic Signal Timing Services*
Fort Bend County – All Precincts

Dear Mr. Grant:

TEDSI Infrastructure Group (TEDSI) appreciates the opportunity to submit this proposal to perform traffic signal timing services at various locations within the County. This work will be administered in a Work Authorization (WA) format, at locations to be specified by the County. The scope of work is enumerated below, and is in accordance with prior work our firm has done for your office.

SIGNAL TIMING SCOPE OF WORK

TEDSI shall perform services as locations specified by Fort Bend County to conduct complete weekday and (if appropriate) weekend traffic signal timing services. The express intent of this effort is to reduce congestion and/or improve traffic safety.

1 Project Coordination

TEDSI shall coordinate with Fort Bend County and other appropriate agencies (i.e., TxDOT) for signal timing services as required by the specified location.

2 Timing Plan Generation

If required, TEDSI will perform Synchro optimization analysis at the location(s) specified in the WA using current traffic volumes as measured by either Fort Bend County or TEDSI to determine the best cycle length for the weekday regular AM, noon, PM periods. In the event of 2 or more intersections along a particular roadway corridor, the Engineer will generate the time-space diagrams for the regular weekday AM, Noon, and PM periods.

3 Preliminary Report

If required, TEDSI shall summarize the data collection and timing plan generation results in a Preliminary Report and submit this report to Fort Bend County for review. The Engineer will submit one (1) copy of the signal timing plans - splits and offsets - in a tabular form and also one (1) set of time-space diagrams (if applicable) for each peak period to the County. The Preliminary Report will be submitted by e-mail in PDF format.

4 Troubleshooting

For some situations, field adjustments and troubleshooting may occur without Tasks 2 & 3 (listed above).

5 Implementation

Once the optimized signal timing plans have been reviewed and approved by Fort Bend County, TEDSI will implement new timings in the field for locations within the WA, make any appropriate recommendations, and respond to questions. When the new timing plans are operational, TEDSI will provide qualified engineers for minor on-site fine-tuning assistance, up to 2 separate site visits. During the course of this assistance, the engineers will observe the actual operation of the new timing plans and recommend minor field adjustments to improve traffic operations. If appropriate to the County, we also would be pleased to coordinate with County field operations personnel so that they are fully apprised of our work while at the site.

After field implementation of the timing, along with possible fine tuning, TEDSI shall submit:

- I. One CD-ROM or e-mail containing the final report, all technical data, including Synchro runs.

The report may also contain any recommended further measures to reduce congestion, such as installing or lengthening turn bays, median opening modifications, etc).

COMPENSATION

We understand that this Work Authorization contract has been assigned a total \$20,000.00 budget. If requested by the County, TEDSI will prepare a brief cost estimate for each separate WA, the sum of all being contained within this overall \$20,000.00 fee. TEDSI will perform and bill the services on a hourly basis, rates for which are attached herein.

Marc, we are very grateful for the opportunity to serve the traffic engineering needs of Fort Bend County, and commit to you the highest quality and service to your office. In the event of any questions, please advise.

Sincerely,

TEDSI INFRASTRUCTURE GROUP



Jules M. (Jay) Morris, Jr., P.E.
Vice President

**Fort Bend County
Traffic Engineering Services
FY 2018 Billing Rates**

10/11/17

CLASSIFICATION	EMPLOYEE NAME	Billing Rate
Principal Project Manager	Jules M. Morris, Jr., P.E.	\$ 242.14
Project Manager	Jose Sanchez, P.E.	\$ 179.55
Traffic Engineer	Linhua Li, P.E., PTOE	\$ 170.04
Traffic Engineer	Yohannes Tadesse, P.E.	\$ 160.28
Traffic Engineer	Mallikarhuna Neelapu, P.E.	\$ 152.44
Traffic Engineer	Eric Dietrich, P.E., PTOE	\$ 144.98
Engineering Designer	Vera Samodumova	\$ 102.64
Engineer-in-Training	Michelle Hoang, E.I.T.	\$ 97.58
Engineer-in-Training	Luan Duc Tran, E.I.T.	\$ 83.48
Project Administrator	Diane Castillo	\$ 96.20
Administrative Assistant	Joyce Baader	\$ 85.61