



**TEDSI INFRASTRUCTURE GROUP**

**TEDSI**  
TBPE F-1640

**Consulting Engineers**  
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PO 127019  
Rec 326748  
8/31/15

Y/P

August 20, 2015  
Project No: 2015-1174-01  
Invoice No: 20152455

Rick J. Staigle, P.E., PTOE  
Fort Bend County Engineering Department  
301 Jackson Street  
Richmond, TX 77469

Project 2015-1174-01 Grand Parkway/SH 99 Traffic Study

**Professional Engineering Services for Traffic Analysis**  
2013 Mobility Bond Project No. 18319  
REQ 116068; P.O. No. 127019

Professional Services from July 01, 2015 to July 31, 2015

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Traffic Study	87,060.00 ✓	80.00 ✓	69,648.00	34,824.00	34,824.00
Total Fee	87,060.00		69,648.00	34,824.00	34,824.00
<b>Total Fee</b>					<b>34,824.00</b>
<b>Billing Summary</b>		<b>Current</b>	<b>Prior</b>	<b>To-Date</b>	
Fees		34,824.00 ✓	34,824.00	69,648.00	
Total Fee				87,060.00	
Remaining Fee				17,412.00	
<b>Total this Phase</b>					<b>\$34,824.00</b>

Billing Phase	Fee	Percent Complete	Earned	Previous Fee Billing	Current Fee Billing
Additional Services	42,381.00 ✓	0.00 ✓	0.00	0.00	0.00
Total Fee	42,381.00		0.00	0.00	0.00
<b>Total Fee</b>					<b>0.00</b>
<b>Billing Summary</b>		<b>Current</b>	<b>Prior</b>	<b>To-Date</b>	
Fees		0.00	0.00	0.00	
Total Fee				42,381.00	
Remaining Fee				42,381.00	
<b>Total this Phase</b>					<b>0.00</b>
<b>Total this Invoice</b>					<b>\$34,824.00</b>

Authorized By: Linhua Li  
Linhua Li, P.E., PTOE  
Project Manager

Date: 8-20-15

RJS  
8/28/15

## PROJECT MEMORANDUM

**DATE:** August 20, 2015

**TO:** Mr. Rick J. Staigle, PE, PTOE  
Fort Bend County

**FROM:** Linhua Li, P.E., PTOE  
TEDSI Infrastructure Group (TEDSI)

**PROJECT:** Grand Parkway/SH 99 Traffic Study  
Professional Engineering Services for Traffic Analysis  
2013 Mobility Bond Project No. 13319  
REQ 116068; P.O.No. 127019

**SUBJECT:** Monthly Progress Report

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### **Work Performed from July 1, 2015 to July 31, 2015: (80% complete)**

- TEDSI prepared “optimized timing”, “turn lane addition”, “continuous frontage road” and “ramp reversal” scenarios and finished Synchro models.
- TEDSI collected peak hour SH 99 main lane and ramp traffic data.
- TEDSI analyzed existing and opening year SH 99 weaving, merge and diverge sections for different scenarios.
- TEDSI prepared short-term, mid-term and long-term recommendations.
- TEDSI prepared construction cost estimate for each improvement.
- TEDSI finished draft report and submitted to FBC.
- TEDSI had a review meeting with FBC and get comments from FBC.

### **Future Work Expected:**

- TEDSI will finalize SH 99 traffic study report and address FBC comments.
- TEDSI will add frontage road from north of Fry Road to FM 1093 into the analysis.
- TEDSI will add TIA review section in the final report.