

To 127658



TEDSI INFRASTRUCTURE GROUP



Consulting Engineers
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December 09, 2015
Project No: 2015-1172-02
Invoice No: 20152580

Jillian Hernandez
Fort Bend County Road and Bridge
ATTN: Engineering Department
301 Jackson Street
Richmond, TX 77469

Project 2015-1172-02 Fort Bend County Traffic Signal Timing Services

**Traffic Engineering Services for Traffic Signal Timing
Fort Bend County
P.O. No. 127658**

Professional Services from September 27, 2015 to November 30, 2015

Phase 100 Traffic Signal Timing

Professional Personnel

	Hours	Rate	Amount
Traffic Engineer Li, Linhua	44.00	160.13	7,045.72
Totals	44.00		7,045.72
Total Labor			7,045.72

Total this Phase \$7,045.72

Billing Summary

	Current	Prior	To-Date
Total Billings	7,045.72	1,567.20	8,612.92
Total Fee			20,000.00
Remaining Fee			11,387.08

Total this Invoice \$7,045.72

RSS
12/21/15

Authorized By: *Jules Morris, Jr.*
for Jules M. Morris, Jr., P.E.
Vice President

Date: 12-9-2015

Billing Backup

TEDSI Infrastructure Group Invoice 20152580

Project	2015-1172-02	Fort Bend County Traffic Signal Timing Services
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Phase	100	Traffic Signal Timing
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Professional Personnel

	Hours	Rate	Amount
Traffic Engineer			
201 - Li, Linhua	10/8/2015	2.00	160.13
201 - Li, Linhua	10/9/2015	4.00	160.13
201 - Li, Linhua	10/12/2015	5.00	160.13
201 - Li, Linhua	10/19/2015	4.00	160.13
201 - Li, Linhua	10/27/2015	6.00	160.13
201 - Li, Linhua	10/28/2015	4.00	160.13
201 - Li, Linhua	11/3/2015	7.00	160.13
201 - Li, Linhua	11/4/2015	2.00	160.13
201 - Li, Linhua	11/5/2015	5.00	160.13
201 - Li, Linhua	11/11/2015	5.00	160.13
Totals	44.00		7,045.72
Total Labor			7,045.72
		Total this Phase	\$7,045.72
		Total this Project	\$7,045.72
		Total this Report	\$7,045.72

PROJECT MEMORANDUM

DATE: December 21, 2015

TO: **Jillian Hernandez**
Fort Bend County Road and Bridge

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

PROJECT: Fort Bend County Traffic Signal Timing Services
Traffic Engineering Services for Traffic Signal Timing
P.O.No. 127658

SUBJECT: Monthly Progress Report

Work Performed from October 1, 2015 to November 30, 2015:

SH 99 at Bellaire, W Bellfort and Mason:

Date	Hours	Work Done
10/8/2015	2 Hrs	TEDSI used synchro to model SH 99/Bellaire, SH 99/W Bellfort and SH 99/Mason intersections (existing and proposed conditions).
10/9/2015	4 Hrs	
10/12/2015	5 Hrs	TEDSI tested new timing in the controller inside the office before field implementation.
10/19/2015	4 Hrs	TEDSI calculated yellow, all-red, and ped clearance intervals for the three intersections.
10/27/2015	6 Hrs	TEDSI implemented new timing in the field at the three intersections, and fine-tuned based on the field traffic.
10/28/2015	4 Hrs	TEDSI sent the new timing database and timing sheets to FBC.
11/5/2015	5 Hrs	TEDSI programmed Cobalt controllers for SH 99/Mason and SH 99/Bellaire intersections.
11/11/2015	5 Hrs	
Total	35 Hrs	

Fry Road at Seven Meadows and at HEB Driveway:

Date	Hours	Work Done
11/3/2015	7 Hrs	TEDSI received complaints about EB backup on Fry Road at Seven Meadows and HEB driveway during early morning (5:30 AM) period. TEDSI recommended FBC to change the starting time of AM peak plan from 6 AM to 5 AM, and helped FBC implement the change into the field controllers. TEDSI contacted TxDOT and obtained permission to change starting

		time of AM peak plan from 6 AM to 5 AM at SH 99/Fry intersection (TxDOT intersection). TEDSI made the schedule change in the field to all three intersections.
11/4/2015	2 Hrs	TEDSI sent new timing to TxDOT and FBC.
Total	9 Hrs	

Future Work Expected:

- TEDSI will meet with FBC to discuss phasing options at SH 99/Bellaire intersection.
- TEDSI will help switch field controllers at SH 99/ Mason and SH 99/ Bellaire.