



# MEMORANDUM

**TO:** ~~Melisa D. Montemayor, P. E.~~  
Attention: ~~Alberto Ramirez, P.E.~~

**DATE:** October 12, 2012

**FROM:** William E. Knowles, P.E.

**FILE:** TPP (T)  
(512) 486-5100

**SUBJECT:** Traffic Data  
CSJ: 0017-08-XXX  
I-35 West Frontage Road:  
From Frio County Line  
To RM 68 +00.000  
LaSalle County

Attached are tabulations showing traffic analysis for highway design for the 2013 to 2033 twenty year period for the described limits of the route. Included are data for use in air and noise analysis.

Due to significant differences in traffic volumes, data are presented in the below listed sections:

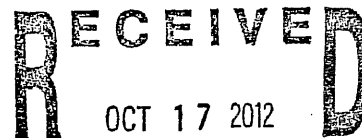
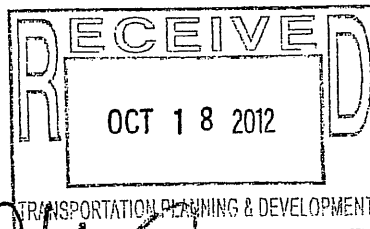
- Section 1 – From Frio Co. Line to BI 35-C, N. Jcnct.
- Section 2 – From BI 35-C, N. Jcnct. to RM 68 +00.000

Please refer to your original memorandum dated August 14, 2012.

If you have any questions or need additional information, please contact James Burnett at (512) 486-5165.

**Attachments**

cc: ✓ Hector M. Cayan, Laredo District, TxDOT  
Design Division



LAREDO DISTRICT  
MAIL ROOM

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN

October 8, 2012

Laredo District

Description of Location	Average Daily Traffic			Dir Dist %	Base Year			ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2013 to 2033)					
	2013	2033	2033		K Factor	ADT	Percent Trucks			DHVV	Flexible Pavement	S	N	Rigid Pavement	SLAB
<p><u>I-35 West Frontage Road</u></p> <p>Section 1</p> <p>From Frio Co. Line To BI 35-C, N. Jcnctn. LaSalle County</p>	500	700	54 - 46	8.5	11.3	8.5	9,400	60	151,000	3	178,000	8"			

NOT INTENDED FOR CONSTRUCTION  
BIDDING OR PERMIT PURPOSES  
William Erick Knowles, P.E.  
Serial Number 84704

Data for Use in Air & Noise Analysis

Vehicle Class	Base Year	
	% of ADT	% of DHV
Light Duty	88.7	91.5
Medium Duty	8.3	6.2
Heavy Duty	3	2.3

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN

Laredo District

October 8, 2012

Description of Location	Average Daily Traffic		Dir Dist %	Base Year			ATHWLD	Percent Tandem Axles in ATHWLD	Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2013 to 2033)		SLAB	
	2013	2033		K Factor	ADT	Percent Trucks			DHV	Flexible Pavement		S Rigid Pavement
	I-35 West Frontage Road Section 2  From BI 35-C, N. Jnctn. To RM 68 +00.000  LaSalle County	1,300	1,800	54 - 46	8.5	8.4	6.3	9,900	50	292,000	3	342,000

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Serial Number 84704

Data for Use in Air & Noise Analysis		
Vehicle Class	Base Year	
	% of ADT	% of DHV
Light Duty	91.6	93.7
Medium Duty	6.2	4.7
Heavy Duty	2.2	1.6