



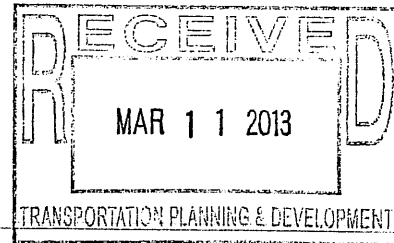
# MEMORANDUM

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

**DATE:** March 6, 2013

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

**SUBJECT:** Traffic Data  
CSJ: 0236-03-XX1  
FM 117:  
From US 57  
To FM 1866  
Zavala County



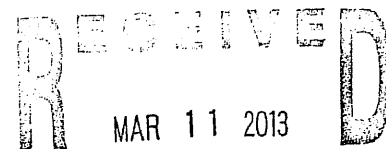
Attached is a tabulation showing traffic analysis for highway design for the 2014 to 2034 twenty year design period for the described limits of the route. Also included is a tabulation showing data for use in air and noise analysis.

Please refer to you original memorandum dated February 8, 2013.

If you have any questions or need additional information, please contact George Petrek at (512) 486-5140.

Attachment

cc: ✓ Hector M. Cayanan, LRD  
Design Division



LAREDO DISTRICT  
MAIL ROOM

**TRAFFIC ANALYSIS FOR HIGHWAY DESIGN**

Laredo District

February 28, 2013

Description of Location	Average Daily Traffic				Dir Dist %	K Factor	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 (2014 to 2034)				
	2014		2034				ADT	DHT	DHV			Flexible Pavement	S	Rigid Pavement	N	SLAB
	2034		2034													
	2014	2034	2014	2034												
FM 117  From US 57 To FM 1866  Zavala County	2,500	4,200	58 - 42	12.1	12.7	9.5	10,700	40	961,000	3	1,147,000	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	87.3	90.5
Medium Duty	8.4	6.3
Heavy Duty	4.3	3.2