




MEMO

August 16, 2013

To: Melisa D. Montemayor
Attention: Alberto Ramirez, P.E.

From: William E. Knowles, P.E. 

CC: Hector M. Cayanan, Laredo District
Design Division

Subject: Traffic Data
CSJ: 0652-04-051
FM 624:
From SH 97
To 3.163 Miles South of FM 469

La Salle County

Attached are tabulations showing traffic analysis for highway design for the 2014 to 2034 twenty year period for the described limits of the route. Included are tabulations showing data for use in air and noise analysis.

Due to differences in traffic volumes this project was separated into two sections:

Section 1: From SH 97 to Dobie Road Southeast of Cotulla

Section 2: From Dobie Road Southeast of Cotulla to 3.163 Miles South of FM 469

Please refer to your original memorandum dated July 12, 2013.

If you have any questions or need additional information, please contact Robert Williams at (512) 486-5145.

Attachments

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN

Laredo District

August 14, 2013

Description of Location	Base Year					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)					
	Average Daily Traffic		Dir Dist %	K Factor	Percent Trucks		ATHWLD	Flexible Pavement	S	Rigid Pavement		
	2014	2034									ADT	DHV
<u>FM 624</u> Section 1 From SH 97 To Dobie Road Southeast of Cotulla La Salle County	2,300	3,500	53 - 47	10.6	32.2	24.2	11,200	60	3,099,000	3	4,327,000	8"
NOT INTENDED FOR CONSTRUCTION BIDDING OF 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	67.8	75.8
Medium Duty	9.5	7.1
Heavy Duty	22.7	17.1

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN

Laredo District

August 14, 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	DHV			S	N	Rigid Pavement	SLAB
	2014	2034	2014	2034										
<u>FM 624</u> <u>Section 2</u> From Dobie Road Southeast of Cotulla To 3.163 Miles South of FM 469 La Salle County	1,400	2,200	53 - 47	10.6	40.6	30.5	11,000	60	2,424,000	3	3,385,000	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	59.4	69.5
Medium Duty	12.0	9.0
Heavy Duty	28.6	21.5