

Texas Department of Transportation

TECHNICAL PROVISIONS

STATE HIGHWAY 360

Attachment 8-1

ESAL Counts

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN

Fort Worth District

October 24, 2011

										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2020 to 2040)				
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD			Flexible Pavement	S N	Rigid Pavement	SLAB
	2020	2040			ADT	DHV								
Data for Use in Air & Noise Analysis														
Vehicle Class	Base Year													
	% of ADT	% of DHV												
Light Duty	93.5		95.7											
Medium Duty	3.1		2											
Heavy Duty	3.4		2.3											
										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2020 to 2050)				
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD			Flexible Pavement	S N	Rigid Pavement	SLAB
	2020	2050			ADT	DHV								
SH 360														
Section 1														
From Green Oaks Blvd To Holland Road	80,000	145,400	62 - 38	10.5	6.5	4.3	15,300	40		31,053,000	3	39,980,000	8"	
Tarrant County														

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN

Fort Worth District

October 24, 2011

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Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Base Year Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD	Flexible Pavement	S N	Rigid Pavement	SLAB	
	2020	2040			ADT	DHV							
Data for Use in Air & Noise Analysis													
Vehicle Class	Base Year												
	% of ADT		% of DHV										
Light Duty	94.4		96.3										
Medium Duty	2.7		1.8										
Heavy Duty	2.9		1.9										
										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2020 to 2050)			
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Base Year Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD	Flexible Pavement	S N	Rigid Pavement	SLAB	
	2020	2050			ADT	DHV							
SH 360													
Section 2													
From Holland Road To US 287													
Tarrant County													
9,958,000 3 12,809,000 8"													