

**TEXAS DEPARTMENT OF TRANSPORTATION
TECHNICAL PROVISIONS
FOR
SH 99 GRAND PARKWAY SEGMENTS H, I-1, AND I-2**

**ATTACHMENT 8-2
ESALS AND TRAFFIC DATA**

APRIL 30, 2015

TRAFFIC ANALYSIS FOR HIGHWAY DESIGN

Houston District

February 23, 2015

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 (2019 to 2039)								
		2019	2039	Factor	K	Percent Trucks	DHVV			Flexible Pavement	S N	Rigid Pavement	SLAB					
SH - 99 Segment (H)																		
Draft		From I-69 To US 90		15,000 21,100		59 - 41		10.1		11.5 7.6		11,900		50		6,566,000 3 9,021,000 8"		
Data for Use in Air & Noise Analysis																		
Vehicle Class		% of ADT		% of DHV		Base Year		Percent Trucks		ATHWLD		Percent Tandem Axles in ATHWLD		Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2019 to 2049)				
						Flexible Pavement		S N		Rigid Pavement		SLAB						
Light Duty		88.5		92.4														
Medium Duty		8.1		5.3														
Heavy Duty		3.4		2.3														
SH - 99 Segment (H)		From I-69 To US 90		15,000 23,700		59 - 41		10.1		11.5 7.6		11,900		40		10,558,000 3 14,506,000 8"		

