

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

RFP ADDENDUM #8

DECEMBER 19, 2016

**ATTACHMENT 8-2
ESALS and Traffic Data**

Mainlanes- 30 years								Total # of 18k ESAL Applications in One Direction Expected for a 30 Year Period (2019-2049)	
Location	Average Daily Traffic		Percent Truck		ATHWLD	% Tandem Axles in ATHWLD		Flexible Pavement	Rigid Pavement
	2019	2049	ADT	DHV					
SEGMENT H From I-69 to US 90	15,700	26,300	14.3	9.4	12,000	50		15,000,000	21,102,000
SEGMENT I-1 From US 90 to I-10	20,000	33,300	14.9	9.8	12,200	50		19,830,000	27,900,000
SEGMENT I-2 From FM 1405 to SH 146	23,700	37,500	9.6	6.3	12,000	40		13,955,000	19,162,000

ATTACHMENT 8-2 ESALS and Traffic Data

Frontage Roads - 30 years								Total # of 18K ESAL Applications in One Direction Expected for a 30 Year Period (2019-2049)	
Location	Average Daily Traffic		Percent Truck		ATHWLD	% Tandem Axles in ATHWLD		Flexible Pavement	Rigid Pavement
	2019	2049	ADT	DHV					
I-69/US 59 to I-10	15,500	23,800	6.6	5.0	11,300	20		4,030,000	4,449,000

Frontage Roads - 30 years								Total # of 18K ESAL Applications in One Direction Expected for a 30 Year Period (2011-2041)	
Location	Average Daily Traffic		Percent Truck		ATHWLD	% Tandem Axles in ATHWLD		Flexible Pavement	Rigid Pavement
	2006	2036	ADT	DHV					
FM 1405 to SH 146	10,100	16,600	10.8	7.1	11,300	60		5,225,000	6,819,000