Texas Department of Transportation Technical Provisions

STATE HIGHWAY 71 TOLL LANES

Attachment 8-1
ESAL Counts
Addendum 2

									Total Number of E	quivalent 18K ESAL	
Description of Location	Average Daily Traffic		Base Year				ATHWLD	% Tandem Axles in	Single Axle Load Applications in One Direction Expected for a <u>20 Year</u> Period (2016 to 2036)		
			Dir. Dirt 0/	W f	Perce	nt Truck	1	ATHWLD	Flexible	Rigid	
	2016	2036	Dir. Dist. %	K factor	ADT	DHV			Pavement	Pavement	
SH71 Toll Lanes From Presidential Blvd to SH130 New Lanes and Inside Widening Section	24,887	29,532	50	8.7	10.4	5.1	15,100	50	6,325,996	1	
Travis County											
							ı	1	Total Number of E	quivalent 18K ESAL	
Description of Location	Average [Daily Traffic	Base Year				- ATHWLD	% Tandem Axles in ATHWLD	Single Axle Load Applications in One Direction Expected for a <u>30 Year</u> Period (2016 to 2046)		
			Dir. Dist. % K factor		Percent Truck				Flexible	Rigid	
	2016	2046	DIF. DIST. %	K factor	ADT	DHV			Pavement	Pavement	
SH71 Toll Lanes From Presidential Blvd to SH130 New Lanes	24,993	35,138	50	8.7	10.4	5.1	15,100	50	13,858,879	20,888,445	
Travis County											
									Total Number of E	quivalent 18K ESAL	
Description of Location	Average Daily Traffic		Base Year				ATHWLD	% Tandem Axles in	Single Axle Load Applications in One Direction Expected for a <u>20 Year</u> Period (2016 to 2036)		
Description of Location			Dir. Dist. %	K factor	Perce	nt Truck	AIIIWLD	ATHWLD	Flexible	Rigid	
	2016	2036	טוו. טוגנ. %	к тассог	ADT	DHV			Pavement	Pavement	
SH71 General Purpose Lanes New Lanes (20-y Design) and 4 ¹ Widening- Outside Shoulder Travis County	41,898	50,848	50	8.7	10.4	5.1	15,000	50	10,645,733	-	

									Total Nu	mber of E	quivalent 18K ESAL	
Description of Location	Average Daily Traffic			Base '	Year		ATHWLD	% Tandem Axles in ATHWLD	Single Axle Load Applications in One Direction Expected for a <u>20</u> <u>Year</u> Period (2016 to 2036)			
			Dir. Dist. %	K Factor	Percent Truck				Flexible	s	Rigid	SLAB
	2016	2036			ADT	DHV			Pavement	N	Pavement	
<u>FM 973</u>												
From Harold Green Dr (CR1594) to 0.5mi South of SH71 Travis County	21,775	32,275	73 - 27	13.5	8.1	6.1	13,600	70	7,510,720	3	10,231,272	8"
Travis County					J							
			Total Number of Equivalent 18K ESAL									
Description of Location	Average Daily Traffic			Base '	Year		ATHWLD	% Tandem	Single Axle Load Applications in One Direction Expected for a <u>30</u> <u>Year</u> Period (2016 to 2046)			
			Dir. Dist. %	V Fostor	Percent Truck		AIRWLD	ATHWLD	Flexible	S	Rigid	SLAB
	2016	2046	DII. DIST. %	K Factor	ADT	DHV			Pavement	N	Pavement	JLAD
<u>FM 973</u>												
From Harold Green Dr (CR1594) to 0.5mi South of SH71	21,775	35,380	73 - 27	13.5	8.1	6.1	13,700	70	11,872,272	3	16,172,646	8"
Travis County	1	1			ĺ		1		I			I