

**Texas Department of Transportation**  
**TECHNICAL PROVISIONS**

**STATE HIGHWAY 71 TOLL LANES**

**Attachment 8-1**  
**ESAL Counts**  
**Addendum 2**

									Total Number of Equivalent 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 Year</u> Period (2016 to 2036)	
	2016	2036	Dir. Dist. %	K factor	Percent Truck				Flexible Pavement	Rigid Pavement
					ADT	DHV				
<u>SH71 Toll Lanes</u> From Presidential Blvd to SH130 New Lanes and Inside Widening Section Travis County	24,887	29,532	50	8.7	10.4	5.1	15,100	50	6,325,996	--
									Total Number of Equivalent 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)	
	2016	2046	Dir. Dist. %	K factor	Percent Truck				Flexible Pavement	Rigid Pavement
					ADT	DHV				
<u>SH71 Toll Lanes</u> From Presidential Blvd to SH130 New Lanes Travis County	24,993	35,138	50	8.7	10.4	5.1	15,100	50	13,858,879	20,888,445
									Total Number of Equivalent 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 Year</u> Period (2016 to 2036)	
	2016	2036	Dir. Dist. %	K factor	Percent Truck				Flexible Pavement	Rigid Pavement
					ADT	DHV				
<u>SH71 General Purpose Lanes</u> New Lanes (20-y Design) and 4' Widening- Outside Shoulder Travis County	41,898	50,848	50	8.7	10.4	5.1	15,000	50	10,645,733	--

										Total Number of Equivalent 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> Year Period (2016 to 2036)				
	2016	2036	Dir. Dist. %	K Factor	Percent Truck				Flexible Pavement	S N	Rigid Pavement	SLAB	
					ADT	DHV							
<u>FM973</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"	

  

										Total Number of Equivalent 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</u> Year Period (2016 to 2046)				
	2016	2046	Dir. Dist. %	K Factor	Percent Truck				Flexible Pavement	S N	Rigid Pavement	SLAB	
					ADT	DHV							
<u>FM973</u> From Harold Green Dr (CR1594) to 0.5mi South of SH71 Travis County	21,775	35,380	73 -27	13.5	8.1	6.1	13,700	70	11,872,272	3	16,172,646	8"	