CENTRAL TEXAS
Regional Mobility Authority

Meeting Date: October 28, 2015
AGENDA ITEM # 5

Authorize installation of traffic signals at the intersection of San Gabriel Parkway with northbound and southbound 183A frontage roads.

Strategic Plan Relevance:	Regional Mobility
Department:	Engineering
Contact:	Wesley M. Burford, P.E., Director of Engineering
Associated Costs:	approximately $150,000
Funding Source:	Operating Fund
Action Requested:	Consider and act on draft resolution

Summary:

The intersection of 183A and San Gabriel Parkway is currently stop-controlled. A Traffic Signal Warrant Analysis was performed on June 16, 2015. Traffic counts were performed on September 16, 2015, and the results indicate that a signal is warranted.

The results of the warrant are based on the data collected in accordance with the TxDOT standard process for signals. The peak hour criteria (Warrant 3 - Peak Hour) was met. The Executive Director recommends installation of a traffic signal at this intersection.

Backup provided:
Traffic Signal Warrant
Support Letters
Draft Resolution for Board Consideration

Traffic Signal Warrant

183A Frontage Road

And San Gabriel Parkway

CENTRAL TEXAS
Regional Mobility Authority

October 2015

TABLE OF CONTENTS

LIST OF EXHIBITS

I. PROJECT DESCRIPTION

This report presents a summary of findings for a Traffic Signal Warrant Analysis performed by HNTB Corporation, Inc. for the intersection of 183A Frontage Road and San Gabriel Parkway in Leander, Williamson County, Texas. A Site Location Map has been included in the Appendix of this report as ***Exhibit 1***.

To conduct the signal warrant analysis, 24-hour traffic counts were collected for each of the approaches to intersection of 183A and San Gabriel Parkway on September 15, 2015. Analysis was conducted for both the 183A Northbound Frontage Road intersection and the 183A Southbound Frontage Road intersection. The intersection of 183A Southbound Frontage Road and San Gabriel Parkway was found to have both the highest traffic volumes and number of crashes. Traffic volume data and most recent available crash data can be found in the Appendix of this report as ***Exhibit 2***. A site visit was also conducted to observe the geometric configuration of the intersection as well as any unique characteristics about the approaches.

The speed limit on the northbound and southbound frontage roads is 60 mph and San Gabriel Parkway Approach is 45 mph. San Gabriel Parkway Approach is currently stop-controlled, both eastbound and westbound, at both intersections.

II. ANALYSIS

The 2011 Texas Manual on Uniform Traffic Control Devices (TMUTCD) requires that certain warrants be met prior to the installation of a traffic signal. These warrants are summarized at follows:

1. Eight-Hour Vehicular Volume
2. Four-Hour Vehicular Volume
3. Peak Hour
4. Pedestrian Volume
5. School Crossing
6. Coordinated Signal System
7. Crash Experience
8. Roadway Network
9. Intersection Near a Grade Crossing

Below are the TMUTCD descriptions of the Traffic Signal Warrants. In addition to the descriptions, TMUTCD also considers sound engineering judgment and recommendations as enough evidence to warrant the necessity of a traffic signal.

A. Warrant 1 – Eight-Hour Vehicular Volume

This warrant involves three (3) conditions (A, B, or a combination of A and B) which can individually satisfy the conditions of Warrant 1. Condition A is the Minimum Vehicular Volume which is intended for application at locations where a large volume of intersecting traffic is the principal reason to consider installing a traffic control signal. Condition B is the Interruption of Continuous Traffic which

is intended for application where the traffic volume on a major street is so heavy that traffic on a minor street suffers excessively.

B. Warrant 2 – Four-Hour Vehicular Volume

This warrant is intended to be applied where the volumes of intersecting traffic is the principal reason to consider installing a traffic control signal.

C. Warrant 3 – Peak Hour

This warrant is intended for use at a location where traffic conditions are such that for a minimum of one (1) hour of an average day, the minor-street traffic suffers undue delay when entering or crossing the major street.

D. Warrant 4 – Pedestrian Volume

This warrant is intended for application where the traffic volume on a major street is so heavy that pedestrians experience excessive delay in crossing the major street.

E. Warrant 5 – School Crossing

This warrant is intended for application where the fact that school children cross the major street is the principal reason to consider installing a traffic control signal.

F. Warrant 6 – Coordinated Signal System

This warrant is when progressive movement in a coordinated signal system sometimes necessitates installing traffic control signals at intersections where they would not otherwise be needed in order to maintain proper platooning of vehicles.

G. Warrant 7 – Crash Experience

This warrant is intended for application where the severity and frequency of crashes are the principal reasons to consider installing a traffic control signal. Requests for crash data have been submitted to TxDOT and we have yet to receive them.

H. Warrant 8 – Roadway Network

This warrant is analyzed when installing a traffic control signal at some intersections might be justified to encourage concentration and organization of traffic flow on a roadway.

I. Warrant 9 – Intersection Near a Grade Crossing

This warrant is analyzed when installing a traffic control signal at some intersections might be justified to encourage concentration and organization of traffic flow on a roadway.

III. RESULTS AND RECOMMENDATIONS

The following results and recommendations are based on data that has been collected and standards set by the TMUTCD. Traffic Signal Warrant Analysis was completed for both the 183A Northbound Frontage Road and 183A Southbound Frontage Road, but only the 183A Southbound Frontage Road intersection was found to satisfy any of the TMUTCD Warrants. The peak hour volume criteria for Warrant 3 were satisfied. Due to the crash history at the site, the Crash Experience Warrant, Warrant 7, was also analyzed. It was determined that the intersection with the southbound frontage road also met the volume criteria outlined by Condition B of Warrant 7 and therefore Warrant 7 was also satisfied. Since Warrants 3 and 7 are each met, installation of a traffic signal is recommended. Please refer to ***Exhibit 3*** within the Appendix of this report for the detailed Signal Warrant Worksheets.

APPENDIX

EXHIBIT 1

SITE LOCATION MAP

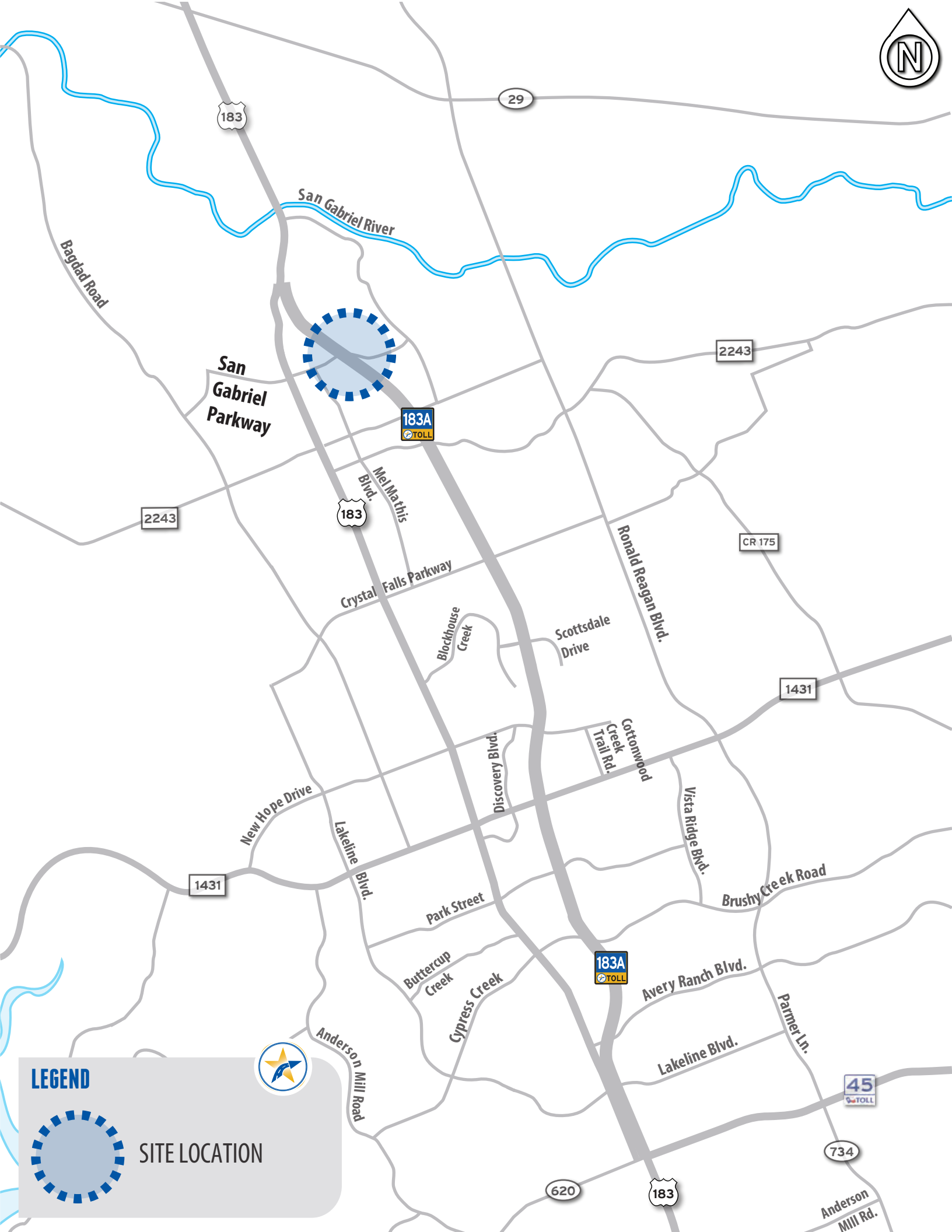

N
29
183
San Gabriel River
Bagdad Road
San Gabriel Parkway
2243
183A
TOLL
Mel Mathis Blvd.
183
2243
Crystal Falls Parkway
Blockhouse Creek
Scottsdale Drive
Ronald Reagan Blvd.
CR 175
1431
Cottonwood Creek Trail Rd.
Discovery Blvd.
Vista Ridge Blvd.
New Hope Drive
Lakeline Blvd.
1431
Park Street
Brushy Creek Road
Buttercup Creek
Cypress Creek
183A
TOLL
Avery Ranch Blvd.
Parmer Ln.
Lakeline Blvd.
Anderson Mill Road
45
TOLL
734
620
183
Anderson Mill Rd.
LEGEND
SITE LOCATION

EXHIBIT 2

24-HOUR TRAFFIC COUNTS/ACCIDENT DATA

Gram Traffic, Inc.
3751 FM 1105 Bldg A
Georgetown, TX. 786

Page 1

Site Code: Loc 36
Station ID:
San Gabriel Pkwy
Just East of US 183A
Latitude: 0' 0.0000 Unc

	15-Sep	Westbound		Hour Totals		Eastbound		Hour Totals		Combined Totals	
	Tue	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		0	5			0	5				
12:15		0	4			4	4				
12:30		1	9			1	8				
12:45		0	3	1	21	0	10	5	27	6	48
01:00		0	3			0	7				
01:15		0	8			0	4				
01:30		0	2			1	3				
01:45		1	7	1	20	1	8	2	22	3	42
02:00		0	3			1	6				
02:15		0	5			0	6				
02:30		0	12			0	12				
02:45		0	7	0	27	0	5	1	29	1	56
03:00		0	4			0	3				
03:15		0	3			0	6				
03:30		1	8			0	5				
03:45		0	4	1	19	1	7	1	21	2	40
04:00		0	5			0	7				
04:15		0	5			0	7				
04:30		1	4			0	9				
04:45		1	7	2	21	0	7	0	30	2	51
05:00		2	10			0	4				
05:15		2	5			0	6				
05:30		1	9			0	8				
05:45		9	6	14	30	2	7	2	25	16	55
06:00		5	7			3	8				
06:15		3	9			1	13				
06:30		10	4			4	11				
06:45		3	3	21	23	6	8	14	40	35	63
07:00		5	1			4	9				
07:15		9	6			6	4				
07:30		12	6			6	10				
07:45		15	1	41	14	8	13	24	36	65	50
08:00		6	3			6	6				
08:15		4	9			4	2				
08:30		5	3			1	5				
08:45		3	1	18	16	6	4	17	17	35	33
09:00		8	3			1	3				
09:15		10	4			6	3				
09:30		8	2			2	3				
09:45		2	3	28	12	2	1	11	10	39	22
10:00		5	2			1	1				
10:15		5	3			4	3				
10:30		4	1			1	4				
10:45		1	0	15	6	7	1	13	9	28	15
11:00		3	0			6	3				
11:15		3	1			4	2				
11:30		12	0			5	1				
11:45		6	0	24	1	3	0	18	6	42	7
Total		166	210			108	272			274	482
Percent		44.1%	55.9%			28.4%	71.6%			36.2%	63.8%
	0	166	210	166	210	108	272	108	272	274	482

							Gram Traffic, Inc.							Page 2		
							3751 FM 1105 Bldg A									
							Georgetown, TX. 78626									
							512-832-8650							Site Code: Loc 36		
														Station ID:		
														San Gabriel Pkwy		
														Just East of US 183A		
														Latitude: 0' 0.0000 Unc		
		16-Sep	Westbound		Hour Totals		Eastbound		Hour Totals		Combined Totals					
		Wed	Morning	Afterno	Morning	Afterno	Morning	Afterno	Morning	Afterno	Morning	Afternoon				
12:00			1	4			0	4								
12:15			0	1			3	6								
12:30			1	12			0	8								
12:45			1	5	3	22	1	5	4	23	7	45				
01:00			1	5			1	10								
01:15			0	4			1	7								
01:30			1	8			1	9								
01:45			0	6	2	23	0	7	3	33	5	56				
02:00			0	7			0	12								
02:15			0	5			0	8								
02:30			0	5			0	7								
02:45			0	12	0	29	0	9	0	36	0	65				
03:00			0	7			0	4								
03:15			0	6			0	6								
03:30			0	5			0	5								
03:45			0	4	0	22	0	7	0	22	0	44				
04:00			0	3			0	4								
04:15			0	1			0	8								
04:30			2	5			0	1								
04:45			1	11	3	20	0	8	0	21	3	41				
05:00			0	13			0	7								
05:15			2	3			0	8								
05:30			1	4			1	9								
05:45			9	8	12	28	1	7	2	31	14	59				
06:00			5	3			3	6								
06:15			5	7			1	10								
06:30			8	7			4	10								
06:45			5	6	23	23	4	10	12	36	35	59				
07:00			4	5			3	7								
07:15			11	5			3	6								
07:30			12	3			8	2								
07:45			8	5	35	18	7	9	21	24	56	42				
08:00			5	7			5	8								
08:15			11	4			3	5								
08:30			4	3			5	6								
08:45			9	3	29	17	1	2	14	21	43	38				
09:00			3	1			9	0								
09:15			6	0			2	4								
09:30			2	0			4	3								
09:45			2	2	13	3	2	6	17	13	30	16				
10:00			1	6			5	5								
10:15			3	5			2	1								
10:30			6	0			5	2								
10:45			4	1	14	12	5	1	17	9	31	21				
11:00			6	0			6	2								
11:15			6	1			2	1								
11:30			13	2			2	0								
11:45			3	0	28	3	5	2	15	5	43	8				
Total			162	220			105	274			267	494				
Percent			42.4%	57.6%			27.7%	72.3%			35.1%	64.9%				
	0		162	220	162	220	105	274	105	274	267	494				
Grand Total			328	430			213	546			541	976				
Percent			43.3%	56.7%			28.1%	71.9%			35.7%	64.3%				

				Gram Traffic, Inc.										Page 1		
				3751 FM 1105 Bldg A												
				Georgetown, TX. 786												
														Site Code: Loc 38		
														Station ID:		
														183A Ramp - Southbound		
														Just South of US 183/CR 286 Intersection		
														Latitude: 0' 0.0000 Undefined		
		15-Sep	Southbound		Hour Totals											
		Tue	Morning	Afterno	Morning	Afternoon										
12:00			14	109												
12:15			7	122												
12:30			10	130												
12:45			7	122	38	483										
01:00			4	119												
01:15			3	110												
01:30			5	114												
01:45			3	119	15	462										
02:00			2	130												
02:15			3	133												
02:30			6	127												
02:45			4	151	15	541										
03:00			3	125												
03:15			9	99												
03:30			7	139												
03:45			10	164	29	527										
04:00			19	129												
04:15			20	138												
04:30			14	131												
04:45			30	147	83	545										
05:00			30	108												
05:15			78	145												
05:30			84	172												
05:45			97	133	289	558										
06:00			158	153												
06:15			212	137												
06:30			253	118												
06:45			252	84	875	492										
07:00			257	81												
07:15			265	77												
07:30			268	72												
07:45			281	54	1071	284										
08:00			209	46												
08:15			211	44												
08:30			178	69												
08:45			173	43	771	202										
09:00			151	33												
09:15			148	35												
09:30			162	31												
09:45			127	22	588	121										
10:00			133	22												
10:15			110	19												
10:30			148	26												
10:45			143	24	534	91										
11:00			122	14												
11:15			133	11												
11:30			136	11												
11:45			114	8	505	44										
Total			4813	4350												
Percent			52.5%	47.5%												
		0	4813	4350	4813	4350										

					Gram Traffic, Inc.									Page 2		
					3751 FM 1105 Bldg A											
					Georgetown, TX. 78626											
					512-832-8650									Site Code: Loc 38		
														Station ID:		
														183A Ramp - Southbound		
														Just South of US 183/CR 286 Intersection		
														Latitude: 0' 0.0000 Undefined		
		16-Sep	Southbound		Hour Totals											
		Wed	Morning	Afterno	Morning	Afternoon										
12:00			8	116												
12:15			5	121												
12:30			8	110												
12:45			5	98	26	445										
01:00			6	110												
01:15			5	110												
01:30			6	100												
01:45			6	85	23	405										
02:00			2	120												
02:15			8	104												
02:30			3	120												
02:45			7	110	20	454										
03:00			3	106												
03:15			3	104												
03:30			7	102												
03:45			7	103	20	415										
04:00			6	115												
04:15			16	117												
04:30			26	115												
04:45			44	124	92	471										
05:00			44	134												
05:15			62	135												
05:30			68	156												
05:45			113	116	287	541										
06:00			156	137												
06:15			208	106												
06:30			256	98												
06:45			230	99	850	440										
07:00			261	49												
07:15			287	70												
07:30			280	75												
07:45			262	44	1090	238										
08:00			198	52												
08:15			197	55												
08:30			173	24												
08:45			137	34	705	165										
09:00			135	48												
09:15			123	24												
09:30			134	26												
09:45			120	19	512	117										
10:00			124	24												
10:15			112	19												
10:30			113	17												
10:45			120	11	469	71										
11:00			105	10												
11:15			82	7												
11:30			97	7												
11:45			85	2	369	26										
Total			4463	3788												
Percent			54.1%	45.9%												
		0	4463	3788	4463	3788										
Grand Total			9276	8138												
Percent			53.3%	46.7%												

				Gram Traffic, Inc.										Page 1		
				3751 FM 1105 Bldg A												
				Georgetown, TX. 786												
														Site Code: Loc 39		
														Station ID:		
														US 183A Off Ramp - Northbound		
														South of San Gabriel Pkwy		
														Latitude: 0' 0.0000 Undefined		
		15-Sep	Northbound		Hour Totals											
		Tue	Morning	Afterno	Morning	Afternoon										
12	12:00		12	84												
13	12:15		13	88												
14	12:30		5	92												
15	12:45		5	90	35	354										
16	01:00		2	128												
17	01:15		13	100												
18	01:30		9	124												
19	01:45		6	106	30	458										
20	02:00		6	120												
21	02:15		2	114												
22	02:30		3	123												
23	02:45		6	127	17	484										
24	03:00		2	136												
25	03:15		11	157												
26	03:30		7	192												
27	03:45		6	160	26	645										
28	04:00		5	174												
29	04:15		18	166												
30	04:30		12	221												
31	04:45		11	226	46	787										
32	05:00		25	254												
33	05:15		20	225												
34	05:30		27	220												
35	05:45		23	196	95	895										
36	06:00		32	182												
37	06:15		51	161												
38	06:30		49	155												
39	06:45		76	129	208	627										
40	07:00		90	120												
41	07:15		92	129												
42	07:30		85	100												
43	07:45		66	94	333	443										
44	08:00		80	93												
45	08:15		98	81												
46	08:30		98	62												
47	08:45		72	56	348	292										
48	09:00		84	50												
49	09:15		72	51												
50	09:30		69	42												
51	09:45		103	34	328	177										
52	10:00		72	42												
53	10:15		76	37												
54	10:30		107	37												
55	10:45		83	16	338	132										
56	11:00		98	16												
57	11:15		106	26												
58	11:30		93	19												
59	11:45		80	12	377	73										
60	Total		2181	5367												
61	Percent		28.9%	71.1%												
62		0	2181	5367	2181	5367										

				Gram Traffic, Inc.										Page 2		
				3751 FM 1105 Bldg A												
				Georgetown, TX. 78626												
				512-832-8650										Site Code: Loc 39		
														Station ID:		
														US 183A Off Ramp - Northbound		
														South of San Gabriel Pkwy		
														Latitude: 0' 0.0000 Undefined		
		16-Sep	Northbound		Hour Totals											
		Wed	Morning	Afterno	Morning	Afternoon										
12:00			15	76												
12:15			10	82												
12:30			6	128												
12:45			7	87	38	373										
01:00			11	84												
01:15			3	98												
01:30			7	98												
01:45			6	107	27	387										
02:00			7	96												
02:15			3	109												
02:30			6	119												
02:45			0	114	16	438										
03:00			11	129												
03:15			3	130												
03:30			5	162												
03:45			16	162	35	583										
04:00			6	156												
04:15			6	210												
04:30			17	196												
04:45			14	215	43	777										
05:00			23	212												
05:15			30	248												
05:30			29	209												
05:45			18	204	100	873										
06:00			60	193												
06:15			68	181												
06:30			69	144												
06:45			88	108	285	626										
07:00			91	98												
07:15			104	98												
07:30			117	85												
07:45			83	96	395	377										
08:00			99	76												
08:15			79	64												
08:30			92	58												
08:45			84	62	354	260										
09:00			70	74												
09:15			88	55												
09:30			97	48												
09:45			106	39	361	216										
10:00			106	37												
10:15			95	38												
10:30			88	28												
10:45			80	20	369	123										
11:00			94	21												
11:15			86	6												
11:30			110	13												
11:45			90	21	380	61										
Total			2403	5094												
Percent			32.1%	67.9%												
	0		2403	5094	2403	5094										
Grand Total			4584	10461												
Percent			30.5%	69.5%												

				Gram Traffic, Inc.										Page 1		
				3751 FM 1105 Bldg A												
				Georgetown, TX. 786												
														Site Code: Loc 68		
														Station ID:		
														San Gabriel Pkwy		
														Just West of US183A		
														Latitude: 0' 0.0000 Undefined		
		15-Sep	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals					
		Tue	Morning	Afterno	Morning	Afterno	Morning	Afterno	Morning	Afterno	Morning	Afternoon				
12:00			1	17			0	14								
12:15			2	11			1	9								
12:30			1	11			1	17								
12:45			0	22	4	61	1	20	3	60	7	121				
01:00			0	13			2	14								
01:15			0	24			2	19								
01:30			1	16			0	15								
01:45			1	23	2	76	1	12	5	60	7	136				
02:00			0	17			0	16								
02:15			0	21			1	21								
02:30			3	24			0	29								
02:45			0	23	3	85	0	17	1	83	4	168				
03:00			0	13			0	16								
03:15			0	25			0	19								
03:30			0	19			0	30								
03:45			1	22	1	79	0	32	0	97	1	176				
04:00			2	19			0	32								
04:15			2	17			1	31								
04:30			3	23			1	53								
04:45			7	24	14	83	0	41	2	157	16	240				
05:00			2	30			5	30								
05:15			11	20			3	40								
05:30			14	29			2	47								
05:45			19	43	46	122	4	46	14	163	60	285				
06:00			34	26			2	40								
06:15			33	27			13	28								
06:30			47	29			21	21								
06:45			43	15	157	97	23	32	59	121	216	218				
07:00			42	21			22	22								
07:15			56	20			10	28								
07:30			53	16			21	26								
07:45			62	17	213	74	21	14	74	90	287	164				
08:00			52	8			8	23								
08:15			40	12			19	22								
08:30			33	10			32	12								
08:45			24	6	149	36	20	20	79	77	228	113				
09:00			19	7			16	16								
09:15			26	4			14	9								
09:30			29	2			15	7								
09:45			14	4	88	17	12	10	57	42	145	59				
10:00			24	3			14	6								
10:15			19	3			13	12								
10:30			15	3			15	7								
10:45			28	2	86	11	15	5	57	30	143	41				
11:00			20	1			18	4								
11:15			12	3			18	3								
11:30			22	4			18	3								
11:45			26	2	80	10	22	4	76	14	156	24				
Total			843	751			427	994			1270	1745				
Percent			52.9%	47.1%			30.0%	70.0%			42.1%	57.9%				
	0		843	751	843	751	427	994	427	994	1270	1745				

Gram Traffic, Inc.
3751 FM 1105 Bldg A
Georgetown, TX. 78626
512-832-8650

Site Code: Loc 68
Station ID:
San Gabriel Pkwy
Just West of US183A
Latitude: 0' 0.0000 Undefined

		16-Sep	Eastbound		Hour Totals		Westbound		Hour Totals		Combined Totals	
		Wed	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00			0	26			0	19				
12:15			4	20			4	16				
12:30			1	15			1	22				
12:45			1	18	6	79	1	17	6	74	12	153
01:00			1	22			2	21				
01:15			1	15			1	17				
01:30			1	19			2	17				
01:45			0	20	3	76	5	26	10	81	13	157
02:00			0	23			0	20				
02:15			1	22			0	14				
02:30			0	24			1	18				
02:45			0	13	1	82	0	24	1	76	2	158
03:00			1	17			0	23				
03:15			0	19			0	30				
03:30			1	22			0	26				
03:45			2	13	4	71	0	37	0	116	4	187
04:00			1	29			1	32				
04:15			2	19			0	25				
04:30			2	22			0	37				
04:45			5	30	10	100	0	40	1	134	11	234
05:00			6	27			1	48				
05:15			10	36			4	51				
05:30			13	39			0	38				
05:45			19	25	48	127	2	46	7	183	55	310
06:00			29	25			13	35				
06:15			37	25			15	31				
06:30			38	13			15	21				
06:45			43	22	147	85	32	20	75	107	222	192
07:00			43	11			24	26				
07:15			42	16			16	18				
07:30			69	6			15	19				
07:45			61	11	215	44	18	26	73	89	288	133
08:00			42	11			12	26				
08:15			37	8			22	25				
08:30			24	7			14	23				
08:45			16	5	119	31	18	18	66	92	185	123
09:00			35	3			8	11				
09:15			15	3			17	8				
09:30			18	1			13	8				
09:45			19	5	87	12	15	6	53	33	140	45
10:00			14	3			14	10				
10:15			18	4			12	10				
10:30			20	3			9	6				
10:45			10	5	62	15	15	2	50	28	112	43
11:00			17	6			8	4				
11:15			15	2			15	2				
11:30			15	2			24	4				
11:45			15	1	62	11	16	3	63	13	125	24
Total			764	733			405	1026			1169	1759
Percent			51.0%	49.0%			28.3%	71.7%			39.9%	60.1%
		0	764	733	764	733	405	1026	405	1026	1169	1759
Grand Total			1607	1484			832	2020			2439	3504
Percent			52.0%	48.0%			29.2%	70.8%			41.0%	59.0%

Gram Traffic, Inc.
3751 FM 1105 Bldg A
Georgetown, TX. 786

Page 1

Site Code: Loc 69
Station ID:
San Gabriel Pkwy
Between Frontage Roads
Latitude: 0' 0.0000 Undefined

		15-Sep	Westbound		Hour Totals		Eastbound		Hour Totals		Combined Totals	
		Tue	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00			0	15			0	6				
12:15			1	12			4	4				
12:30			1	21			0	9				
12:45			1	21	3	69	0	14	4	33	7	102
01:00			2	14			0	6				
01:15			2	21			0	4				
01:30			0	13			1	4				
01:45			1	16	5	64	1	11	2	25	7	89
02:00			0	15			0	6				
02:15			0	23			0	5				
02:30			0	30			0	9				
02:45			0	18	0	86	0	8	0	28	0	114
03:00			0	18			0	5				
03:15			0	20			0	9				
03:30			0	28			0	6				
03:45			0	31	0	97	1	5	1	25	1	122
04:00			0	35			0	7				
04:15			1	34			0	6				
04:30			2	56			0	11				
04:45			1	38	4	163	0	6	0	30	4	193
05:00			5	34			0	6				
05:15			3	42			1	5				
05:30			3	47			2	10				
05:45			9	48	20	171	3	9	6	30	26	201
06:00			8	39			6	10				
06:15			15	35			2	10				
06:30			28	22			5	11				
06:45			22	30	73	126	10	6	23	37	96	163
07:00			21	21			7	11				
07:15			15	26			8	7				
07:30			27	25			11	10				
07:45			29	15	92	87	11	13	37	41	129	128
08:00			9	24			7	4				
08:15			22	25			6	6				
08:30			29	16			1	5				
08:45			22	18	82	83	4	4	18	19	100	102
09:00			20	18			0	4				
09:15			18	9			3	3				
09:30			19	8			3	2				
09:45			12	12	69	47	5	1	11	10	80	57
10:00			13	5			8	1				
10:15			13	14			4	2				
10:30			12	6			6	3				
10:45			16	5	54	30	13	1	31	7	85	37
11:00			18	3			7	2				
11:15			17	4			7	2				
11:30			22	2			11	2				
11:45			22	2	79	11	11	1	36	7	115	18
Total			481	1034			169	292			650	1326
Percent			31.7%	68.3%			36.7%	63.3%			32.9%	67.1%
	0		481	1034	481	1034	169	292	169	292	650	1326

Gram Traffic, Inc.
3751 FM 1105 Bldg A
Georgetown, TX. 78626
512-832-8650

Page 2

Site Code: Loc 69
Station ID:
San Gabriel Pkwy
Between Frontage Roads
Latitude: 0' 0.0000 Undefined

	16-Sep	Westbound		Hour Totals		Eastbound		Hour Totals		Combined Totals	
	Wed	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon	Morning	Afternoon
12:00		1	17			0	9				
12:15		3	13			5	4				
12:30		1	23			0	6				
12:45		1	17	6	70	1	7	6	26	12	96
01:00		3	21			1	12				
01:15		1	18			1	7				
01:30		3	20			2	10				
01:45		6	26	13	85	0	9	4	38	17	123
02:00		0	21			0	10				
02:15		0	17			0	14				
02:30		1	17			0	7				
02:45		0	24	1	79	0	7	0	38	1	117
03:00		0	24			0	6				
03:15		0	28			0	9				
03:30		0	26			1	11				
03:45		0	36	0	114	1	4	2	30	2	144
04:00		1	32			0	3				
04:15		0	24			0	7				
04:30		1	40			0	6				
04:45		1	39	3	135	0	7	0	23	3	158
05:00		1	53			0	6				
05:15		4	50			0	18				
05:30		1	38			1	10				
05:45		8	47	14	188	4	9	5	43	19	231
06:00		13	33			3	12				
06:15		16	32			6	11				
06:30		15	21			2	4				
06:45		34	23	78	109	8	11	19	38	97	147
07:00		24	25			6	7				
07:15		18	23			5	5				
07:30		21	18			15	3				
07:45		19	28	82	94	10	6	36	21	118	115
08:00		13	25			5	5				
08:15		29	26			4	2				
08:30		14	25			5	5				
08:45		20	17	76	93	2	3	16	15	92	108
09:00		11	12			4	1				
09:15		16	6			1	4				
09:30		12	4			3	1				
09:45		12	7	51	29	3	5	11	11	62	40
10:00		12	10			7	5				
10:15		12	12			6	0				
10:30		13	6			5	2				
10:45		14	3	51	31	3	2	21	9	72	40
11:00		9	4			7	2				
11:15		21	3			11	0				
11:30		26	5			9	2				
11:45		19	4	75	16	2	0	29	4	104	20
Total		450	1043			149	296			599	1339
Percent		30.1%	69.9%			33.5%	66.5%			30.9%	69.1%
	0	450	1043	450	1043	149	296	149	296	599	1339
Grand Total		931	2077			318	588			1249	2665
Percent		31.0%	69.0%			35.1%	64.9%			31.9%	68.1%

				Gram Traffic, Inc.										Page 1		
				3751 FM 1105 Bldg A												
				Georgetown, TX. 786												
														Site Code: Loc 75		
														Station ID:		
														US 183A Frontage - Northbound		
														Just North of Hero Way		
														Latitude: 0' 0.0000 Undefined		
		15-Sep	Northbound		Hour Totals											
		Tue	Morning	Afterno	Morning	Afternoon										
12:00			2	42												
12:15			3	36												
12:30			8	33												
12:45			3	35	16	146										
01:00			4	38												
01:15			3	49												
01:30			1	34												
01:45			3	30	11	151										
02:00			3	44												
02:15			3	41												
02:30			1	41												
02:45			0	48	7	174										
03:00			3	46												
03:15			2	46												
03:30			3	52												
03:45			1	73	9	217										
04:00			3	66												
04:15			2	89												
04:30			2	81												
04:45			3	79	10	315										
05:00			3	89												
05:15			5	89												
05:30			6	122												
05:45			9	68	23	368										
06:00			12	84												
06:15			24	69												
06:30			29	77												
06:45			24	58	89	288										
07:00			24	68												
07:15			31	46												
07:30			31	41												
07:45			29	44	115	199										
08:00			34	41												
08:15			43	40												
08:30			43	45												
08:45			38	47	158	173										
09:00			34	43												
09:15			14	25												
09:30			21	20												
09:45			27	20	96	108										
10:00			35	18												
10:15			31	20												
10:30			31	18												
10:45			30	13	127	69										
11:00			25	7												
11:15			47	12												
11:30			39	7												
11:45			31	4	142	30										
Total			803	2238												
Percent			26.4%	73.6%												
		0	803	2238	803	2238										

Gram Traffic, Inc.
3751 FM 1105 Bldg A
Georgetown, TX. 78626
512-832-8650

Site Code: Loc 75
Station ID:
US 183A Frontage - Northbound
Just North of Hero Way
Latitude: 0' 0.0000 Undefined

	16-Sep	Northbound		Hour Totals	
	Wed	Morning	Afternoon	Morning	Afternoon
12:00		6	35		
12:15		8	40		
12:30		4	39		
12:45		3	33	21	147
01:00		1	55		
01:15		2	45		
01:30		1	61		
01:45		5	50	9	211
02:00		1	54		
02:15		2	51		
02:30		4	59		
02:45		3	63	10	227
03:00		3	50		
03:15		1	43		
03:30		1	47		
03:45		0	67	5	207
04:00		3	48		
04:15		0	53		
04:30		3	68		
04:45		4	88	10	257
05:00		2	67		
05:15		7	101		
05:30		6	70		
05:45		11	67	26	305
06:00		23	87		
06:15		18	70		
06:30		16	53		
06:45		28	64	85	274
07:00		19	51		
07:15		23	47		
07:30		31	40		
07:45		31	38	104	176
08:00		33	55		
08:15		30	47		
08:30		61	35		
08:45		29	32	153	169
09:00		22	36		
09:15		22	33		
09:30		29	54		
09:45		31	27	104	150
10:00		23	13		
10:15		35	16		
10:30		35	19		
10:45		24	10	117	58
11:00		22	10		
11:15		40	9		
11:30		38	5		
11:45		42	13	142	37
Total		786	2218		
Percent		26.2%	73.8%		
	0	786	2218	786	2218
Grand Total		1589	4456		
Percent		26.3%	73.7%		

EXHIBIT 3

SIGNAL WARRANT WORKSHEETS

Traffic Survey — Count Analysis

Form Revised 2/27/2012

2011 TMUTCD Warrants

County: Williamson District: Waco

City: Leander Population: N/A Survey Date: 9/15/15

		Name	Control	Section	85% Speed
Major	183A SBFR				60 MPH
Minor	San Gabriel				

Eight Highest Hours: Include the same 8 hours for the Major and Minor St. volumes.

Time Ends	Major St. - Both App.		Minor St. - Hi. Vol. App.	
	Veh. Total	Ped. Total	Veh. Total	Ped. Total
8:00 AM	1,071		213	
6:00 PM	558		171	
5:00 PM	545		163	
7:00 AM	875		157	
9:00 AM	771		149	
7:00 PM	492		126	
4:00 PM	527		97	
10:00 AM	588		88	

Comments:

Warrant 1. Eight Hour Vehicular Volume

☐ Yes ☑ No Meets 70%[c] (and major-street speed exceeds 40 mph or population less than 10,000) *or* 100%[a] (regardless of speed) of Condition A.

– or –

☐ Yes ☑ No Meets 70%[c] (and major-street speed exceeds 40 mph or population less than 10,000) *or* 100%[a] (regardless of speed) of Condition B.

– or –

☐ Yes ☑ No Meets 80%[b] of Conditions A and B.

– or –

☐ Yes ☑ No Meets 56%[d] of Conditions A and B (and major-street speed exceeds 40 mph or population less than 10,000).

Condition A - Minimum Vehicle Volume

Number of Lanes		Vehicles per hour on Major St (Total of Both Approaches)					Vehicles per hour on higher-volume Minor St approach (One Direction Only)				
Major Street	Minor Street	Required				Existing	Required				Existing
		100%[a]	80%[b]	70%[c]	56%[d]	98.0%	100%[a]	80%[b]	70%[c]	56%[d]	44.0%
1	1	500	400	350	280		150	120	105	84	
2 or more	1	600	480	420	336		150	120	105	84	
2 or more	2 or more	600	480	420	336	588	200	160	140	112	88
1	2 or more	500	400	350	280		200	160	140	112	

Condition B - Interruption of Continuous Traffic

Number of Lanes		Vehicles per hour on Major St (Total of Both Approaches)					Vehicles per hour on higher-volume Minor St approach (One Direction Only)				
Major Street	Minor Street	Required				Existing	Required				Existing
		100%[a]	80%[b]	70%[c]	56%[d]	65.3%	100%[a]	80%[b]	70%[c]	56%[d]	88.0%
1	1	750	600	525	420		75	60	53	42	
2 or more	1	900	720	630	504		75	60	53	42	
2 or more	2 or more	900	720	630	504	588	100	80	70	56	88
1	2 or more	750	600	525	420		100	80	70	56	

[a]Basic minimum hourly volume.

[b]Used for combination of Conditions A and B after adequate trial of other remedial measures.

[c]May be used when the major-street speed exceeds 40 mph or in a community with a population of less than 10,000.

[d]May be used for combination of Conditions A and B after adequat trial of other remedial measures when major street exceeds 40 mph or in an isolated community with a population of less than 10,000.

Warrant 5. School Crossing

☐ Yes	☑ No		Is the number of adequate gaps in traffic stream during the period when the children are using the crossing less than the number of minutes in the same period?
N/A			***– and –***
☐ Yes	☑ No		Is there a minimum of 20 students during the highest crossing hour?
			– and –
☑ Yes	☐ No		Is the nearest signal located more than 300 feet away? (This warrant may be applied, if the proposed signal is less than 300 feet and does not restrict the progressive movement of traffic.)

Warrant 6. Coordinated Signal System

☐ Yes	☑ No		On a one-way street or a street with traffic predominantly in one direction, are the adjacent signals far enough apart that the necessary degree of vehicle platooning does not occur?
N/A			***– or –***
☐ Yes	☑ No		On a two-way street, are the adjacent signals far enough appart that the necessary degree of vehicle platooning does not occur and would the proposed and adjacent traffic control signal provide a progressive operation?

Warrant 7. Crash Experience

☑ Yes	☐ No		Is one of the following conditions met?: ♦ 80% of Condition A or Condition B in Warrant 1 ♦ 56% of Condition A or B in Warrant 1 (major-street speed exceeding 40 mph or population less than 10,000) ♦ 80 % or more of Warrant 4 met?
			– and –
☑ Yes	☐ No		Have there been 5 or more reportable crashes susceptible to correction by a traffic signal within a 12 month period?

Warrant 8. Roadway Network

☐ Yes	☑ No		Is the total existing, or immediately projected, entering volume on all approaches greater than 1000 vehicles for each of any 5 hours of a Saturday and/or Sunday.
			– or –
☐ Yes	☑ No		Is the total existing, or immediately projected, entering volume greater than 1000 vehicles for the peak hour of a typical weekday, and do the 5 year projected traffic volumes meet one or more of Warrants 1, 2, and 3 during an average weekday?

Check applicable characteristics of each route:

Major Street	Minor Street	
☐	☐	It is part of street or highway system that serves as the principal roadway network for through traffic flow.
☐	☐	It includes rural or suburban highways outside, entering, or traversing a city.
☐	☐	It appears as a major route on an official plan such as a major street plan in an urban area traffic and transportation study.

Remarks:

Warrant 2. Four Hour Volumes (70% Factor)

☐ Yes ☒ No	Meets each of 4 Highest Hours (Warrant 2 — see Figure 1).

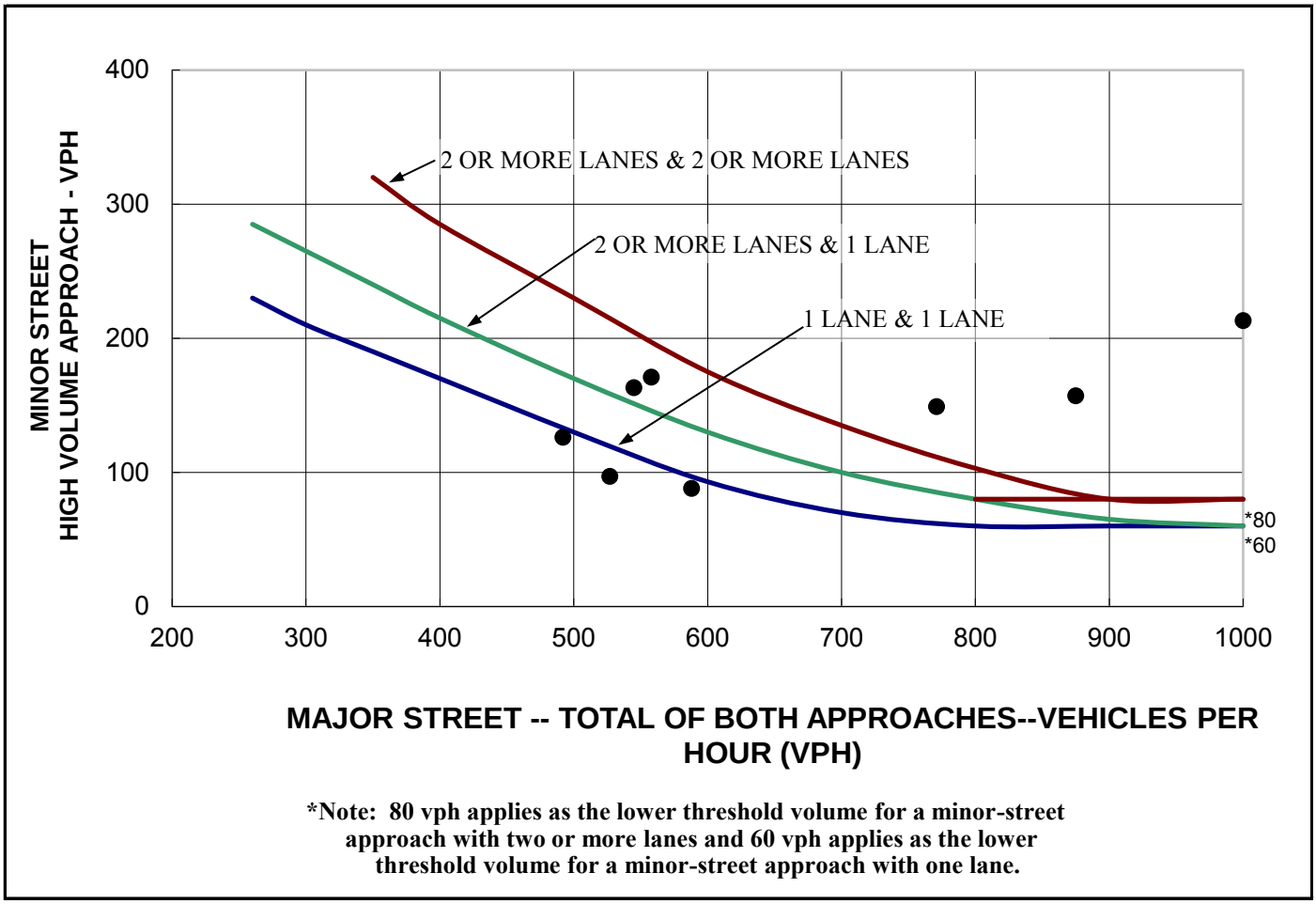
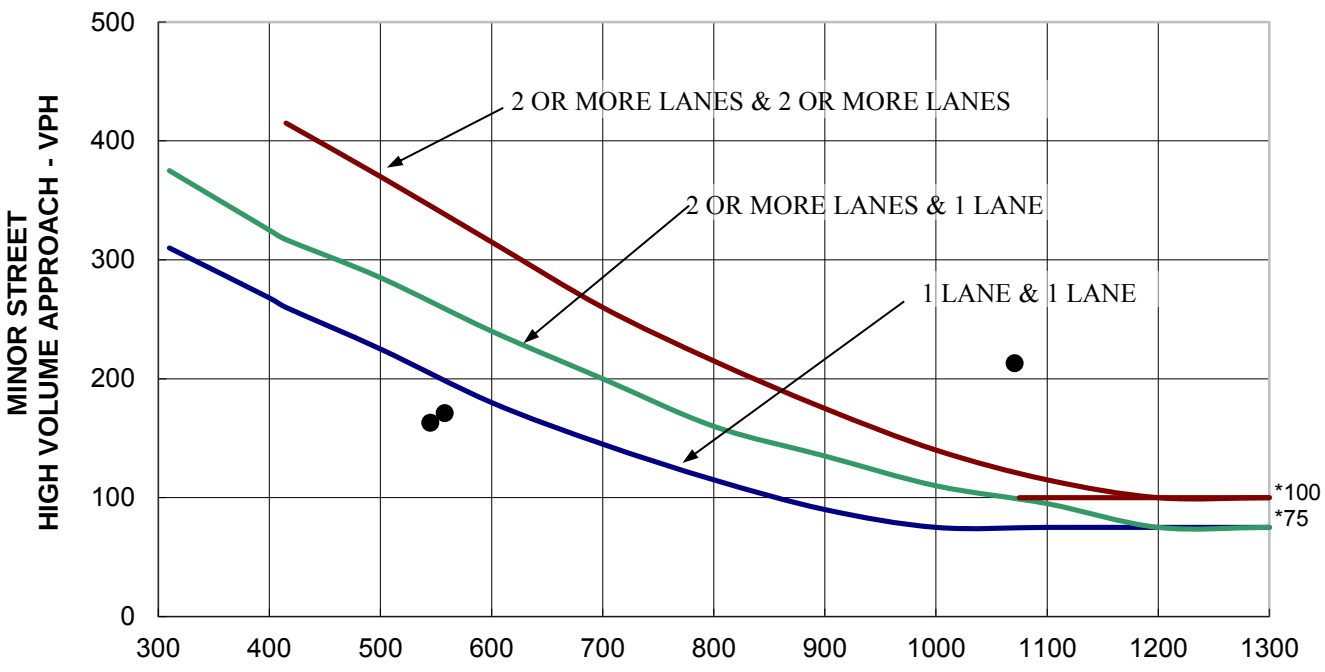


Figure 1. Four-hour volume warrant (community less than 10,000 population or above 40 MPH on major street). (Warrant 2.)

Warrant 3. Peak Hour (70% Factor)

☐ Yes ☐ No	Are all of the following conditions true for any four consecutive 15 minute periods? 1. The total stopped time delay experienced by the traffic on one minor street approach (one direction only) controlled by a stop sign equals or exceeds 4 vehicle-hours for a one-lane approach and 5 vehicle-hours for a two-lane approach, *and* 2. The volume of the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes, *and* 3. The total entering volume serviced during the hour equals or exceeds 650 vph for intersections with three approaches or 800 vph for intersections with four (or more) approaches.
	– or –
☑ Yes ☐ No	Meets one High Hour (Warrant 3 — see Figure 2).



*Note: 100 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold volume for a minor-street approach with one lane.

Figure 2. Peak hour volume warrant (community less than 10,000 population or above 40 MPH on major street). (Warrant 3.)

Warrant 4. Four Hour Pedestrian Volumes (70% Factor)

☐ Yes ☑ No	Meets each of 4 Highest Hours (Warrant4 — see Figure 3).

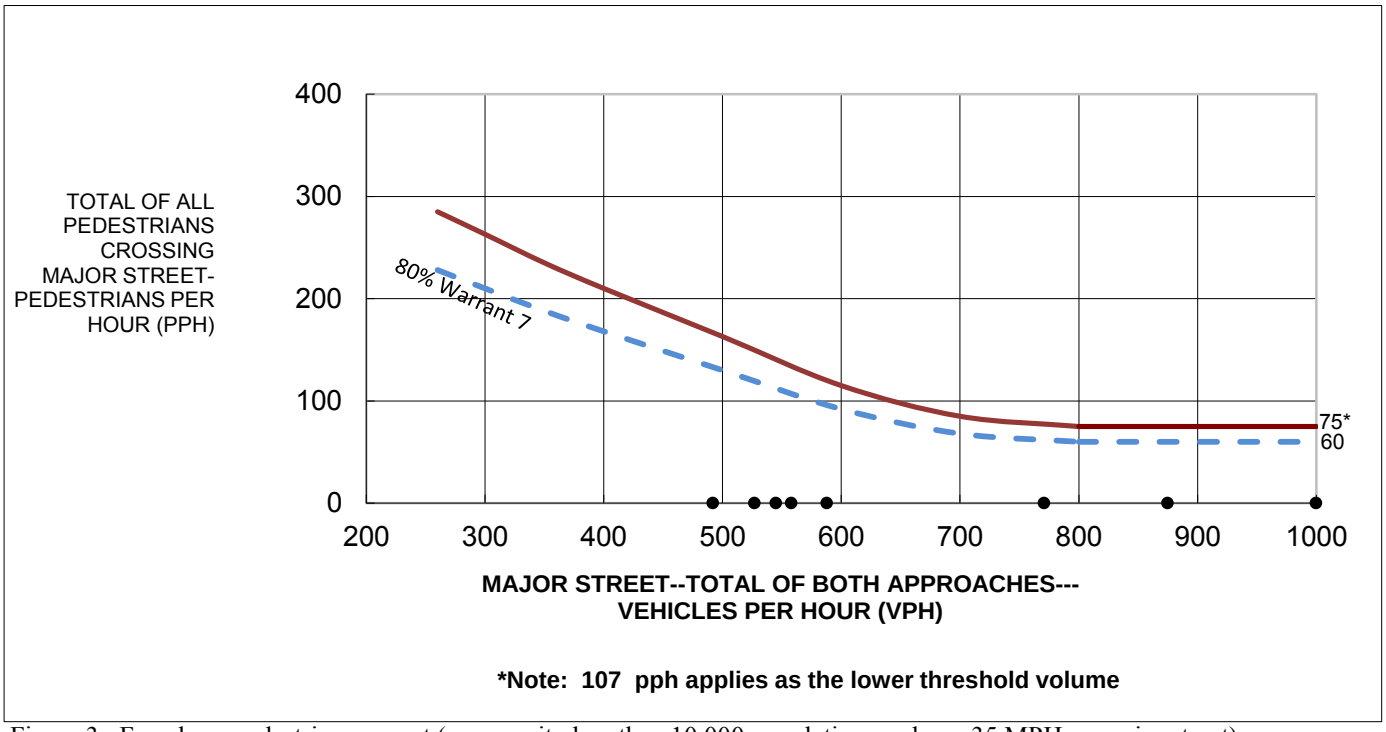


Figure 3. Four-hour pedestrian warrant (community less than 10,000 population or above 35 MPH on major street). (Warrant 4.)

Warrant 4. Peak Hour Pedestrian Volumes (70% Factor)

☐ Yes ☑ No	Meets Peak Hour Pedestrian (Warrant4 — see Figure 4).

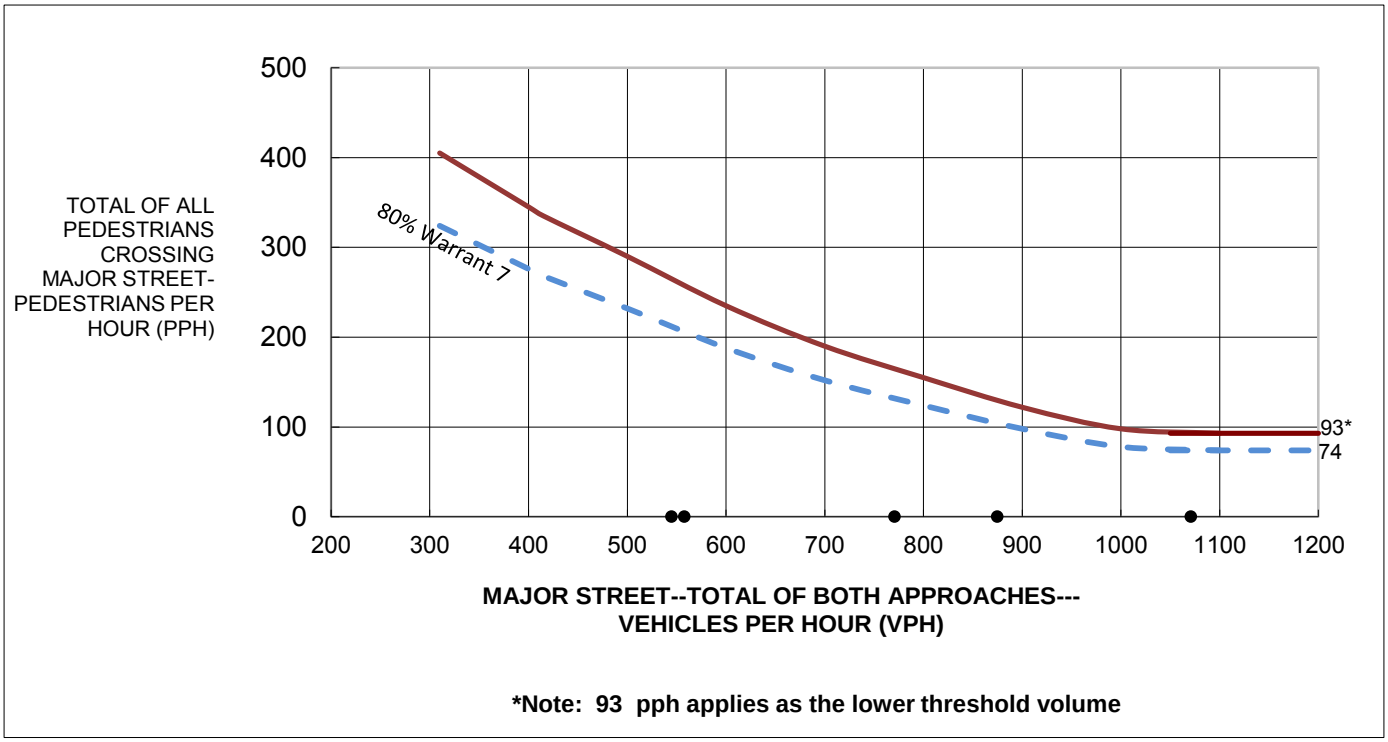


Figure 4. Peak hour pedestrian warrant (community less than 10,000 population or above 35 MPH on major street). (Warrant 4.)

Warrant 9. Intersection Near a Grade Crossing (One Approach Lane at the Track Crossing)

☐ Yes ☑ No	Meets one High Hour (Warrant 9 — see Figure 5).

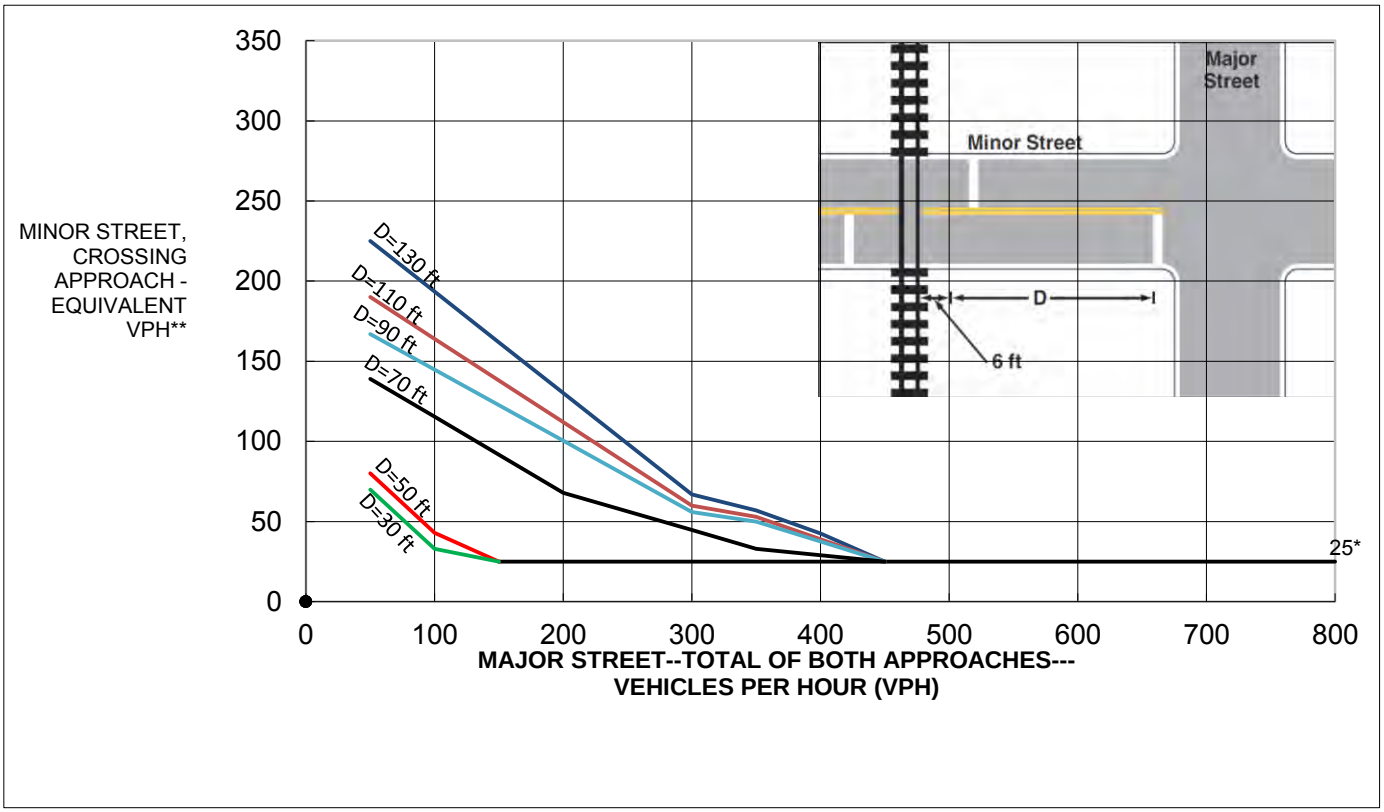


Figure 5. Railroad Grade Crossing (One Approach Lane at the Track Crossing). (Warrant 9.)

*25 vph applies as the lower threshold volume
** VPH after applying the adjustment factors in Tables 4C-2, 4C-3, and/or 4C-4, if appropriate

Traffic Survey — Count Analysis

Form Revised 2/27/2012

2011 TMUTCD Warrants

County: Williamson District: Austin

City: Leander Population: N/A Survey Date: 9/15/15

		Name	Control	Section	85% Speed
Major	183A NBFR				60 MPH
Minor	San Gabriel				

Eight Highest Hours: Include the same 8 hours for the Major and Minor St. volumes.

Time	Major St. - Both App.		Minor St. - Hi. Vol. App.	
Ends	Veh. Total	Ped. Total	Veh. Total	Ped. Total
8:00 PM	398		41	
8:00 AM	230		41	
7:00 PM	576		37	
12 NOON	284		36	
1:00 PM	292		33	
11:00 AM	254		31	
6:00 PM	736		30	
5:00 PM	630		30	

Comments:
The signal warrant is for the intersection of 183A Northbound Frontage Road and San Gabriel Parkway.

Warrant 1. Eight Hour Vehicular Volume

☐ Yes ☑ No Meets 70%[c] (and major-street speed exceeds 40 mph or population less than 10,000) *or* 100%[a] (regardless of speed) of Condition A.

– or –

☐ Yes ☑ No Meets 70%[c] (and major-street speed exceeds 40 mph or population less than 10,000) *or* 100%[a] (regardless of speed) of Condition B.

– or –

☐ Yes ☑ No Meets 80%[b] of Conditions A and B.

– or –

☐ Yes ☑ No Meets 56%[d] of Conditions A and B (and major-street speed exceeds 40 mph or population less than 10,000).

Condition A - Minimum Vehicle Volume

Number of Lanes		Vehicles per hour on Major St (Total of Both Approaches)					Vehicles per hour on higher-volume Minor St approach (One Direction Only)				
Major	Minor	Required				Existing	Required				Existing
Street	Street	100%[a]	80%[b]	70%[c]	56%[d]	38.3%	100%[a]	80%[b]	70%[c]	56%[d]	15.0%
1	1	500	400	350	280		150	120	105	84	
2 or more	1	600	480	420	336		150	120	105	84	
2 or more	2 or more	600	480	420	336	230	200	160	140	112	30
1	2 or more	500	400	350	280		200	160	140	112	

Condition B - Interruption of Continuous Traffic

Number of Lanes		Vehicles per hour on Major St (Total of Both Approaches)					Vehicles per hour on higher-volume Minor St approach (One Direction Only)				
Major	Minor	Required				Existing	Required				Existing
Street	Street	100%[a]	80%[b]	70%[c]	56%[d]	25.6%	100%[a]	80%[b]	70%[c]	56%[d]	30.0%
1	1	750	600	525	420		75	60	53	42	
2 or more	1	900	720	630	504		75	60	53	42	
2 or more	2 or more	900	720	630	504	230	100	80	70	56	30
1	2 or more	750	600	525	420		100	80	70	56	

[a]Basic minimum hourly volume.

[b]Used for combination of Conditions A and B after adequate trial of other remedial measures.

[c]May be used when the major-street speed exceeds 40 mph or in a community with a population of less than 10,000.

[d]May be used for combination of Conditions A and B after adequat trial of other remedial measures when major street exceeds 40 mph or in an isolated community with a population of less than 10,000.

Warrant 2. Four Hour Volumes (70% Factor)

☐ Yes ☑ No	Meets each of 4 Highest Hours (Warrant 2 — see Figure 1).

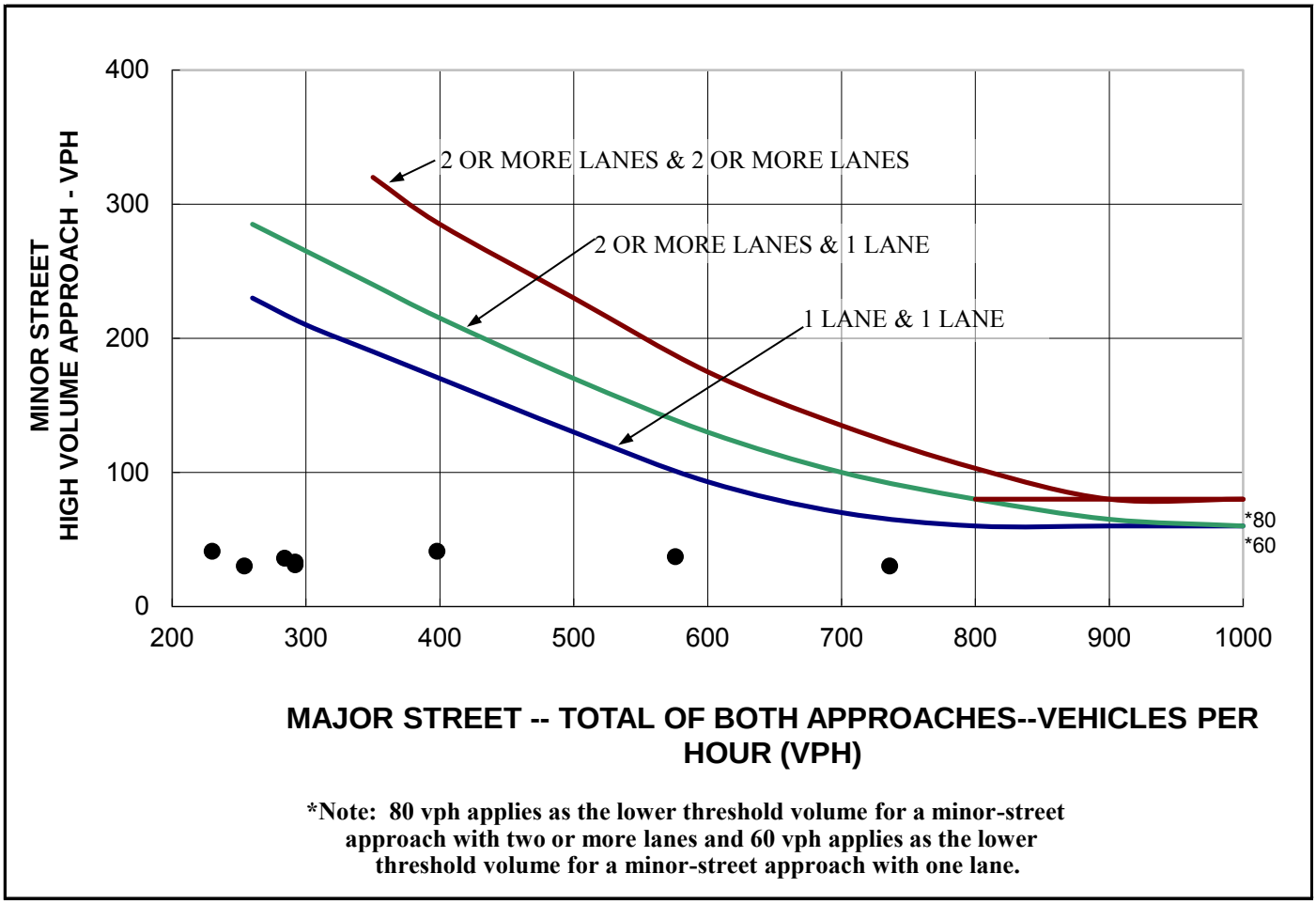
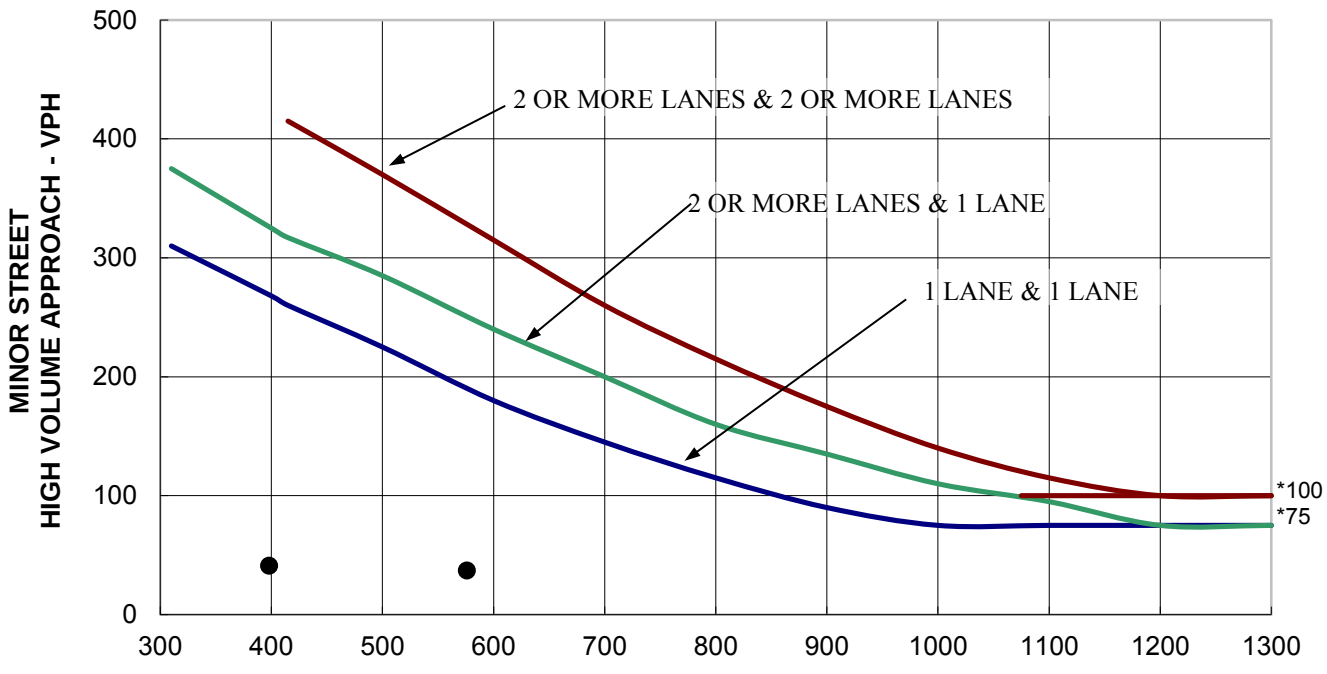


Figure 1. Four-hour volume warrant (community less than 10,000 population or above 40 MPH on major street). (Warrant 2.)

Warrant 3. Peak Hour (70% Factor)

☐ Yes ☑ No	Are all of the following conditions true for any four consecutive 15 minute periods? 1. The total stopped time delay experienced by the traffic on one minor street approach (one direction only) controlled by a stop sign equals or exceeds 4 vehicle-hours for a one-lane approach and 5 vehicle-hours for a two-lane approach, *and* 2. The volume of the same minor street approach (one direction only) equals or exceeds 100 vph for one moving lane of traffic or 150 vph for two moving lanes, *and* 3. The total entering volume serviced during the hour equals or exceeds 650 vph for intersections with three approaches or 800 vph for intersections with four (or more) approaches.
	– or –
☐ Yes ☑ No	Meets one High Hour (Warrant 3 — see Figure 2).



*Note: 100 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 75 vph applies as the lower threshold volume for a minor-street approach with one lane.

Figure 2. Peak hour volume warrant (community less than 10,000 population or above 40 MPH on major street). (Warrant 3.)

Warrant 4. Four Hour Pedestrian Volumes (70% Factor)

☐ Yes ☑ No	Meets each of 4 Highest Hours (Warrant4 — see Figure 3).

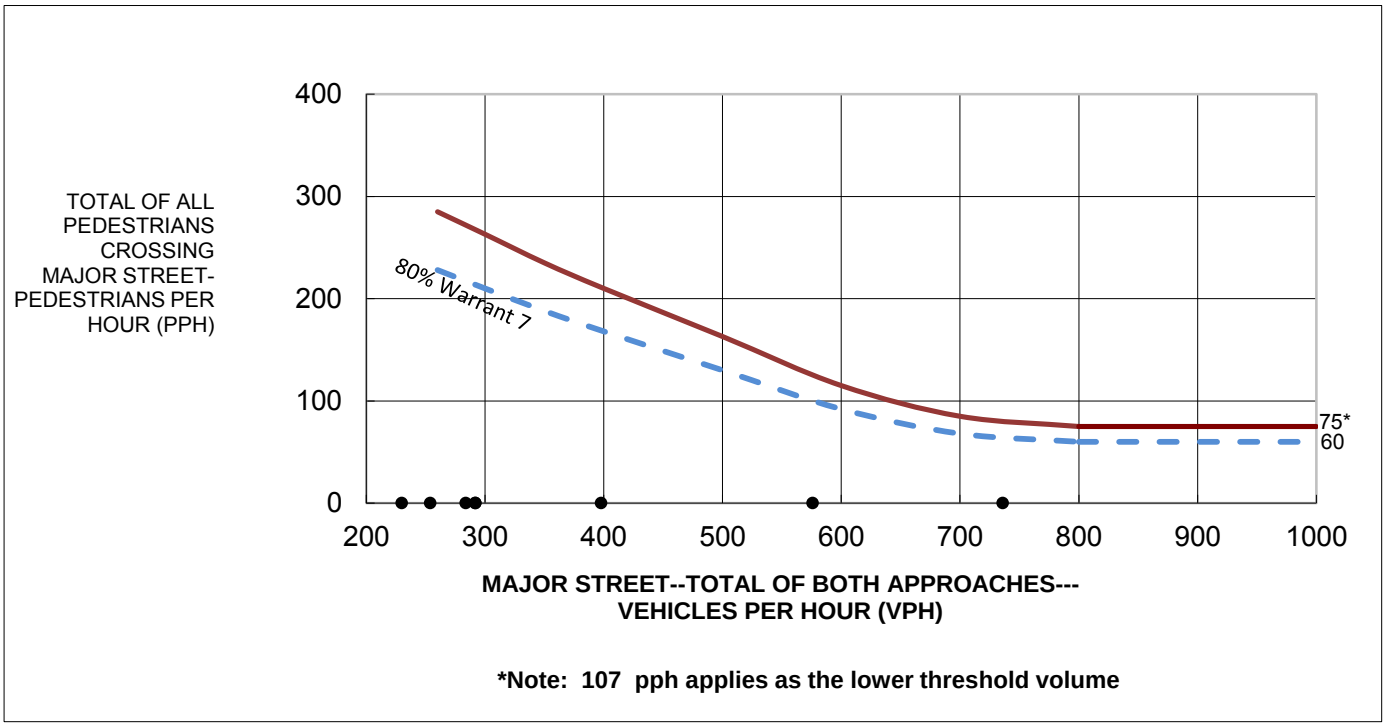


Figure 3. Four-hour pedestrian warrant (community less than 10,000 population or above 35 MPH on major street). (Warrant 4.)

Warrant 4. Peak Hour Pedestrian Volumes (70% Factor)

☐ Yes ☑ No	Meets Peak Hour Pedestrian (Warrant4 — see Figure 4).

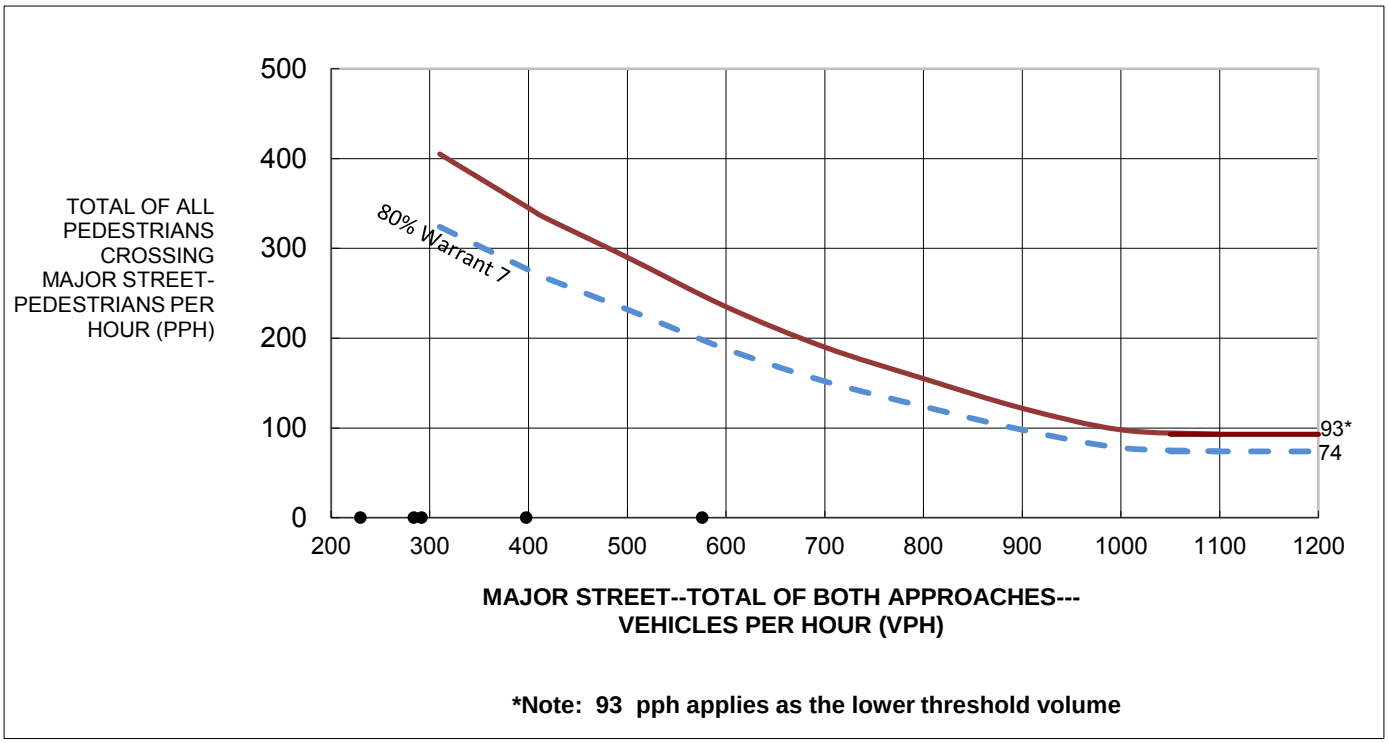


Figure 4. Peak hour pedestrian warrant (community less than 10,000 population or above 35 MPH on major street). (Warrant 4.)

Warrant 5. School Crossing

☐ Yes	☑	No	Is the number of adequate gaps in traffic stream during the period when the children are using the crossing less than the number of minutes in the same period?
N/A			***– and –***
☐ Yes	☑	No	Is there a minimum of 20 students during the highest crossing hour?
			– and –
☑ Yes	☐	No	Is the nearest signal located more than 300 feet away? (This warrant may be applied, if the proposed signal is less than 300 feet and does not restrict the progressive movement of traffic.)

Warrant 6. Coordinated Signal System

☐ Yes	☑	No	On a one-way street or a street with traffic predominantly in one direction, are the adjacent signals far enough apart that the necessary degree of vehicle platooning does not occur?
N/A			***– or –***
☐ Yes	☑	No	On a two-way street, are the adjacent signals far enough appart that the necessary degree of vehicle platooning does not occur and would the proposed and adjacent traffic control signal provide a progressive operation?

Warrant 7. Crash Experience

☐ Yes	☑	No	Is one of the following conditions met?: ♦ 80% of Condition A or Condition B in Warrant 1 ♦ 56% of Condition A or B in Warrant 1 (major-street speed exceeding 40 mph or population less than 10,000) ♦ 80 % or more of Warrant 4 met? ***– and –***
☑ Yes	☐	No	Have there been 5 or more reportable crashes susceptible to correction by a traffic signal within a 12 month period?

Warrant 8. Roadway Network

☐ Yes	☑	No	Is the total existing, or immediately projected, entering volume on all approaches greater than 1000 vehicles for each of any 5 hours of a Saturday and/or Sunday.
			– or –
☐ Yes	☑	No	Is the total existing, or immediately projected, entering volume greater than 1000 vehicles for the peak hour of a typical weekday, and do the 5 year projected traffic volumes meet one or more of Warrants 1, 2, and 3 during an average weekday?

Check applicable characteristics of each route:

Major Street	Minor Street	
☐	☐	It is part of street or highway system that serves as the principal roadway network for through traffic flow.
☐	☐	It includes rural or suburban highways outside, entering, or traversing a city.
☐	☐	It appears as a major route on an official plan such as a major street plan in an urban area traffic and transportation study.

Remarks:

Warrant 9. Intersection Near a Grade Crossing (One Approach Lane at the Track Crossing)

☐ Yes ☑ No	Meets one High Hour (Warrant 9 — see Figure 5).

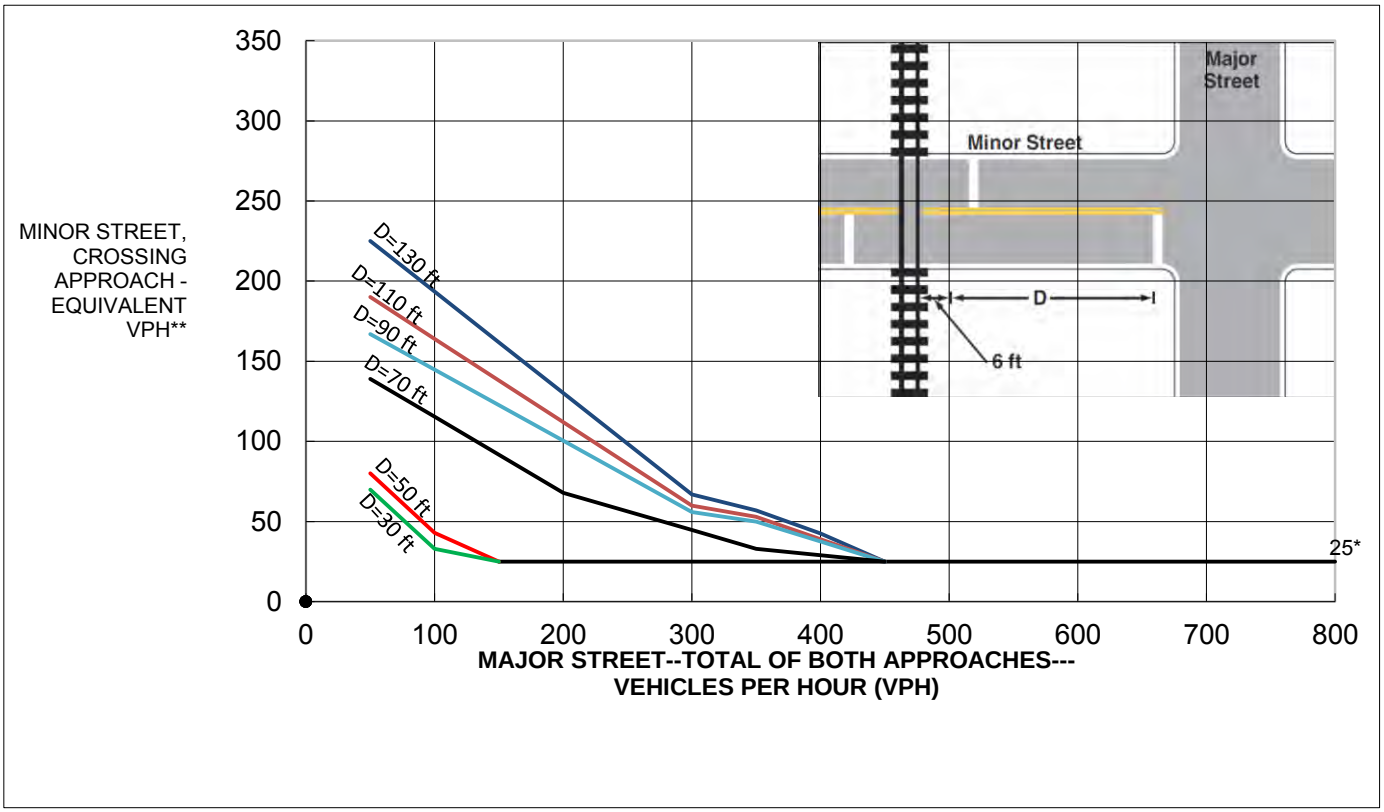


Figure 5. Railroad Grade Crossing (One Approach Lane at the Track Crossing). (Warrant 9.)

*25 vph applies as the lower threshold volume
** VPH after applying the adjustment factors in Tables 4C-2, 4C-3, and/or 4C-4, if appropriate

Leander Fire Department

October 13, 2015

Mr. Wesley Burford
Director of Engineering
Central Texas Regional Mobility Authority
3300 N. I-35, Suite 300
Austin, Texas 78705

Dear Mr. Burford,

On behalf of the Leander Fire Department, we would like to express our support for the installation of a traffic signal at the intersection of 183A and San Gabriel Parkway.

The installation of a signal will help provide additional safety measures at this increasingly utilized intersection.

Thank you for your time and consideration.

Sincerely,

Bill Gardner
Fire Chief/Emergency Mgmt Coord.
Leander Fire Department

City of Leander, Texas

Police Department

705 Leander Drive - Leander, TX 78641 (512) 528-2800

October 12, 2015

Mr. Wesley Burford
Director of Engineering
Central Texas Regional Mobility Authority
3300 N. I-35, Suite 300
Austin, Texas 78705

Dear Mr. Burford,

On behalf of the Leander Police Department, we would like to express our support for the installation of a traffic signal at the intersection of 183A and San Gabriel Parkway.

The installation of a signal will help provide additional safety measures at this increasingly utilized intersection.

Thank you for your time and consideration.

Sincerely,

Greg Minton
Chief of Police

WILLIAMSON COUNTY
1848

October 7, 2015

Cynthia Long
COMMISSIONER, PRECINCT 2

Mr. Wesley Burford
Director of Engineering
Central Texas Regional Mobility Authority
3300 N. I-35, Suite 300
Austin, Texas 78705

Dear Mr. Burford,

On behalf of Williamson County, Precinct 2, I would like to express my support for the installation of a traffic signal at the intersection of 183A and San Gabriel Parkway. As I am sure you are aware, there have been several accidents at this intersection, including the most recent fatality. Constituents that I represent are concerned about the safety of their families when traveling and commuting to work, school and other activities.

It is my understanding that a traffic signal warrant was performed at this intersection and that a signal is now warranted. Traffic signals do not always prevent accidents, but they often lessen their severity. I believe that installation of a signal at this increasingly busy intersection will provide additional safety measures and will hopefully reduce future loss of life.

Thank you for your time and consideration in this important matter.

Sincerely,

Cynthia P. Long
County Commissioner – Precinct 2

WILLIAMSON COUNTY
512.260-4280 Fax 512.260-4284
clong@wilco.org www.wilco.org
350 Discovery Blvd., Suite 201
Cedar Park, TX 78613

GENERAL MEETING OF THE BOARD OF DIRECTORS
OF THE
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY

RESOLUTION NO. 15-___

AUTHORIZE INSTALLATION OF TRAFFIC SIGNALS AT THE INTERSECTION OF SAN GABRIEL PARKWAY WITH THE NORTHBOUND AND SOUTHBOUND 183A FRONTAGE ROADS.

WHEREAS, the Mobility Authority has recently completed an engineering and traffic study to determine if traffic signals at the intersections are now warranted at the intersection of the 183A frontage roads with San Gabriel Parkway in accordance with applicable standards adopted by the Texas Department of Transportation; and

WHEREAS, based on the results of the engineering and traffic study and the resources now available to the Mobility Authority, the Executive Director recommends the installation of traffic signals at the intersections of the 183A frontage roads and San Gabriel Parkway.

NOW THEREFORE BE IT RESOLVED that the Board hereby approves the installation of traffic signals at the intersection of 183A frontage roads and San Gabriel Parkway, and authorizes and directs the Executive Director to complete the installation of those traffic signals within a reasonable time.

Adopted by the Board of Directors of the Central Texas Regional Mobility Authority on the 28th day of October, 2015.

Submitted and reviewed by:

_____
Andrew Martin, General Counsel

Approved:

_____
Ray A. Wilkerson
Chairman, Board of Directors