

City Of McAllen

Traffic Operations

16th Street and Wisteria Avenue 4-Way Stop Warrant

Study Name : **Broadway & Fresno Signal Warrant 2012**

Study Date : **06/17/13**

Page No. : **1**

Signal Warrants - Summary

Major Street Approaches

Northbound: Broadway

Number of Lanes: **2**

Approach Speed: **30**

Total Approach Volume: **0**

Minor Street Approaches

Eastbound: Fresno

Number of Lanes: **1**

Total Approach Volume: **0**

Warrant Summary (Urban values apply.)

Warrant 1 - Eight Hour Vehicular Volumes	Not Satisfied
Warrant 1A - Minimum Vehicular Volume Not Satisfied	
Required volumes reached for 0 hours, 8 are needed	
Warrant 1B - Interruption of Continuous Traffic Not Satisfied	
Required volumes reached for 0 hours, 8 are needed	
Warrant 1 A&B - Combination of Warrants Not Satisfied	
Required volumes reached for 0 hours, 8 are needed	
Warrant 2 - Four Hour Volumes	Not Satisfied
Number of hours (0) volumes exceed minimum < minimum required (4).	
Warrant 3 - Peak Hour	Not Satisfied
Warrant 3A - Peak Hour Delay Not Satisfied	
Total approach volumes and delays on minor street do not exceed minimums for any hour.	
Warrant 3B - Peak Hour Volumes Not Satisfied	
Volumes do not exceed minimums for any hour.	
Warrant 4 - Pedestrian Volumes	Satisfied
Required 4 Hr pedestrian volume reached for 4 hour(s) and the single hour volume for 0 hour(s)	
Warrant 5 - School Crossing	Not Satisfied
Number of gaps > .0 seconds (0) exceeds the number of minutes in the crossing period (0).	
Warrant 6 - Coordinated Signal System	Not Satisfied
No adjacent coordinated signals are present	
Warrant 7 - Crash Experience	Not Satisfied
Number of accidents (-1) is less than minimum (5). Volume minimums are met.	
Warrant 8 - Roadway Network	Not Satisfied
Major Route conditions not met. No volume requirement met.	

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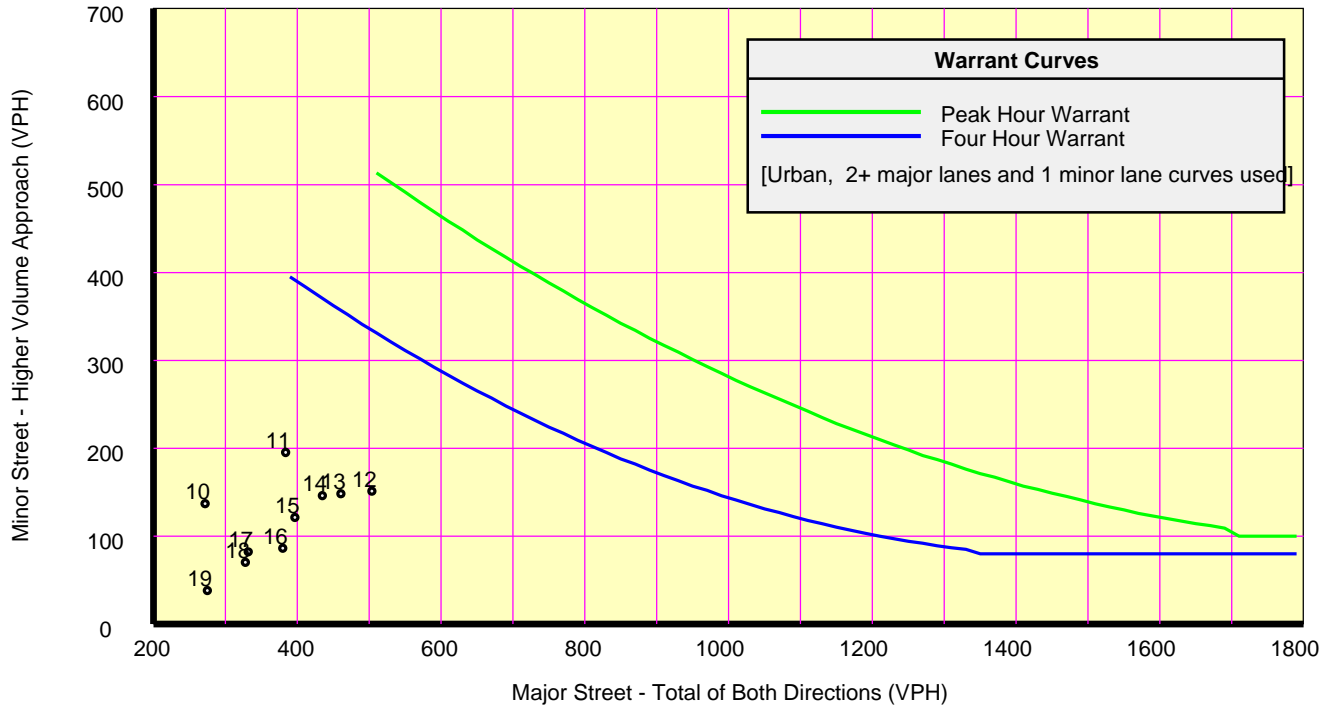
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Page No. : **2**

Signal Warrants - Summary



Analysis of 8-Hour Volume Warrants:

Hour	Major Total	Higher Minor Vol	Dir	War-1A			War-1B			War-1A&B		
				Major Crit	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
00:00	14	7	WB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
01:00	4	1	WB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
02:00	4	0	EB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
03:00	2	0	EB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
04:00	4	1	WB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
05:00	4	0	EB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
06:00	3	7	WB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
07:00	19	31	WB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
08:00	113	88	WB	600-No	150-No	---	900-No	75-Yes	Minor	720-No	120-No	---
09:00	199	112	WB	600-No	150-No	---	900-No	75-Yes	Minor	720-No	120-No	---
10:00	272	137	WB	600-No	150-No	---	900-No	75-Yes	Minor	720-No	120-Yes	Minor
11:00	384	195	WB	600-No	150-Yes	Minor	900-No	75-Yes	Minor	720-No	120-Yes	Minor
12:00	504	151	WB	600-No	150-Yes	Minor	900-No	75-Yes	Minor	720-No	120-Yes	Minor
13:00	461	148	WB	600-No	150-No	---	900-No	75-Yes	Minor	720-No	120-Yes	Minor
14:00	435	146	WB	600-No	150-No	---	900-No	75-Yes	Minor	720-No	120-Yes	Minor
15:00	397	121	WB	600-No	150-No	---	900-No	75-Yes	Minor	720-No	120-Yes	Minor
16:00	380	86	WB	600-No	150-No	---	900-No	75-Yes	Minor	720-No	120-No	---
17:00	332	82	WB	600-No	150-No	---	900-No	75-Yes	Minor	720-No	120-No	---
18:00	328	70	WB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
19:00	275	38	WB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
20:00	91	29	WB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
21:00	58	14	WB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
22:00	26	5	WB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---
23:00	13	4	WB	600-No	150-No	---	900-No	75-No	---	720-No	120-No	---