

City of McAllen

Traffic Operations Department

Study Name : 29th & Ivy 2013
Study Date : 10/14/13

Multi-Way Stop Warrant Report

Major Street Approaches

Northbound: N. 29th Street
Total Approach Volume: 6,152
Approach Speed: 34

Southbound: N. 29th Street
Total Approach Volume: 8,058
Approach Speed: 34

Minor Street Approaches

Eastbound: Ivy Avenue
Total Approach Volume: 959

Westbound: Ivy Avenue
Total Approach Volume: 658

Warrant Summary

- Criteria A - Interim Measure** **Not Evaluated**
If traffic signals are justified, stop signs can be installed as an interim measure.
- Criteria B - Crash Experience** **Not Satisfied**
Number of crashes (4) is less than the minimum required (5).
- Criteria C - Minimum Volumes and Delays** **Not Satisfied**
Delay data not evaluated
Required volumes reached for 0 hours, 8 are needed
- Criteria D - 80% of Volumes, Delays, and Crashes** **Not Satisfied**
Delay data not evaluated
Number of crashes (4) meets the minimum required (4).
Required volumes reached for 0 hours, 8 are needed

Analysis of 8-Hour Volume Warrants:

Time	Major	Minor	Crit C			Crit D		
	Total	Total	Major	Minor Crit	Meets?	Major Crit	Minor Crit	Meets?
00:00 - 01:00	42	12	300-No	200-No	No	240-No	160-No	No
01:00 - 02:00	46	5	300-No	200-No	No	240-No	160-No	No
02:00 - 03:00	18	0	300-No	200-No	No	240-No	160-No	No
03:00 - 04:00	9	3	300-No	200-No	No	240-No	160-No	No
04:00 - 05:00	9	4	300-No	200-No	No	240-No	160-No	No
05:00 - 06:00	39	5	300-No	200-No	No	240-No	160-No	No
06:00 - 07:00	250	40	300-No	200-No	No	240-Yes	160-No	Major
07:00 - 08:00	820	153	300-Yes	200-No	Major	240-Yes	160-No	Major
08:00 - 09:00	940	117	300-Yes	200-No	Major	240-Yes	160-No	Major
09:00 - 10:00	942	96	300-Yes	200-No	Major	240-Yes	160-No	Major
10:00 - 11:00	712	70	300-Yes	200-No	Major	240-Yes	160-No	Major
11:00 - 12:00	905	86	300-Yes	200-No	Major	240-Yes	160-No	Major
12:00 - 13:00	1,029	102	300-Yes	200-No	Major	240-Yes	160-No	Major
13:00 - 14:00	1,005	101	300-Yes	200-No	Major	240-Yes	160-No	Major
14:00 - 15:00	981	84	300-Yes	200-No	Major	240-Yes	160-No	Major
15:00 - 16:00	1,083	109	300-Yes	200-No	Major	240-Yes	160-No	Major
16:00 - 17:00	977	119	300-Yes	200-No	Major	240-Yes	160-No	Major
17:00 - 18:00	1,280	120	300-Yes	200-No	Major	240-Yes	160-No	Major
18:00 - 19:00	957	95	300-Yes	200-No	Major	240-Yes	160-No	Major
19:00 - 20:00	848	91	300-Yes	200-No	Major	240-Yes	160-No	Major
20:00 - 21:00	615	74	300-Yes	200-No	Major	240-Yes	160-No	Major
21:00 - 22:00	405	68	300-Yes	200-No	Major	240-Yes	160-No	Major
22:00 - 23:00	213	34	300-No	200-No	No	240-No	160-No	No
23:00 - 00:00	85	29	300-No	200-No	No	240-No	160-No	No