

# Traffic Operations

Main St and Cedar Ave

Signal Warrant 2011

Study Name : Main and Cedar Sept 2013 Signal Warrant

Study Date : 10/14/13

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## Signal Warrants - Summary

### Major Street Approaches

#### Northbound: Main St

Number of Lanes: 1  
Approach Speed: 0  
Total Approach Volume: 1,808

#### Southbound: Main St

Number of Lanes: 1  
Approach Speed: 0  
Total Approach Volume: 1,634

### Minor Street Approaches

#### Eastbound: Cedar Ave

Number of Lanes: 1  
  
Total Approach Volume: 284

#### Westbound: Cedar Ave

Number of Lanes: 1  
  
Total Approach Volume: 483

### Warrant Summary (Urban values apply.)

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

# Traffic Operations

## Main St and Cedar Ave

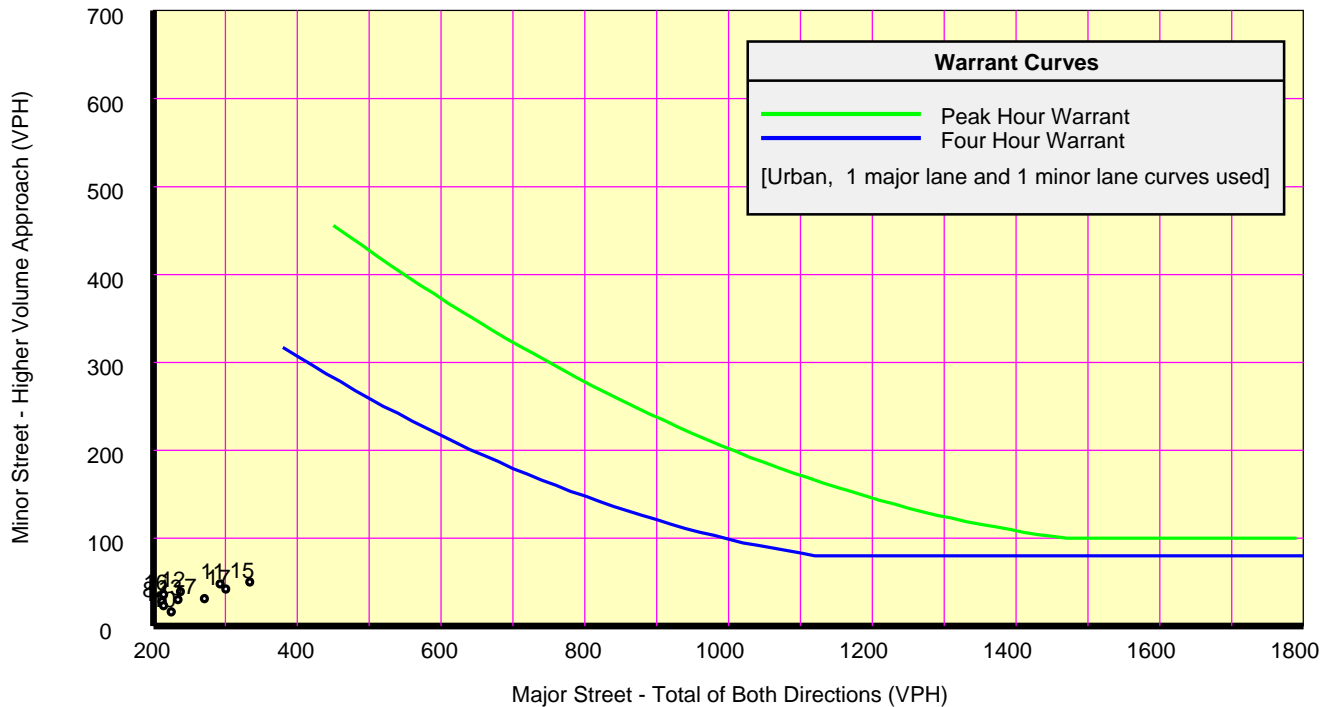
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### Signal Warrants - Summary



#### Analysis of 8-Hour Volume Warrants:

Hour Begin	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	21	2	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
01:00	10	2	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
02:00	6	1	EB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
03:00	3	0	EB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
04:00	1	1	EB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
05:00	10	0	EB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
06:00	34	3	EB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
07:00	271	31	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
08:00	212	28	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
09:00	189	17	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
10:00	225	16	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
11:00	293	48	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
12:00	238	39	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
13:00	234	30	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
14:00	214	23	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
15:00	334	50	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
16:00	214	36	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
17:00	301	42	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
18:00	183	35	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
19:00	156	20	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
20:00	108	27	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
21:00	97	18	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
22:00	49	10	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---
23:00	39	6	WB	500-No	150-No	---	750-No	75-No	---	600-No	120-No	---