

# Ohio Department of Transportation

District 9  
Signal Warrant Analysis

Study Date : 01/03/12  
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## Signal Warrants - Summary

### Major Street Approaches

**Northbound: SR 159**

Number of Lanes: 2  
85% Speed < 40 MPH.  
Total Approach Volume: 8,489

**Southbound: SR 159**

Number of Lanes: 2  
85% Speed < 40 MPH.  
Total Approach Volume: 9,738

### Minor Street Approaches

**Eastbound: TSC/Tire Discounters**

Number of Lanes: 2

Total Approach Volume: 327

**Westbound: Aldi's / Stonecreek Dental**

Number of Lanes: 2

Total Approach Volume: 273

### Warrant Summary (Urban values apply.)

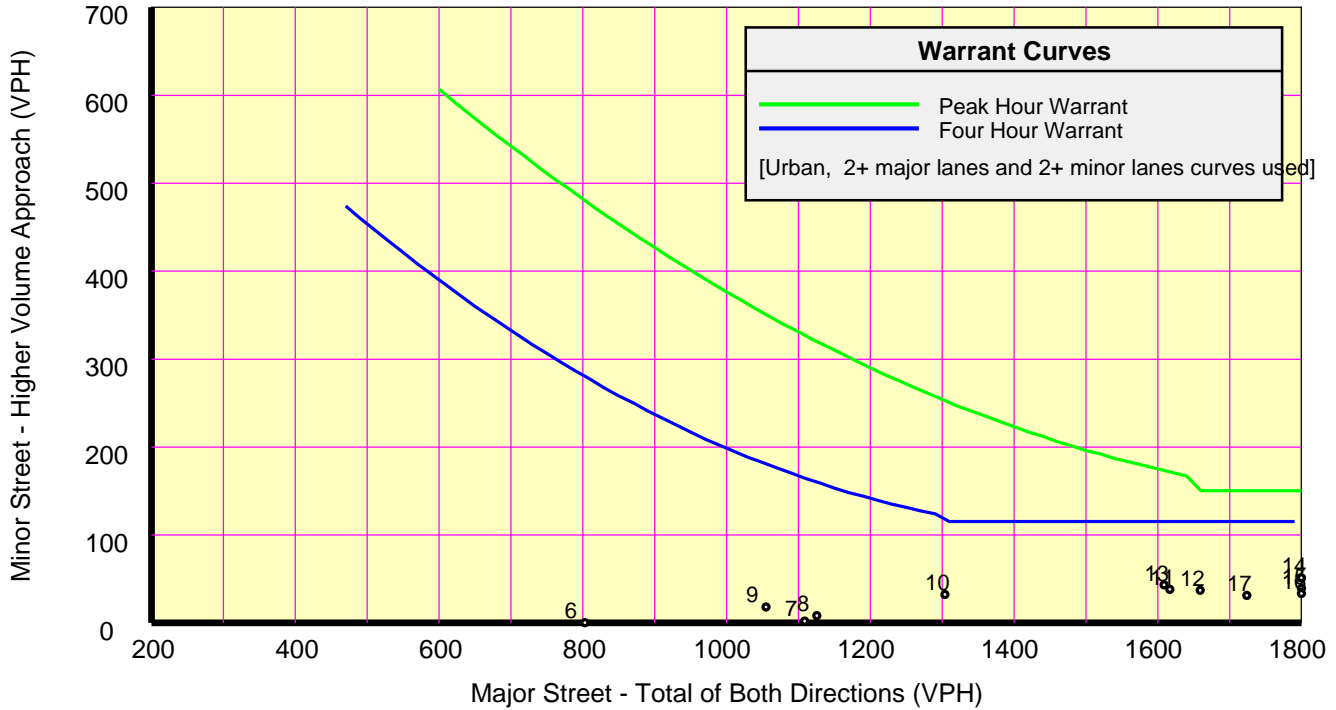
<b>Warrant 1 - Eight Hour Vehicular Volumes</b> .....	<b>Not Satisfied</b>
<b>Warrant 1A - Minimum Vehicular Volume</b> .....	<b>Not Satisfied</b>
Required volumes reached for 0 hours, 8 are needed	
<b>Warrant 1B - Interruption of Continuous Traffic</b> .....	<b>Not Satisfied</b>
Required volumes reached 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>
Approach volumes on minor street don't exceed minimums for any hour. Delay data not evaluated.	
<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 Evaluated</b>
<b>Warrant 5 - School Crossing</b> .....	<b>Not Evaluated</b>
<b>Warrant 6 - Coordinated Signal System</b> .....	<b>Not Evaluated</b>
<b>Warrant 7 - Crash Experience</b> .....	<b>Not Satisfied</b>
Number of accidents (2) is less than minimum (5). Volume minimums are not met.	
<b>Warrant 8 - Roadway Network</b> .....	<b>Not Evaluated</b>
<b>Warrant 9 - Intersection Near a Grade Crossing</b> .....	<b>Not Evaluated</b>

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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	0	0	EB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
01:00	0	0	EB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
02:00	0	0	EB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
03:00	0	0	EB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
04:00	0	0	EB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
05:00	0	0	EB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
06:00	803	0	EB	600-Yes	200-No	Major	900-No	100-No	---	720-Yes	160-No	Major
07:00	1,109	2	EB	600-Yes	200-No	Major	900-Yes	100-No	Major	720-Yes	160-No	Major
08:00	1,126	8	EB	600-Yes	200-No	Major	900-Yes	100-No	Major	720-Yes	160-No	Major
09:00	1,055	18	EB	600-Yes	200-No	Major	900-Yes	100-No	Major	720-Yes	160-No	Major
10:00	1,304	32	EB	600-Yes	200-No	Major	900-Yes	100-No	Major	720-Yes	160-No	Major
11:00	1,617	38	EB	600-Yes	200-No	Major	900-Yes	100-No	Major	720-Yes	160-No	Major
12:00	1,659	37	WB	600-Yes	200-No	Major	900-Yes	100-No	Major	720-Yes	160-No	Major
13:00	1,609	43	EB	600-Yes	200-No	Major	900-Yes	100-No	Major	720-Yes	160-No	Major
14:00	1,938	51	EB	600-Yes	200-No	Major	900-Yes	100-No	Major	720-Yes	160-No	Major
15:00	2,302	39	EB	600-Yes	200-No	Major	900-Yes	100-No	Major	720-Yes	160-No	Major
16:00	1,981	33	EB	600-Yes	200-No	Major	900-Yes	100-No	Major	720-Yes	160-No	Major
17:00	1,724	31	WB	600-Yes	200-No	Major	900-Yes	100-No	Major	720-Yes	160-No	Major
18:00	0	0	EB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
19:00	0	0	EB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
20:00	0	0	EB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
21:00	0	0	EB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
22:00	0	0	EB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---
23:00	0	0	EB	600-No	200-No	---	900-No	100-No	---	720-No	160-No	---