



Ohio Department of Transportation District 9

SCI SR 139 & Rosemount Road

WARRANT ANALYSIS: R-Turn Red. Applied

Study Name : SCI 139 and Rosemount Rd Warrant Analysis R-Turn Red. Applied

Study Date : 11/10/16

GPS : 39.96, -81.01

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Signal Warrants - Summary

Major Street Approaches

Northbound: SR 139

Number of Lanes: 1
85% Speed < 40 MPH.
Total Approach Volume: **2,922**

Southbound: SR 139

Number of Lanes: 1
85% Speed < 40 MPH.
Total Approach Volume: **1,622**

Minor Street Approaches

Eastbound: Rosemount Road

Number of Lanes: 1

Total Approach Volume: **958**

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 1C - Combination of Warrants	Not Satisfied
Required 1A volumes reached for 2 hours, 8 are needed	
Required 1B 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
Approach volumes on minor street don't exceed minimums for any hour. Delay data not evaluated.	
Warrant 3B - Peak Hour Volumes	Not Satisfied
Volumes do not exceed minimums for any hour.	
Warrant 4 - Pedestrian Volumes	Not Evaluated
Warrant 5 - School Crossing	Not Evaluated
Warrant 6 - Coordinated Signal System	Not Evaluated
Warrant 7 - Crash Experience	Not Satisfied
Number of accidents (0) is less than minimum (5). Volume minimums are not met.	
Warrant 8 - Roadway Network	Not Evaluated
Warrant 9 - Intersection Near a Grade Crossing	Not Evaluated



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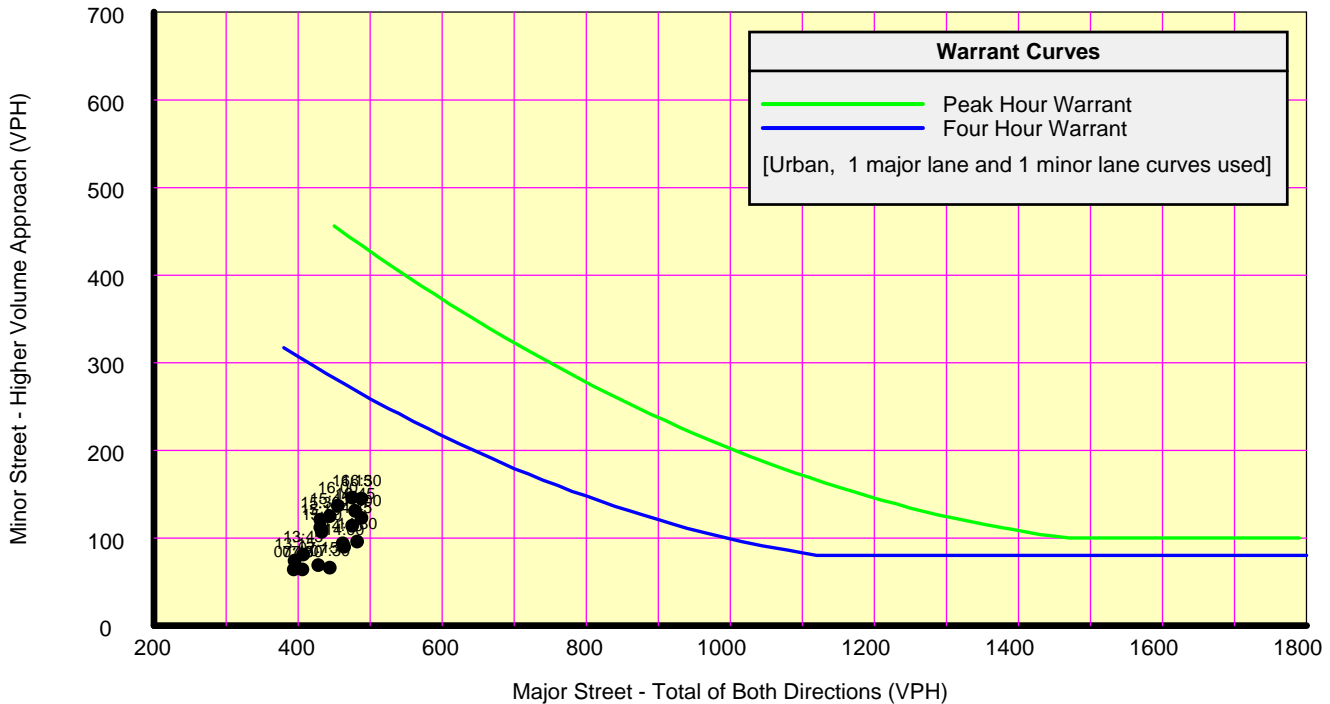
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Signal Warrants - Summary



Analysis of 8-Hour Volume Warrants:

War 1A-Minimum Volume

War 1B-Interruption of Traffic

War 1C-Combination of Warrants

Hour Begin	Major Total	Minor Vol Dir	Maj 500	Min 150	Hour Begin	Major Total	Minor Vol Dir	Maj 750	Min 75	Hour Begin	Major Total	Minor Vol Dir	1A Met	1B Met
17:00	488	123 EB	No	No	17:00	488	123 EB	No	Yes	16:30	488	145 EB	Yes	No
16:30	488	145 EB	No	No	16:30	488	145 EB	No	Yes	15:30	431	121 EB	Yes	No
14:30	482	96 EB	No	No	14:30	482	96 EB	No	Yes	17:00	488	123 EB	-	No
16:45	479	131 EB	No	No	16:45	479	131 EB	No	Yes	14:30	482	96 EB	No	No
16:15	475	146 EB	No	No	16:15	475	146 EB	No	Yes	16:45	479	131 EB	-	No
14:45	475	114 EB	No	No	14:45	475	114 EB	No	Yes	16:15	475	146 EB	-	No
14:00	464	90 EB	No	No	14:00	464	90 EB	No	Yes	14:45	475	114 EB	No	No
14:15	462	94 EB	No	No	14:15	462	94 EB	No	Yes	14:00	464	90 EB	No	No
16:00	455	137 EB	No	No	16:00	455	137 EB	No	Yes	14:15	462	94 EB	No	No
15:45	444	125 EB	No	No	15:45	444	125 EB	No	Yes	16:00	455	137 EB	-	No
07:30	444	66 EB	No	No	07:30	444	66 EB	No	No	15:45	444	125 EB	-	No
15:00	433	107 EB	No	No	15:00	433	107 EB	No	Yes	07:30	444	66 EB	No	No
15:30	431	121 EB	No	No	15:30	431	121 EB	No	Yes	15:00	433	107 EB	No	No
15:15	431	112 EB	No	No	15:15	431	112 EB	No	Yes	15:15	431	112 EB	No	No
07:15	428	69 EB	No	No	07:15	428	69 EB	No	No	15:15	431	112 EB	No	No
13:45	407	81 EB	No	No	13:45	407	81 EB	No	Yes	07:15	428	69 EB	No	No
07:00	406	64 EB	No	No	07:00	406	64 EB	No	No	13:45	407	81 EB	No	No
13:15	395	74 EB	No	No	13:15	395	74 EB	No	No	07:00	406	64 EB	No	No
07:45	394	64 EB	No	No	07:45	394	64 EB	No	No	13:15	395	74 EB	No	No
13:30	390	74 EB	No	No	13:30	390	74 EB	No	No	07:45	394	64 EB	No	No
13:00	380	74 EB	No	No	13:00	380	74 EB	No	No	13:30	390	74 EB	No	No
11:30	378	72 EB	No	No	11:30	378	72 EB	No	No	13:00	380	74 EB	No	No
12:45	377	73 EB	No	No	12:45	377	73 EB	No	No	11:30	378	72 EB	No	No
08:00	374	56 EB	No	No	08:00	374	56 EB	No	No	12:45	377	73 EB	No	No
										08:00	374	56 EB	No	No