



Ohio Department of Transportation District 9

SCI SR 139 & Rosemount Road

WARRANT ANALYSIS: R-Turn & 85% Red. Applied

Study Name : **SCI 139 and Rosemount Rd Warrant Analysis R-Turn & 85% Red Applied**

Study Date : **11/10/16**

GPS : **39.96, -81.01**

Page No. : **1**

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 (Rural values apply.)

Warrant 1 - Eight Hour Vehicular Volumes	Not Satisfied
Warrant 1A - Minimum Vehicular Volume	Not Satisfied
Required volumes reached for 3 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 4 hours, 8 are needed	
Required 1B volumes reached for 4 hours, 8 are needed	
Warrant 2 - Four Hour Volumes	Not Satisfied
Number of hours (1) 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



Ohio Department of Transportation District 9

SCI SR 139 & Rosemount Road

WARRANT ANALYSIS: R-Turn & 85% Red. Applied

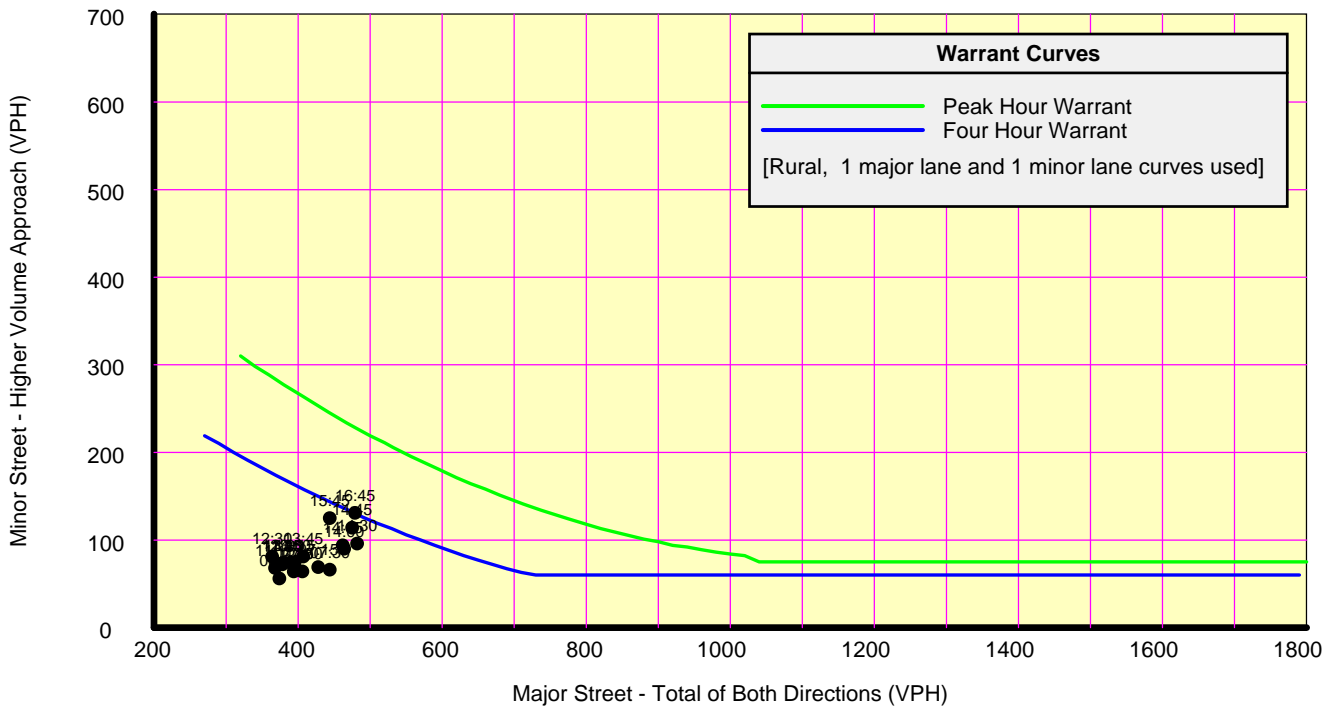
Study Name : SCI 139 and Rosemount Rd Warrant Analysis R-Turn & 85% Red Applied

Study Date : 11/10/16

GPS : 39.96, -81.01

Page No. : 2

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 350	Min 105	Hour Begin	Major Total	Minor Vol Dir	Maj 525	Min 53	Hour Begin	Major Total	Minor Vol Dir	1A Met	1B Met
16:45	479	131 EB	Yes	Yes	17:00	488	123 EB	No	Yes	17:00	488	123 EB	Yes	Yes
14:45	475	114 EB	Yes	Yes	16:30	488	145 EB	No	Yes	14:00	464	90 EB	Yes	Yes
15:45	444	125 EB	Yes	Yes	14:30	482	96 EB	No	Yes	16:00	455	137 EB	Yes	Yes
14:30	482	96 EB	Yes	No	16:45	479	131 EB	No	Yes	15:00	433	107 EB	Yes	Yes
14:00	464	90 EB	Yes	No	16:15	475	146 EB	No	Yes	07:15	428	69 EB	No	Yes
14:15	462	94 EB	Yes	No	14:45	475	114 EB	No	Yes	07:30	444	66 EB	No	-
07:30	444	66 EB	Yes	No	14:00	464	90 EB	No	Yes	13:45	407	81 EB	No	No
07:15	428	69 EB	Yes	No	14:15	462	94 EB	No	Yes	07:00	406	64 EB	No	No
13:45	407	81 EB	Yes	No	16:00	455	137 EB	No	Yes	13:15	395	74 EB	No	No
07:00	406	64 EB	Yes	No	15:45	444	125 EB	No	Yes	07:45	394	64 EB	No	-
13:15	395	74 EB	Yes	No	07:30	444	66 EB	No	Yes	13:30	390	74 EB	No	No
07:45	394	64 EB	Yes	No	15:00	433	107 EB	No	Yes	13:00	380	74 EB	No	No
13:30	390	74 EB	Yes	No	15:30	431	121 EB	No	Yes	11:30	378	72 EB	No	No
13:00	380	74 EB	Yes	No	15:15	431	112 EB	No	Yes	12:45	377	73 EB	No	No
11:30	378	72 EB	Yes	No	07:15	428	69 EB	No	Yes	08:00	374	56 EB	No	-
12:45	377	73 EB	Yes	No	13:45	407	81 EB	No	Yes	11:15	368	68 EB	No	No
08:00	374	56 EB	Yes	No	07:00	406	64 EB	No	Yes	12:30	364	81 EB	No	No
11:15	368	68 EB	Yes	No	13:15	395	74 EB	No	Yes	06:45	364	55 EB	No	No
12:30	364	81 EB	Yes	No	07:45	394	64 EB	No	Yes	12:00	357	80 EB	No	No
06:45	364	55 EB	Yes	No	13:30	390	74 EB	No	Yes	12:15	356	83 EB	No	No
12:00	357	80 EB	Yes	No	13:00	380	74 EB	No	Yes	11:45	354	79 EB	No	No
12:15	356	83 EB	Yes	No	11:30	378	72 EB	No	Yes	11:00	340	62 EB	No	No
11:45	354	79 EB	Yes	No	12:45	377	73 EB	No	Yes	10:45	335	65 EB	No	No
11:00	340	62 EB	No	No	08:00	374	56 EB	No	Yes	08:15	334	59 EB	No	No