



Ohio Department of Transportation District 9

SCI SR 139 & Rosemount Road

WARRANT ANALYSIS: 85%ile Redution

Study Name : **SCI 139 and Rosemount Rd Warrant Analysis 85% reduction Added**

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: **1,981**

Warrant Summary (Rural values apply.)

Warrant 1 - Eight Hour Vehicular Volumes	Satisfied
Warrant 1A - Minimum Vehicular Volume	Satisfied
Required volumes reached for 9 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 11 hours, 8 are needed	
Required 1B volumes reached for 4 hours, 8 are needed	
Warrant 2 - Four Hour Volumes	Satisfied
Number of hours (5) volumes exceed minimum >= minimum required (4).	
Warrant 3 - Peak Hour	Satisfied
Warrant 3A - Peak Hour Delay	Satisfied
Number of hours (13) volumes exceed minimum >= required (1). Delay data not evaluated.	
Warrant 3B - Peak Hour Volumes	Satisfied
Volumes exceed minimums for at least one 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 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: 85%ile Reduction

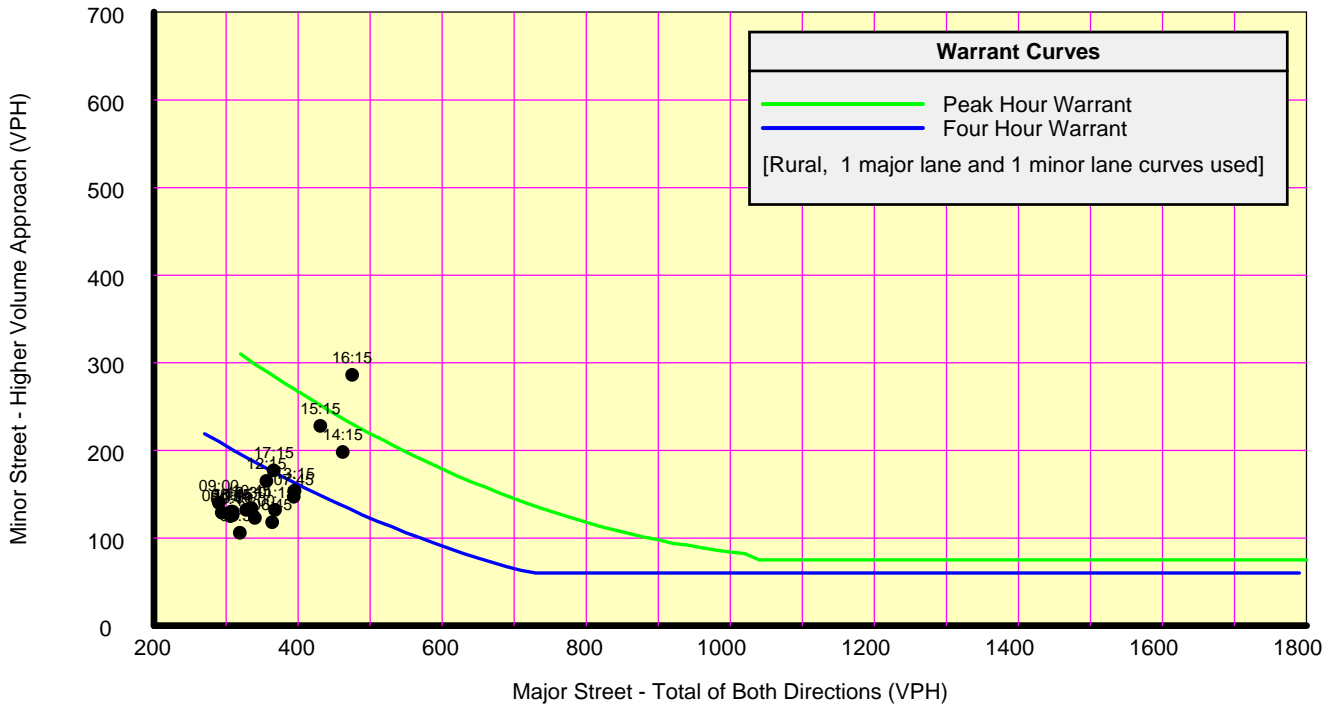
Study Name : SCI 139 and Rosemount Rd Warrant Analysis 85% reduction Added

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
16:15	475	286 EB	Yes	Yes	17:00	488	256 EB	No	Yes	17:00	488	256 EB	-	Yes
14:15	462	198 EB	Yes	Yes	16:30	488	287 EB	No	Yes	16:15	475	286 EB	Yes	-
15:15	431	228 EB	Yes	Yes	14:30	482	202 EB	No	Yes	14:00	464	187 EB	-	Yes
13:15	395	154 EB	Yes	Yes	16:45	479	264 EB	No	Yes	14:15	462	198 EB	Yes	-
07:45	394	147 EB	Yes	Yes	16:15	475	286 EB	No	Yes	16:00	455	263 EB	-	Yes
11:15	368	132 EB	Yes	Yes	14:45	475	236 EB	No	Yes	15:00	433	226 EB	-	Yes
17:15	366	177 EB	Yes	Yes	14:00	464	187 EB	No	Yes	15:15	431	228 EB	Yes	-
06:45	364	118 EB	Yes	Yes	14:15	462	198 EB	No	Yes	07:15	428	156 EB	Yes	Yes
12:15	356	165 EB	Yes	Yes	16:00	455	263 EB	No	Yes	13:15	395	154 EB	Yes	No
11:00	340	123 EB	No	Yes	15:45	444	251 EB	No	Yes	11:15	368	132 EB	Yes	No
10:45	335	134 EB	No	Yes	07:30	444	151 EB	No	Yes	17:15	366	177 EB	Yes	-
10:30	328	132 EB	No	Yes	15:00	433	226 EB	No	Yes	12:15	356	165 EB	Yes	No
06:30	319	106 EB	No	Yes	15:30	431	242 EB	No	Yes	08:15	334	124 EB	Yes	No
10:15	309	130 EB	No	Yes	15:15	431	228 EB	No	Yes	10:15	309	130 EB	Yes	No
10:00	309	126 EB	No	Yes	07:15	428	156 EB	No	Yes	09:15	294	129 EB	Yes	No
08:45	307	130 EB	No	Yes	13:45	407	166 EB	No	Yes	06:15	282	94 EB	Yes	No
09:45	306	125 EB	No	Yes	07:00	406	138 EB	No	Yes	13:45	407	166 EB	-	No
09:15	294	129 EB	No	Yes	13:15	395	154 EB	No	Yes	07:00	406	138 EB	-	No
09:00	290	140 EB	No	Yes	07:45	394	147 EB	No	Yes	13:30	390	152 EB	-	No
09:30	286	127 EB	No	Yes	13:30	390	152 EB	No	Yes	13:00	380	152 EB	-	No
06:15	282	94 EB	No	No	13:00	380	152 EB	No	Yes	11:30	378	141 EB	-	No
06:00	248	85 EB	No	No	11:30	378	141 EB	No	Yes	12:45	377	152 EB	-	No
05:45	178	53 EB	No	No	12:45	377	152 EB	No	Yes	12:30	364	164 EB	-	No
05:30	92	28 EB	No	No	08:00	374	124 EB	No	Yes	06:45	364	118 EB	-	No