



INNOVATIVE IDEAS
EXCEPTIONAL DESIGN
UNMATCHED CLIENT SERVICE

New Carlisle Intersection Study
Final Tech Memo

Appendix D: PC Warrants Signal Warrant

Signal Warrants - Summary

Major Street Approaches

Northbound: SR235

Number of Lanes: **1**
 85% Speed < 40 MPH.
 Total Approach Volume: **2,550**

Southbound: SR235

Number of Lanes: **1**
 85% Speed < 40 MPH.
 Total Approach Volume: **2,039**

Minor Street Approaches

Eastbound: Church/Linden

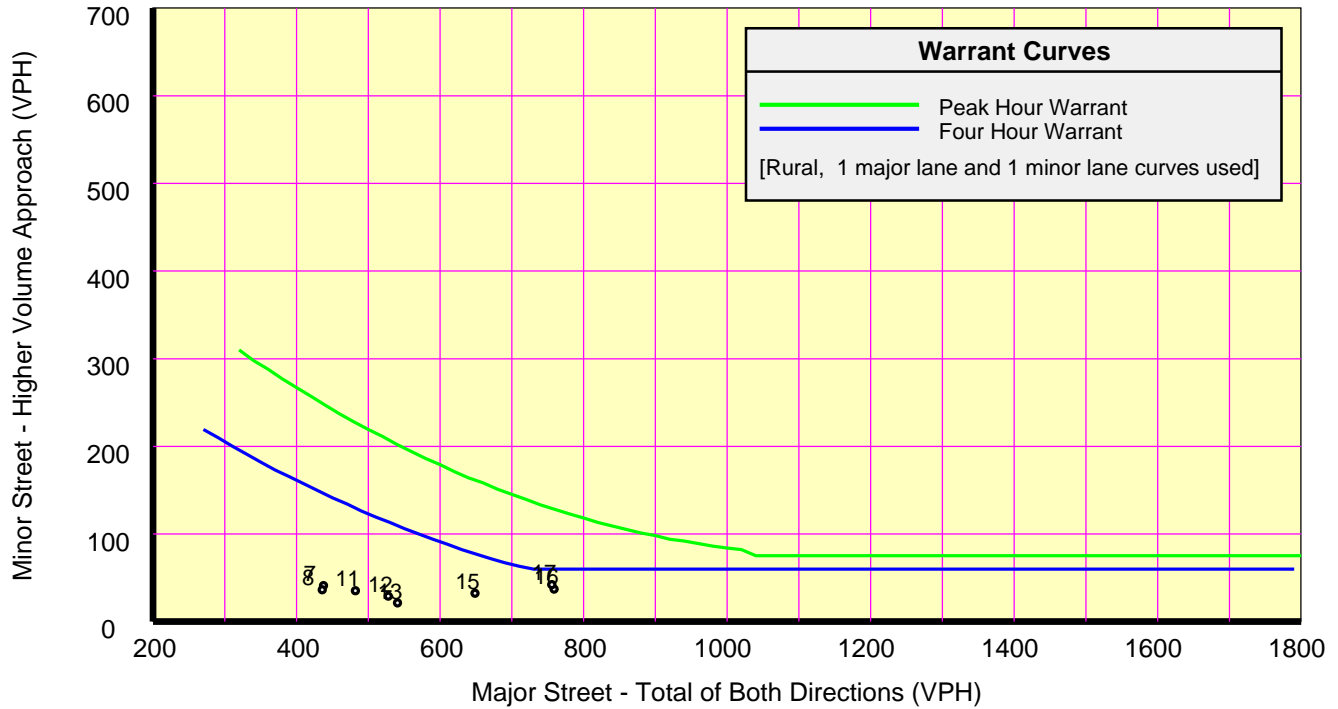
Number of Lanes: **1**

 Total Approach Volume: **273**

Warrant Summary (Rural 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 1 A&B - Combination of Warrants Not Satisfied Required 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 (2) 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

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	Maj 420	Min 84
16:15	767	37	EB	Yes	No	16:15	767	37	EB	Yes	No	16:15	767	37	EB	Yes	No
16:00	759	37	EB	Yes	No	16:00	759	37	EB	Yes	No	16:00	759	37	EB	Yes	No
17:00	756	42	EB	Yes	No	17:00	756	42	EB	Yes	No	17:00	756	42	EB	Yes	No
16:45	750	35	EB	Yes	No	16:45	750	35	EB	Yes	No	16:45	750	35	EB	Yes	No
15:45	750	38	EB	Yes	No	15:45	750	38	EB	Yes	No	15:45	750	38	EB	Yes	No
16:30	746	35	EB	Yes	No	16:30	746	35	EB	Yes	No	16:30	746	35	EB	Yes	No
15:30	725	38	EB	Yes	No	15:30	725	38	EB	Yes	No	15:30	725	38	EB	Yes	No
15:15	675	40	EB	Yes	No	15:15	675	40	EB	Yes	No	15:15	675	40	EB	Yes	No
15:00	649	32	EB	Yes	No	15:00	649	32	EB	Yes	No	15:00	649	32	EB	Yes	No
17:15	559	29	EB	Yes	No	17:15	559	29	EB	Yes	No	17:15	559	29	EB	Yes	No
11:30	546	31	EB	Yes	No	11:30	546	31	EB	Yes	No	11:30	546	31	EB	Yes	No
13:00	541	21	EB	Yes	No	13:00	541	21	EB	Yes	No	13:00	541	21	EB	Yes	No
11:45	541	30	EB	Yes	No	11:45	541	30	EB	Yes	No	11:45	541	30	EB	Yes	No
12:15	534	26	EB	Yes	No	12:15	534	26	EB	Yes	No	12:15	534	26	EB	Yes	No
12:00	528	29	EB	Yes	No	12:00	528	29	EB	Yes	No	12:00	528	29	EB	Yes	No
12:45	519	21	EB	Yes	No	12:45	519	21	EB	No	No	12:45	519	21	EB	Yes	No
11:15	512	38	EB	Yes	No	11:15	512	38	EB	No	No	11:15	512	38	EB	Yes	No
12:30	508	26	EB	Yes	No	12:30	508	26	EB	No	No	12:30	508	26	EB	Yes	No
14:45	484	23	EB	Yes	No	14:45	484	23	EB	No	No	14:45	484	23	EB	Yes	No
11:00	482	35	EB	Yes	No	11:00	482	35	EB	No	No	11:00	482	35	EB	Yes	No
07:30	452	36	EB	Yes	No	07:30	452	36	EB	No	No	07:30	452	36	EB	Yes	No
07:45	442	37	EB	Yes	No	07:45	442	37	EB	No	No	07:45	442	37	EB	Yes	No
07:00	438	41	EB	Yes	No	07:00	438	41	EB	No	No	07:00	438	41	EB	Yes	No
08:00	436	36	EB	Yes	No	08:00	436	36	EB	No	No	08:00	436	36	EB	Yes	No