

# Signal Warrants - Summary

## Major Street Approaches

### Eastbound: REYNOLDS BLVD

Number of Lanes : 2

Total Approach Volume: 11,653

### Westbound: REYNOLDS BLVD

Number of Lanes : 2

Total Approach Volume: 11,653

## Minor Street Approaches

### Northbound: INTERNATIONAL AVE

Number of Lanes : 2

Total Approach Volume: 0

### Southbound: INTERNATIONAL AVE

Number of Lanes : 2

Total Approach Volume: 2,629

## Warrant Summary (Urban Values Apply)

**Warrant 1 - Eight Hour Vehicular Volumes.....Satisfied**

**Warrant 1A - Minimum Vehicular Volume.....Not Satisfied**

Required volumes reached for 7 hours, 8 are needed

**Warrant 1B - Interruption of Continuous Traffic.....Satisfied**

Required volumes reached for 11 hours, 8 are needed

**Warrant 1C - Combination of Warrants.....Satisfied**

Required 1A volumes reached for 9 hours, 8 are needed  
Required 1B volumes reached for 13 hours, 8 are needed

**Warrant 2 - Four Hour Volumes.....Satisfied**

Number of hours (10) volumes exceed minimum >= minimum required (4).

**Warrant 3 - Peak Hour.....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.....Satisfied**

Volumes exceed minimums for at least one hour.

**Warrant 4 - Pedestrian Volumes.....Not Satisfied**

Required 4 Hr pedestrian volume reached for 1 hour(s) and the single hour volume for 0 hour(s)

**Warrant 5 - School Crossing.....Not Satisfied**

Number of gaps > 9.0 seconds (330) exceeds the number of minutes in the crossing period (120).

**Warrant 6 - Coordinated Signal System.....Not Satisfied**

Nearest coordinated signal (301) is less than 1,000 feet away.

**Warrant 7 - Crash Experience.....Satisfied**

Number of accidents (3) is more than minimum (5) and volume requirements are met.

**Warrant 8 - Roadway Network.....Not Satisfied**

Major Route conditions not met. One or more volume requirement met.

**Warrant 9 - Intersection Near a Grade Crossing.....Satisfied**

Volumes exceed minimums for at least one hour.

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Study Name: **Demo1-Peds**

Study Date: **3/19/2016**

Page No: **2**

## Warrant 1A - Minimum Volumes

### Description

Intended for sites where the volume of intersecting traffic is the principal reason for consideration of a signal installation.

### Summary

Only 7 hours meet minimums.  
Warrant is NOT met.

### Site Data Required

Rural Settings Apply = **False**  
 Number of Major Lanes = **2 or more**  
 Number of Minor Lanes = **2 or more**

### Volume Requirements

Veh/Hr Major = **480**

Veh/Hr Minor = **160**

Time	Major Road REYNOLDS BLVD				Total	Minor Road INTERNATIONAL AVE		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
07:15 - 08:15	848	+	848	=	1696	0	201	Yes
16:15 - 17:15	792	+	792	=	1584	0	201	Yes
11:45 - 12:45	785	+	785	=	1570	0	285	Yes
14:45 - 15:45	782	+	782	=	1564	0	288	Yes
17:15 - 18:15	748	+	748	=	1496	0	222	Yes
08:15 - 09:15	735	+	735	=	1470	0	341	Yes
10:45 - 11:45	639	+	639	=	1278	0	256	Yes
18:15 - 19:15	883	+	883	=	1766	0	102	No
18:30 - 19:30	854	+	854	=	1708	0	94	No
07:00 - 08:00	807	+	807	=	1614	0	174	No
18:45 - 19:45	807	+	807	=	1614	0	111	No
15:45 - 16:45	802	+	802	=	1604	0	190	No
16:00 - 17:00	790	+	790	=	1580	0	186	No
14:30 - 15:30	776	+	776	=	1552	0	173	No
14:15 - 15:15	766	+	766	=	1532	0	89	No
19:00 - 20:00	750	+	750	=	1500	0	107	No
06:45 - 07:45	742	+	742	=	1484	0	179	No
06:30 - 07:30	737	+	737	=	1474	0	174	No
12:45 - 13:45	736	+	736	=	1472	0	120	No
14:00 - 15:00	713	+	713	=	1426	0	77	No
13:00 - 14:00	697	+	697	=	1394	0	111	No
19:15 - 20:15	652	+	652	=	1304	0	96	No
13:45 - 14:45	652	+	652	=	1304	0	74	No
09:45 - 10:45	649	+	649	=	1298	0	39	No
13:30 - 14:30	649		649		1298	0	84	No

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Study Date: **3/19/2016**

Page No: **3**

## Warrant 1B - Interruption of Continuous Traffic

### Description

Intended for sites where the volume of the major street is so heavy that traffic on the minor street suffers excessive delay or hazard.

### Summary

11 hours meet minimums.  
Warrant IS met.

### Site Data Required

Rural Settings Apply = **False**  
 Number of Major Lanes = **2 or more**  
 Number of Minor Lanes = **2 or more**

### Volume Requirements

Veh/Hr Major = **720**

Veh/Hr Minor = **80**

Time	Major Road REYNOLDS BLVD				Total	Minor Road INTERNATIONAL AVE		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
07:30 - 08:30	874	+	874	=	1748	0	199	Yes
17:30 - 18:30	817	+	817	=	1634	0	197	Yes
18:45 - 19:45	807	+	807	=	1614	0	111	Yes
15:30 - 16:30	806	+	806	=	1612	0	275	Yes
11:30 - 12:30	779	+	779	=	1558	0	370	Yes
14:30 - 15:30	776	+	776	=	1552	0	173	Yes
12:30 - 13:30	753	+	753	=	1506	0	130	Yes
06:30 - 07:30	737	+	737	=	1474	0	174	Yes
16:30 - 17:30	730	+	730	=	1460	0	233	Yes
08:30 - 09:30	670	+	670	=	1340	0	259	Yes
10:30 - 11:30	608	+	608	=	1216	0	142	Yes
18:30 - 19:30	854	+	854	=	1708	0	94	No
14:15 - 15:15	766	+	766	=	1532	0	89	No
14:00 - 15:00	713	+	713	=	1426	0	77	No
13:45 - 14:45	652	+	652	=	1304	0	74	No
09:45 - 10:45	649	+	649	=	1298	0	39	No
13:30 - 14:30	649	+	649	=	1298	0	84	No
06:15 - 07:15	640	+	640	=	1280	0	82	No
09:30 - 10:30	637	+	637	=	1274	0	42	No
10:15 - 11:15	609	+	609	=	1218	0	89	No
10:00 - 11:00	602	+	602	=	1204	0	61	No
19:45 - 20:45	540	+	540	=	1080	0	42	No
06:00 - 07:00	525	+	525	=	1050	0	39	No
20:00 - 21:00	517	+	517	=	1034	0	26	No
20:15 - 21:15	490		490		980	0	15	No

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Study Date: **3/19/2016**

Page No: **4**

## Warrant 1C Combination of Warrants

### Description

Intended for sites where the traffic volumes don't meet individual warrants but where Warrants 1A and 1B are both met to 80% of their stated values.

### Summary

9 hours meet 1A minimums.  
13 hours meet 1B minimums.  
Warrant IS met.

### Site Data Required

Rural Settings Apply = **False**  
Number of Major Lanes = **2 or more**  
Number of Minor Lanes = **2 or more**

### Volume Requirements

Warrant 1A 1B  
Veh/Hr Major = **600 900**  
  
Veh/Hr Minor = **200 100**

#### Major Road REYNOLDS BLVD

#### Minor Road INTERNATIONAL AVE

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1A?
18:00 - 19:00	856	+	856	=	1712	0	130	Yes
07:00 - 08:00	807	+	807	=	1614	0	174	Yes
08:00 - 09:00	796	+	796	=	1592	0	397	Yes
16:00 - 17:00	790	+	790	=	1580	0	186	Yes
12:00 - 13:00	790	+	790	=	1580	0	233	Yes
15:00 - 16:00	769	+	769	=	1538	0	320	Yes
17:00 - 18:00	754	+	754	=	1508	0	240	Yes
19:00 - 20:00	750	+	750	=	1500	0	107	Yes
14:00 - 15:00	713	+	713	=	1426	0	77	Yes
13:00 - 14:00	697	+	697	=	1394	0	111	Yes
11:00 - 12:00	693	+	693	=	1386	0	310	Yes
09:00 - 10:00	636	+	636	=	1272	0	48	Yes

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
18:15 - 19:15	883	+	883	=	1766	0	102	Yes
07:15 - 08:15	848	+	848	=	1696	0	201	Yes
12:15 - 13:15	806	+	806	=	1612	0	178	Yes
16:15 - 17:15	792	+	792	=	1584	0	201	Yes
15:15 - 16:15	770	+	770	=	1540	0	347	Yes
14:15 - 15:15	766	+	766	=	1532	0	89	Yes
17:15 - 18:15	748	+	748	=	1496	0	222	Yes
08:15 - 09:15	735	+	735	=	1470	0	341	Yes
11:15 - 12:15	723	+	723	=	1446	0	366	Yes
19:15 - 20:15	652	+	652	=	1304	0	96	Yes
13:15 - 14:15	644	+	644	=	1288	0	89	Yes
06:15 - 07:15	640	+	640	=	1280	0	82	Yes

## Warrant 2 - Four Hour Volumes

### Description

Intended for sites where the volume of intersecting traffic during any four hours of the day is the principal reason for consideration of a signal installation.

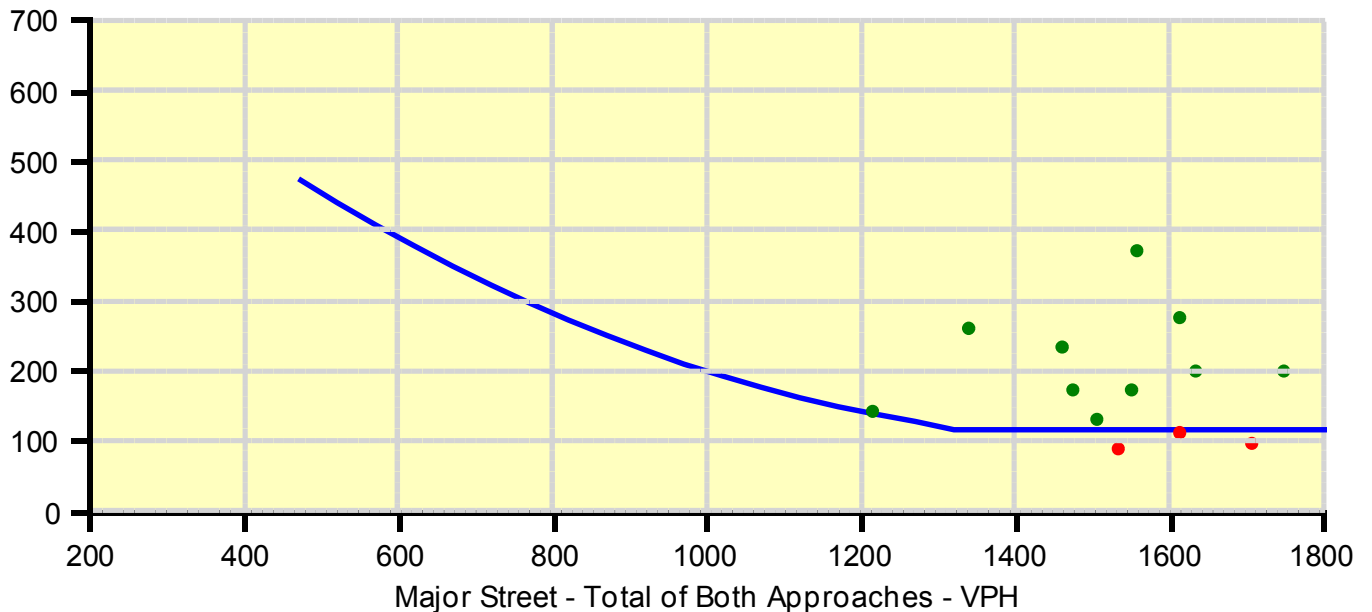
### Summary

10 hours meet minimums.  
Warrant IS met.

### Site Data Required

Rural Settings Apply = **False**  
 Number of Major Lanes = **2 or more**  
 Number of Minor Lanes = **2 or more**

Time	Major Road REYNOLDS BLVD				Total	Minor Road INTERNATIONAL AVE		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
07:30 - 08:30	874	+	874	=	1748	0	199	Yes
17:30 - 18:30	817	+	817	=	1634	0	197	Yes
15:30 - 16:30	806	+	806	=	1612	0	275	Yes
11:30 - 12:30	779	+	779	=	1558	0	370	Yes
14:30 - 15:30	776	+	776	=	1552	0	173	Yes
12:30 - 13:30	753	+	753	=	1506	0	130	Yes
06:30 - 07:30	737	+	737	=	1474	0	174	Yes
16:30 - 17:30	730	+	730	=	1460	0	233	Yes
08:30 - 09:30	670	+	670	=	1340	0	259	Yes
10:30 - 11:30	608	+	608	=	1216	0	142	Yes
18:30 - 19:30	854	+	854	=	1708	0	94	No



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Study Date: **3/19/2016**

Page No: **6**

## Warrant 3A - Peak Hour Delay

### Description

Intended for sites where for one hour of the day minor street traffic suffers undue traffic delay entering or crossing the major street.

### Summary

60 hours meet minimums.  
Warrant is NOT met.

### Site Data Required

Number of Minor Lanes = 2

### Volume and Delay Requirements

Veh/Hr All Approaches = **720**

Veh/Hr Minor = **80**

Total Delay (Veh-Hrs) = **5**

Time	Major Road REYNOLDS BLVD			Minor Road INTERNATIONAL AVE			Warrant Met?		
	Total of All Approaches	Met?	Minor NB	Delay NB	Met?	Minor SB		Delay SB	Met?
07:45 - 08:45	1999	Yes	0	-	---	305	-	Yes	Yes
08:00 - 09:00	1989	Yes	0	-	---	397	-	Yes	Yes
07:30 - 08:30	1947	Yes	0	-	---	199	-	Yes	Yes
11:30 - 12:30	1928	Yes	0	-	---	370	-	Yes	Yes
07:15 - 08:15	1897	Yes	0	-	---	201	-	Yes	Yes
15:30 - 16:30	1887	Yes	0	-	---	275	-	Yes	Yes
15:15 - 16:15	1887	Yes	0	-	---	347	-	Yes	Yes
15:00 - 16:00	1858	Yes	0	-	---	320	-	Yes	Yes
11:45 - 12:45	1855	Yes	0	-	---	285	-	Yes	Yes
14:45 - 15:45	1852	Yes	0	-	---	288	-	Yes	Yes
17:45 - 18:45	1848	Yes	0	-	---	160	-	Yes	Yes
17:30 - 18:30	1831	Yes	0	-	---	197	-	Yes	Yes
12:00 - 13:00	1813	Yes	0	-	---	233	-	Yes	Yes
11:15 - 12:15	1812	Yes	0	-	---	366	-	Yes	Yes
08:15 - 09:15	1811	Yes	0	-	---	341	-	Yes	Yes
15:45 - 16:45	1794	Yes	0	-	---	190	-	Yes	Yes
12:15 - 13:15	1790	Yes	0	-	---	178	-	Yes	Yes
07:00 - 08:00	1788	Yes	0	-	---	174	-	Yes	Yes
16:15 - 17:15	1785	Yes	0	-	---	201	-	Yes	Yes
16:00 - 17:00	1766	Yes	0	-	---	186	-	Yes	Yes
17:00 - 18:00	1748	Yes	0	-	---	240	-	Yes	Yes
14:30 - 15:30	1725	Yes	0	-	---	173	-	Yes	Yes
16:45 - 17:45	1721	Yes	0	-	---	239	-	Yes	Yes
17:15 - 18:15	1718	Yes	0	-	---	222	-	Yes	Yes
11:00 - 12:00	1696	Yes	0	-	---	310	-	Yes	Yes

## Warrant 3B - Peak Hour Volumes

### Description

Intended for sites where the volume of intersecting traffic during one hour of the day is the principal reason for consideration of a signal installation.

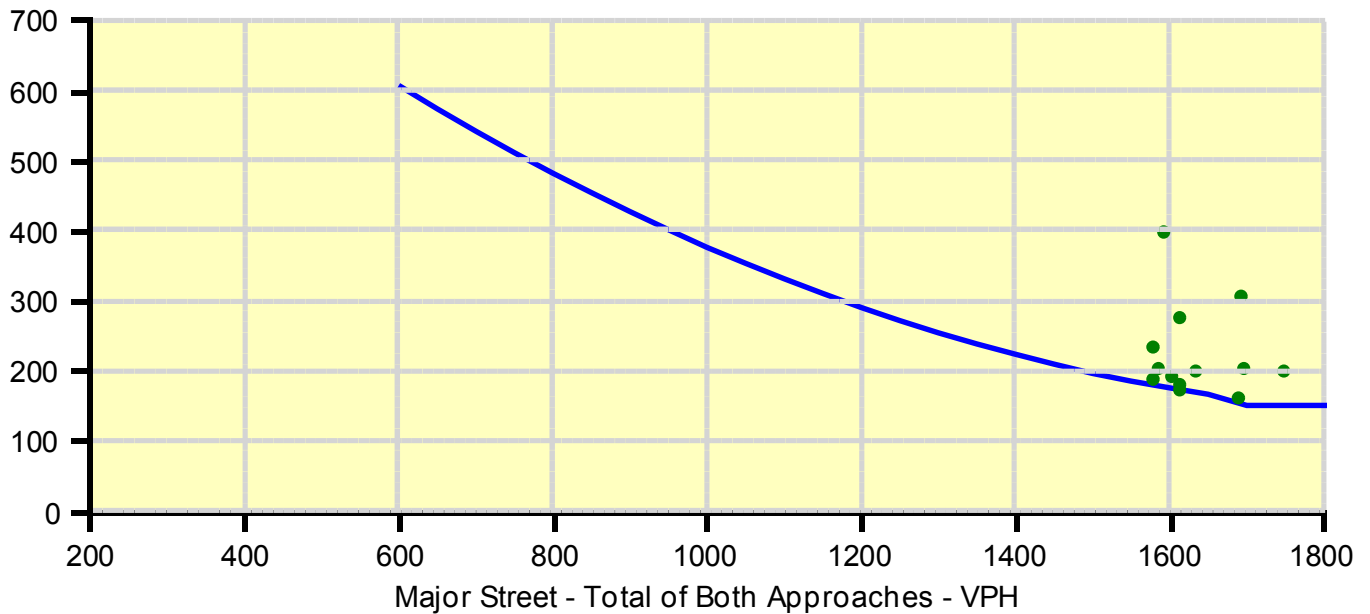
### Summary

26 hours meet minimums.  
Warrant IS met.

### Site Data Required

Rural Settings Apply = **False**  
 Number of Major Lanes = **2 or more**  
 Number of Minor Lanes = **2 or more**

Time	Major Road REYNOLDS BLVD				Total	Minor Road INTERNATIONAL AVE		Met?
	Major EB	+	Major WB	=		Minor NB	Minor SB	
07:30 - 08:30	874	+	874	=	1748	0	199	Yes
07:15 - 08:15	848	+	848	=	1696	0	201	Yes
07:45 - 08:45	847	+	847	=	1694	0	305	Yes
17:45 - 18:45	844	+	844	=	1688	0	160	Yes
17:30 - 18:30	817	+	817	=	1634	0	197	Yes
07:00 - 08:00	807	+	807	=	1614	0	174	Yes
12:15 - 13:15	806	+	806	=	1612	0	178	Yes
15:30 - 16:30	806	+	806	=	1612	0	275	Yes
15:45 - 16:45	802	+	802	=	1604	0	190	Yes
08:00 - 09:00	796	+	796	=	1592	0	397	Yes
16:15 - 17:15	792	+	792	=	1584	0	201	Yes



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Study Name: **Demo1-Peds**

Study Date: **3/19/2016**

Page No: **8**

## Warrant 4A - Pedestrian Volumes - 4 Hour

### Description

Intended for sites where the traffic volume on a major street is so heavy that pedestrians experience excessive delay in crossing the major street.

### Summary

No '4 Hr Criteria' hours meet minimums.  
No '1 Hr Criteria' hours meet minimums.  
Warrant is NOT met.

### Site Data Required

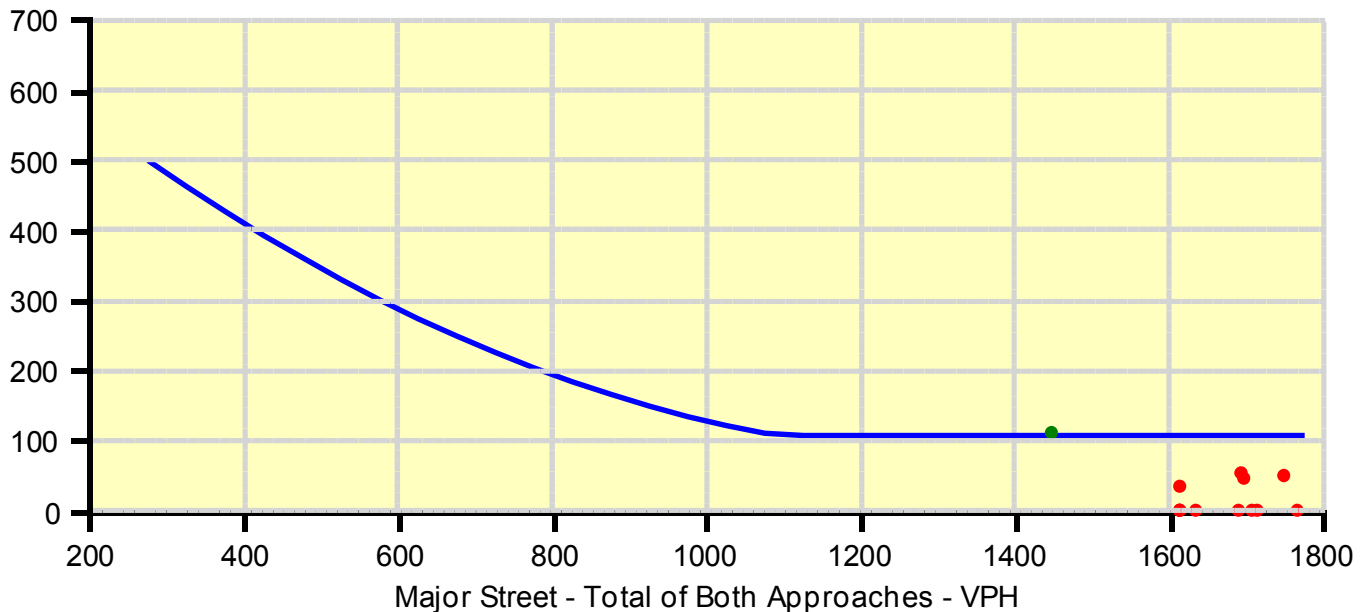
Rural Settings Apply = **False**

### Pedestrian Data Required

Adjacent coordinated signals present = **False**  
Closest Signal < 300 Feet = **False**  
Ped Speed < 3.5 ft/sec = **False**

### Major Road REYNOLDS BLVD

Time	EB Vehs	+	WB Vehs	=	Total	EB Peds	+	WB Peds	=	Ped Total	Met?
11:15 - 12:15	723	+	723	=	1446	110	+	0	=	110	Yes
18:15 - 19:15	883	+	883	=	1766	0	+	0	=	0	No
07:30 - 08:30	874	+	874	=	1748	50	+	0	=	50	No
18:00 - 19:00	856	+	856	=	1712	0	+	0	=	0	No
18:30 - 19:30	854	+	854	=	1708	0	+	0	=	0	No
07:15 - 08:15	848	+	848	=	1696	46	+	0	=	46	No
07:45 - 08:45	847	+	847	=	1694	54	+	0	=	54	No
17:45 - 18:45	844	+	844	=	1688	0	+	0	=	0	No
17:30 - 18:30	817	+	817	=	1634	0	+	0	=	0	No
07:00 - 08:00	807	+	807	=	1614	33	+	0	=	33	No
18:45 - 19:45	807	+	807	=	1614	0	+	0	=	0	No
12:15 - 13:15	806	+	806	=	1612	0	+	0	=	0	No

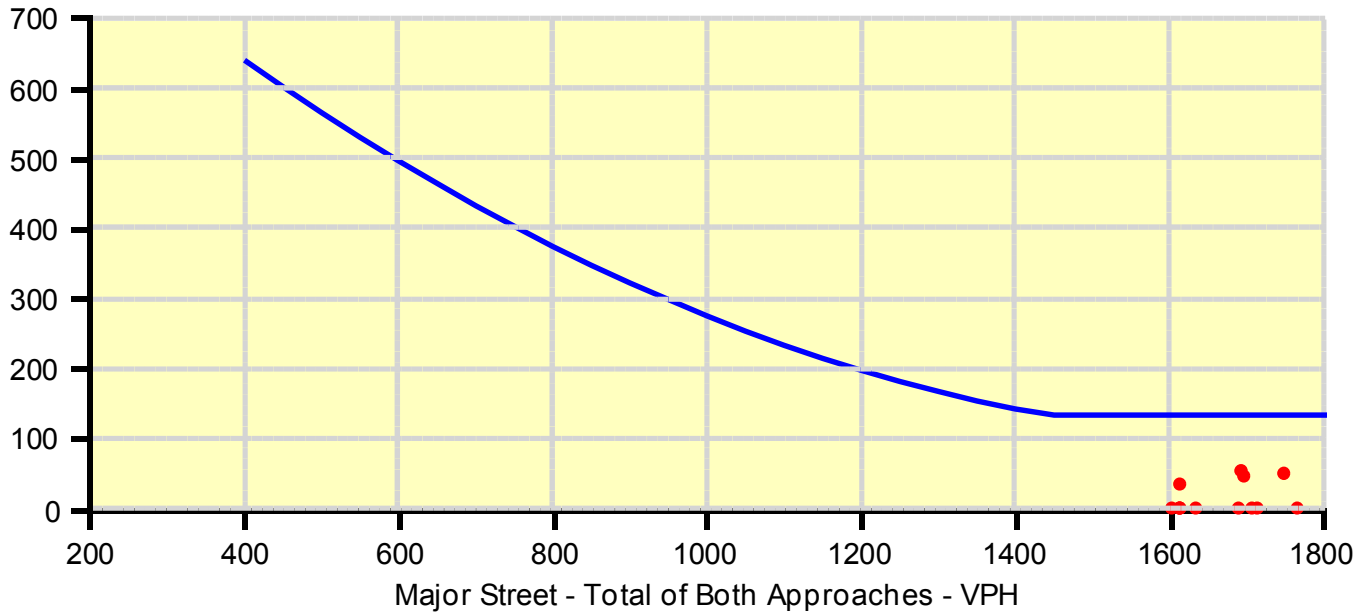




## Warrant 4B - Pedestrian Volumes - 1 Hour

**Major Road**  
**REYNOLDS BLVD**

Time	EB Vehs	+	WB Vehs	=	Total	EB Peds	+	WB Peds	=	Ped Total	Met?
18:15 - 19:15	883	+	883	=	1766	0	+	0	=	0	No
07:30 - 08:30	874	+	874	=	1748	50	+	0	=	50	No
18:00 - 19:00	856	+	856	=	1712	0	+	0	=	0	No
18:30 - 19:30	854	+	854	=	1708	0	+	0	=	0	No
07:15 - 08:15	848	+	848	=	1696	46	+	0	=	46	No
07:45 - 08:45	847	+	847	=	1694	54	+	0	=	54	No
17:45 - 18:45	844	+	844	=	1688	0	+	0	=	0	No
17:30 - 18:30	817	+	817	=	1634	0	+	0	=	0	No
07:00 - 08:00	807	+	807	=	1614	33	+	0	=	33	No
18:45 - 19:45	807	+	807	=	1614	0	+	0	=	0	No
12:15 - 13:15	806	+	806	=	1612	0	+	0	=	0	No
15:30 - 16:30	806	+	806	=	1612	0	+	0	=	0	No



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Study Name: **Demo1-Peds**

Study Date: **3/19/2016**

Page No: **10**

## Warrant 5 - School Crossing

### Description

A signal may be warranted at an established school crossing if there are not sufficient gaps to allow the children to safely cross the road.

### Summary

330 gaps is above required.  
Warrant is NOT met.

### Site Data Required

Start Time of School Crossing: **07:00 AM**  
 Stop Time of School Crossing: **09:00 AM**  
 Street Width (ft): **40**  
 Ped Speed (ft/sec): **4.5**

### Gap Requirements

Gap required to cross street safely: **9 secs.**  
 Number of minutes children present: **120**  
 Maximum number of gaps: **120**

Time	Total	0-2	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16-18	18-20	20-22	22-24	24-26	26+
00:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
05:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00	95	1	2	3	4	5	6	7	8	9	10	11	12	13	14
08:00	235	15	16	17	18	19	20	21	22	23	24	25	26	27	28
09:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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## **Warrant 6 - Coordinated Signal System**

### **Description**

Intended for sites where a signal installation would help maintain proper grouping of vehicles and effectively regulate group speed.

### **Summary**

Both requirements are NOT met.  
Warrant is NOT met.

### **Site Data Required**

Closest Signal greater than 1000 feet = **False**  
Adjacent coordinated signals are present = **False**

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Study Date: **3/19/2016**

Page No: **12**

## Warrant 7 - Crash Experience

### Description

Intended for sites where the frequency of correctible crashes in the past 12 months is the primary motivation for installing a traffic signal.

### Summary

Number of crashes does not meet minimum.  
Pedestrian volumes do not meet the 80% criteria.  
Both War 1A and 1B volumes meet the 80% criteria.  
Warrant IS met.

### Site Data Required

Number of crashes in last 12 months = **3**

Rural Settings Apply = **False**  
Number of Major Lanes = **2 or more**  
Number of Minor Lanes = **2 or more**

### Crash and Volume Requirements

Minimum number of crashes = **5**

Veh/Hr Major: War 1A = **480** War 1B = **720**

Veh/Hr Minor: War 1A = **160** War 1B = **80**

### Volume and Pedestrian Data

Number of hours data meets 80% requirements of Warrant 1A (8 needed) **9** Met? **Yes**

Number of hours data meets 80% requirements of Warrant 1B (8 needed) **13** Met? **Yes**

Number of hours data meets 80% requirements of Warrant 4 (4,1 needed) **2 1** Met? **No**

**Major Road**  
**REYNOLDS BLVD**

**Minor Road**  
**INTERNATIONAL AVE**

### Warrant 1A Details

Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1A?
07:30 - 08:30	874	+	874	=	1748	0	199	Yes
17:30 - 18:30	817	+	817	=	1634	0	197	Yes
15:30 - 16:30	806	+	806	=	1612	0	275	Yes
11:45 - 12:45	785	+	785	=	1570	0	285	Yes
14:30 - 15:30	776	+	776	=	1552	0	173	Yes
06:30 - 07:30	737	+	737	=	1474	0	174	Yes
16:30 - 17:30	730	+	730	=	1460	0	233	Yes
08:30 - 09:30	670	+	670	=	1340	0	259	Yes
10:45 - 11:45	639	+	639	=	1278	0	256	Yes
18:30 - 19:30	854	+	854	=	1708	0	94	No
18:45 - 19:45	807	+	807	=	1614	0	111	No
14:15 - 15:15	766	+	766	=	1532	0	89	No

### Warrant 1B Details

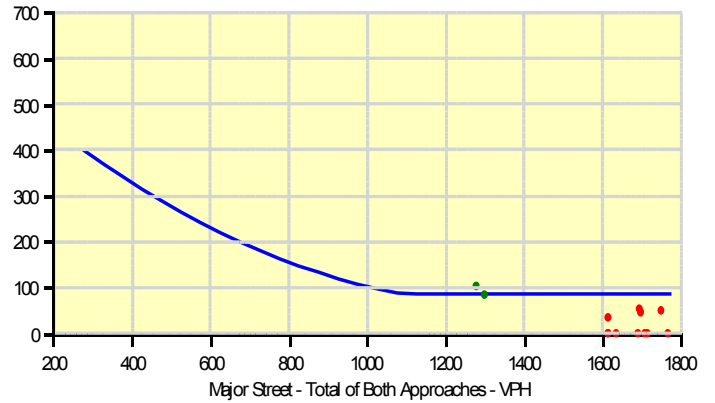
Time	Major EB	+	Major WB	=	Total	Minor NB	Minor SB	Met1B?
18:15 - 19:15	883	+	883	=	1766	0	102	Yes
07:15 - 08:15	848	+	848	=	1696	0	201	Yes
12:15 - 13:15	806	+	806	=	1612	0	178	Yes
16:15 - 17:15	792	+	792	=	1584	0	201	Yes
15:15 - 16:15	770	+	770	=	1540	0	347	Yes
14:15 - 15:15	766	+	766	=	1532	0	89	Yes
17:15 - 18:15	748	+	748	=	1496	0	222	Yes
08:15 - 09:15	735	+	735	=	1470	0	341	Yes
11:15 - 12:15	723	+	723	=	1446	0	366	Yes
19:15 - 20:15	652	+	652	=	1304	0	96	Yes
13:15 - 14:15	644	+	644	=	1288	0	89	Yes
06:15 - 07:15	640	+	640	=	1280	0	82	Yes

## Warrant 7 - Crash Experience

**Major Road**  
**REYNOLDS BLVD**

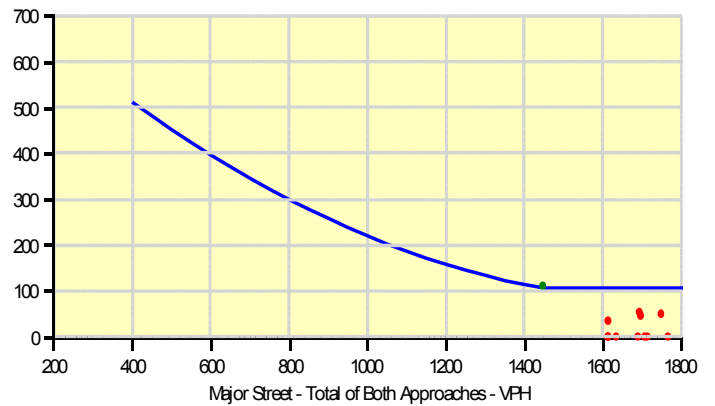
### 80% of Warrant 4 - 4 Hr Pedestrian Data

Time	EB Vehs	+	WB Vehs	=	Total Vehs	EB Peds	+	WB Peds	=	Ped Total	Met?
09:45 - 10:45	649	+	649	=	1298	86	+	0	=	86	Yes
10:45 - 11:45	639	+	639	=	1278	102	+	0	=	102	Yes
18:15 - 19:15	883	+	883	=	1766	0	+	0	=	0	No
07:30 - 08:30	874	+	874	=	1748	50	+	0	=	50	No
18:00 - 19:00	856	+	856	=	1712	0	+	0	=	0	No
18:30 - 19:30	854	+	854	=	1708	0	+	0	=	0	No
07:15 - 08:15	848	+	848	=	1696	46	+	0	=	46	No
07:45 - 08:45	847	+	847	=	1694	54	+	0	=	54	No
17:45 - 18:45	844	+	844	=	1688	0	+	0	=	0	No
17:30 - 18:30	817	+	817	=	1634	0	+	0	=	0	No
07:00 - 08:00	807	+	807	=	1614	33	+	0	=	33	No
18:45 - 19:45	807	+	807	=	1614	0	+	0	=	0	No



### 80% of Warrant 4 - 1 Hr Pedestrian Data

Time	EB Vehs	+	WB Vehs	=	Total Vehs	EB Peds	+	WB Peds	=	Ped Total	Met?
11:15 - 12:15	723	+	723	=	1446	110	+	0	=	110	Yes
18:15 - 19:15	883	+	883	=	1766	0	+	0	=	0	No
07:30 - 08:30	874	+	874	=	1748	50	+	0	=	50	No
18:00 - 19:00	856	+	856	=	1712	0	+	0	=	0	No
18:30 - 19:30	854	+	854	=	1708	0	+	0	=	0	No
07:15 - 08:15	848	+	848	=	1696	46	+	0	=	46	No
07:45 - 08:45	847	+	847	=	1694	54	+	0	=	54	No
17:45 - 18:45	844	+	844	=	1688	0	+	0	=	0	No
17:30 - 18:30	817	+	817	=	1634	0	+	0	=	0	No
07:00 - 08:00	807	+	807	=	1614	33	+	0	=	33	No
18:45 - 19:45	807	+	807	=	1614	0	+	0	=	0	No
12:15 - 13:15	806	+	806	=	1612	0	+	0	=	0	No



# Ridge Engineering Inc.

877-603-5844

www.pc-warrants.com

Study Name: **Demo1-Peds**

Study Date: **3/19/2016**

Page No: **14**

## Warrant 8 - Roadway Network

### Description

Intended for sites where the signal installation would encourage concentration and organization of traffic flow networks.

### Summary

Major route requirements are NOT met.  
Volume Requirements are met.  
Warrant is NOT met.

### Site Data Required

Intersection of Two Major Routes? = **No**

### Volume Requirements

Total Volume for All Approaches = **1000**

Number of Weekday Hours Needed = **1**

Time	Major Road REYNOLDS BLVD				Minor Road INTERNATIONAL AVE				Met?	
	EB	+	WB	+	NB	+	SB	=		
07:45 - 08:45	847	+	847	+	0	+	305	=	1999	Yes
08:00 - 09:00	796	+	796	+	0	+	397	=	1989	Yes
07:30 - 08:30	874	+	874	+	0	+	199	=	1947	Yes
11:30 - 12:30	779	+	779	+	0	+	370	=	1928	Yes
07:15 - 08:15	848	+	848	+	0	+	201	=	1897	Yes
15:30 - 16:30	806	+	806	+	0	+	275	=	1887	Yes
15:15 - 16:15	770	+	770	+	0	+	347	=	1887	Yes
18:15 - 19:15	883	+	883	+	0	+	102	=	1868	Yes
15:00 - 16:00	769	+	769	+	0	+	320	=	1858	Yes
11:45 - 12:45	785	+	785	+	0	+	285	=	1855	Yes
14:45 - 15:45	782	+	782	+	0	+	288	=	1852	Yes
17:45 - 18:45	844	+	844	+	0	+	160	=	1848	Yes
18:00 - 19:00	856	+	856	+	0	+	130	=	1842	Yes
17:30 - 18:30	817	+	817	+	0	+	197	=	1831	Yes
12:00 - 13:00	790	+	790	+	0	+	233	=	1813	Yes
11:15 - 12:15	723	+	723	+	0	+	366	=	1812	Yes
08:15 - 09:15	735	+	735	+	0	+	341	=	1811	Yes
18:30 - 19:30	854	+	854	+	0	+	94	=	1802	Yes
15:45 - 16:45	802	+	802	+	0	+	190	=	1794	Yes
12:15 - 13:15	806	+	806	+	0	+	178	=	1790	Yes
07:00 - 08:00	807	+	807	+	0	+	174	=	1788	Yes
16:15 - 17:15	792	+	792	+	0	+	201	=	1785	Yes
16:00 - 17:00	790	+	790	+	0	+	186	=	1766	Yes
17:00 - 18:00	754	+	754	+	0	+	240	=	1748	Yes
18:45 - 19:45	807		807		0		111		1725	Yes

## Warrant 9 - Intersection Near a Grade Crossing

### Description

Intended for sites where the proximity of a grade crossing near the intersection is the principle reason for consideration of a signal installation.

### Summary

Selected hour meets requirements.

Warrant IS met.

### Site Data Required

Clear Storage Distance = **90**

Number of Minor Approach Lanes = **2 or more**

Peak Hour Used by Rail = **Unknown**

% Buses on Approach = **0-2.0**

% Tractor Trailer Trucks = **7.6-12.5**

Rail Traffic Per Day = **3-5**

**Major Road**  
**REYNOLDS BLVD**

**Minor Road**  
**INTERNATIONAL AVE**

Time	Major EB	+	Major WB	=	Major Total	Minor SB	Met?
18:15 - 19:15	883	+	883	=	1766	102	Yes
07:30 - 08:30	874	+	874	=	1748	199	Yes
18:00 - 19:00	856	+	856	=	1712	130	Yes
18:30 - 19:30	854	+	854	=	1708	94	Yes
07:15 - 08:15	848	+	848	=	1696	201	Yes
07:45 - 08:45	847	+	847	=	1694	305	Yes
17:45 - 18:45	844	+	844	=	1688	160	Yes
17:30 - 18:30	817	+	817	=	1634	197	Yes
18:45 - 19:45	807	+	807	=	1614	111	Yes
07:00 - 08:00	807	+	807	=	1614	174	Yes
12:15 - 13:15	806	+	806	=	1612	178	Yes
15:30 - 16:30	806	+	806	=	1612	275	Yes

