

**B.2.03.08 TRAFFIC SIGNAL WARRANT ANALYSIS FORM FOR INTERSECTION CONTROL**

Minimum warrants for installation of traffic signal for roadways with two or more lanes

Major Street: Leslie Street  
 Minor Street: Driveway #2  
 Comments: Site Access #2 for Phase 1

Analyst: RG  
 Date: 14-Dec-06  
 Project No.: 16-06155-01-T01

FREE FLOW OR RESTRICTED CONDITIONS (FF or RES): RES  
 FREE FLOW CONDITIONS (RURAL)  
 RESTRICTED FLOW CONDITIONS (URBAN)

Major Street Approach Lanes: 2  
 Three or four legged intersection (3 or 4): 3  
 Future Condition (YES or NO): YES  
 New Intersection (YES or NO): YES

**WARRANT 1  
 ALL APPROACHES**

HOUR ENDING	PERCENTAGE WARRANT								TOTAL
	PM Peak	SAT Peak							
Volumes	2641	2607							
Minimum: 1350									
100% FULFILLED	1	1	0	0	0	0	0	0	2
Minimum: 1080									
80% FULFILLED	0	0	0	0	0	0	0	0	0
Actual if Below 80% Value			-	-	-	-	-	-	-

Sectional Percentage 2.00  
 100%

**MINOR STREET BOTH APPROACHES**

HOUR ENDING	PERCENTAGE WARRANT								TOTAL
	PM Peak	SAT Peak							
Volumes	87	99							
Minimum: 383									
100% FULFILLED	0	0	0	0	0	0	0	0	0
Minimum: 304									
80% FULFILLED	0	0	0	0	0	0	0	0	0
Actual if Below 80% Value	0.23	0.26	-	-	-	-	-	-	0.49

Sectional Percentage 0.49  
 24%

Entire Warrant 1 Percentage 24%

**WARRANT 2  
 MAJOR STREET BOTH APPROACHES**

HOUR ENDING	PERCENTAGE WARRANT								TOTAL
	PM Peak	SAT Peak							
Volumes	2554	2508							
Minimum: 1350									
100% FULFILLED	1	1	0	0	0	0	0	0	2
Minimum: 1080									
80% FULFILLED	0	0	0	0	0	0	0	0	0
Actual if Below 80% Value			-	-	-	-	-	-	-

Sectional Percentage 2.00  
 100%

**TRAFFIC CROSSING MAJOR STREET**

HOUR ENDING	PERCENTAGE WARRANT								TOTAL
	PM Peak	SAT Peak							
Volumes	87	99							
Minimum: 113									
100% FULFILLED	0	0	0	0	0	0	0	0	0
Minimum: 90									
80% FULFILLED	0	1	0	0	0	0	0	0	0.8
Actual if Below 80% Value	0.77		-	-	-	-	-	-	0.77

Sectional Percentage 1.57  
 79%

Entire Warrant 2 Percentage 79%

ARE SIGNALS WARRANTED AT THIS INTERSECTION?: NO

**B.2.03.08 TRAFFIC SIGNAL WARRANT ANALYSIS FORM FOR INTERSECTION CONTROL**

Minimum warrants for installation of traffic signal for roadways with two or more lanes

Major Street: Leslie Street  
 Minor Street: Driveway #2  
 Comments: Site Access #2 for Phase 2

Analyst: RG  
 Date: 24-Apr-07  
 Project No.: 16-06155-01-T01

FREE FLOW OR RESTRICTED CONDITIONS (FF or RES): RES

FREE FLOW CONDITIONS (RURAL)  
 RESTRICTED FLOW CONDITIONS (URBAN)

Major Street Approach Lanes: 2  
 Three or four legged intersection (3 or 4): 3  
 Future Condition (YES or NO): NO  
 New Intersection (YES or NO): YES

**WARRANT 1  
 ALL APPROACHES**

HOUR ENDING	PERCENTAGE WARRANT								TOTAL
	AM Peak	PM Peak							
Volumes	2185	2874	1265	1265	1265	1265	1265	1265	
Minimum: 900									
100% FULFILLED	1	1	1	1	1	1	1	1	8
Minimum: 720									
80% FULFILLED	0	0	0	0	0	0	0	0	0
Actual if Below 80% Value									-

Sectional Percentage 8.00  
**100%**

**MINOR STREET BOTH APPROACHES**

HOUR ENDING	PERCENTAGE WARRANT								TOTAL
	AM Peak	PM Peak							
Volumes	106	372	120	120	120	120	120	120	
Minimum: 255									
100% FULFILLED	0	1	0	0	0	0	0	0	1
Minimum: 203									
80% FULFILLED	0	0	0	0	0	0	0	0	0
Actual if Below 80% Value	0.42		0.47	0.47	0.47	0.47	0.47	0.47	3.24

Sectional Percentage 4.24  
**53%**  
 Entire Warrant 1 Percentage **53%**

**WARRANT 2  
 MAJOR STREET BOTH APPROACHES**

HOUR ENDING	PERCENTAGE WARRANT								TOTAL
	AM Peak	PM Peak							
Volumes	2097	2502	1150	1150	1150	1150	1150	1150	
Minimum: 900									
100% FULFILLED	1	1	1	1	1	1	1	1	8
Minimum: 720									
80% FULFILLED	0	0	0	0	0	0	0	0	0
Actual if Below 80% Value									-

Sectional Percentage 8.00  
**100%**

**TRAFFIC CROSSING MAJOR STREET**

HOUR ENDING	PERCENTAGE WARRANT								TOTAL
	AM Peak	PM Peak							
Volumes	86	389	119	119	119	119	119	119	
Minimum: 75									
100% FULFILLED	1	1	1	1	1	1	1	1	8
Minimum: 60									
80% FULFILLED	0	0	0	0	0	0	0	0	0
Actual if Below 80% Value									-

Sectional Percentage 8.00  
**100%**  
 Entire Warrant 2 Percentage **100%**

ARE SIGNALS WARRANTED AT THIS INTERSECTION?: YES