

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**

	PERCENTAGE WARRANT								TOTAL
HOURLY ENDING	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

	PERCENTAGE WARRANT								TOTAL
HOURLY ENDING	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

Entire Warrant 1 Percentage 24%

WARRANT 2**MAJOR STREET BOTH APPROACHES**

	PERCENTAGE WARRANT								TOTAL
HOURLY ENDING	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

	PERCENTAGE WARRANT								TOTAL
HOURLY ENDING	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

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**

	PERCENTAGE WARRANT								TOTAL
HOUR ENDING	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

	PERCENTAGE WARRANT								TOTAL
HOUR ENDING	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

Entire Warrant 1 Percentage 53%

WARRANT 2**MAJOR STREET BOTH APPROACHES**

	PERCENTAGE WARRANT								TOTAL
HOUR ENDING	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

	PERCENTAGE WARRANT								TOTAL
HOUR ENDING	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