



CITY OPERATIONS - PUBLIC WORKS

All-way Stop Warrants Conforming to OTM Book 5, Mar. 2000

For the Intersection of JACK ASHTON AVENUE @ ROLLINGHILL ROAD, Based on the Study Done Jun 19, 2018

Warrant	Justification	Required Value	Conditions satisfied?	
			Section	Warrant
Arterial/Major Road Conditions must be satisfied for: All hours	1. Vehicle Volume on all approaches, for each of the heaviest hours	> 500	No	No
	2. Combined Vehicle and Pedestrian Volume crossing the major road, for each of the same hours	> 200	No	
	3. Percentage of Vehicle Volume split on the major road, for each of the same hours	< 70	No	
Local Road (4-leg intersection) Conditions must be satisfied for: All hours	1. Vehicle Volume on all approaches, for each of the heaviest hours	> 350	No	No
	2. Percentage of Vehicle Volume split on the major road, for each of the same hours	< 65	No	
Collision Experience	1. Total reported collisions of types susceptible to correction by an all-way stop control per 12-month period averaged over 36 months	>= 4	---	No

Attachment 1
SRPI.21.018

Justification Details

Warrant 1 - Arterial/Major Road

1 - Vehicle Volume on all approaches

	08:00	09:00	16:00	17:00	18:00	--:--	--:--	--:--	Total	Average
Vehicle Volume all approaches	142	523	296	183	305	---	---	---	1,449	290
Vehicle Volume all approaches > 500	no	yes	no	no	no	---	---	---		

Conditions are not satisfied

2 - Combined Vehicle and Pedestrian Volume crossing the major road

	08:00	09:00	16:00	17:00	18:00	--:--	--:--	--:--	Total	Average
Vehicle Volume	28	35	19	20	24	---	---	---	126	25
Pedestrian Volume	3	62	90	6	87	---	---	---	248	50
Veh./Ped. crossing major road	31	97	109	26	111	---	---	---	374	75
Veh./Ped. crossing major road > 200	no	no	no	no	no	---	---	---		

Conditions are not satisfied

3 - Percentage of Vehicle Volume split on the major road

	08:00	09:00	16:00	17:00	18:00	--:--	--:--	--:--	Total	Average
Vehicle Volume major approach	114	488	277	163	281	---	---	---	1,323	265
% of Volume split on major app.	80	93	94	89	92	---	---	---		90
% of Volume split on major app. < 70	no	no	no	no	no	---	---	---		

Conditions are not satisfied

An ALL-WAY STOP condition WOULD NOT BE recommended under the Arterial/Major Road warrant

Warrant 2 - Local/Minor Road

1 - Vehicle Volume on all approaches

	08:00	09:00	16:00	17:00	18:00	--:--	--:--	--:--	Total	Average
Vehicle Volume all approaches	142	523	296	183	305	---	---	---	1,449	290
Vehicle Volume all approaches > 350	no	yes	no	no	no	---	---	---		

Conditions are not satisfied

2 - Percentage of Vehicle Volume split on the major road

	08:00	09:00	16:00	17:00	18:00	--:--	--:--	--:--	Total	Average
Vehicle Volume major approach	114	488	277	163	281	---	---	---	1,323	265
% of Volume split on major app.	80	93	94	89	92	---	---	---		90
% of Volume split on major app. < 65	no	no	no	no	no	---	---	---		

Conditions are not satisfied

An ALL-WAY STOP condition WOULD NOT BE recommended under the Local/Minor Road warrant

Warrant 3 - Collision Experience

Number of reportable collisions (last 36 months) susceptible to correction by an all-way stop control 0

Annual collision average 0

Annual collision average ≥ 4 No

An ALL-WAY STOP condition WOULD NOT BE recommended under the Collision warrant
