Appendix G

Traffic Control Signal Warrant

Intersection: Saw Whet Boulevard @ Bronte Road

Major Street:	North-South	Lanes:	2+
Minor Street:	East-West	Lanes:	1
Urban/Rural:	Urban		
Legs:	4		

New/Existing Intersection: New

Scenario: 2031 Future Total

	NBL	NBT	NBR	SBL	SBT	SBR	EBL	EBT	EBR	WBL	WBT	WBR
AHV	22	1044	57	32	1259	8	9	0	26	68	0	39
AM	21	1312	52	30	3378	7	21	0	63	169	0	95
PM	66	2863	174	99	1656	23	14	0	40	104	0	59

1 1

Saw Whet Boulevard @ Bronte Road
2031 Future Total

Justification #7

Justification	Description	Minimum Requirement 1 Lane Highway		Minimum Requirement 2 or More Lanes		Compliance Sectional		Compliance Entire %	Signal
		Free Flow	Restr. Flow	Free Flow	Restr. Flow	Numerical	%		
1. Minimum Vehicular Volume	A. Vehicle volume, all approaches (average hour)	480	720	600	900	2562	285%	83%	No
	B. Vehicle volume, along minor streets (average hour)	120	170	120	170	141	83%		
2. Delay to Cross Traffic	A. Vehicle volumes, major street (average hour)	480	720	600	900	2420	269%	124%	No
	B. Combined vehicle and pedestrian volume crossing artery from minor streets (average hour)	50	75	50	75	93	124%		

Notes
1. Refer to OTM Book 12, pg 92, Mar 2012
2. Lowest section percentage governs justification
3. Average hourly volumes estimated from peak hour volumes, AHV = PM/2 or (AM + PM) / 4, including amplifcation factors
4. T-intersection factor corrected, applies only to 1B
5. Correction to 2B, as per MTO and City of Ottawa, for '2 or More Lanes' has been applied