

**Appendix M:
Signal Warrant Analysis**

TRAFFIC SIGNAL WARRANTS - Hudson Street/Broadway

WARRANT 3 - PEAK HOUR VEHICULAR VOLUME

This signal warrant shall be applied only in unusual cases, such as office complexes, manufacturing plants, industrial complexes, or high-occupancy vehicle facilities that attract or discharge large numbers of vehicles over a short time period.

Applicable: Yes No
 Satisfied: Yes No

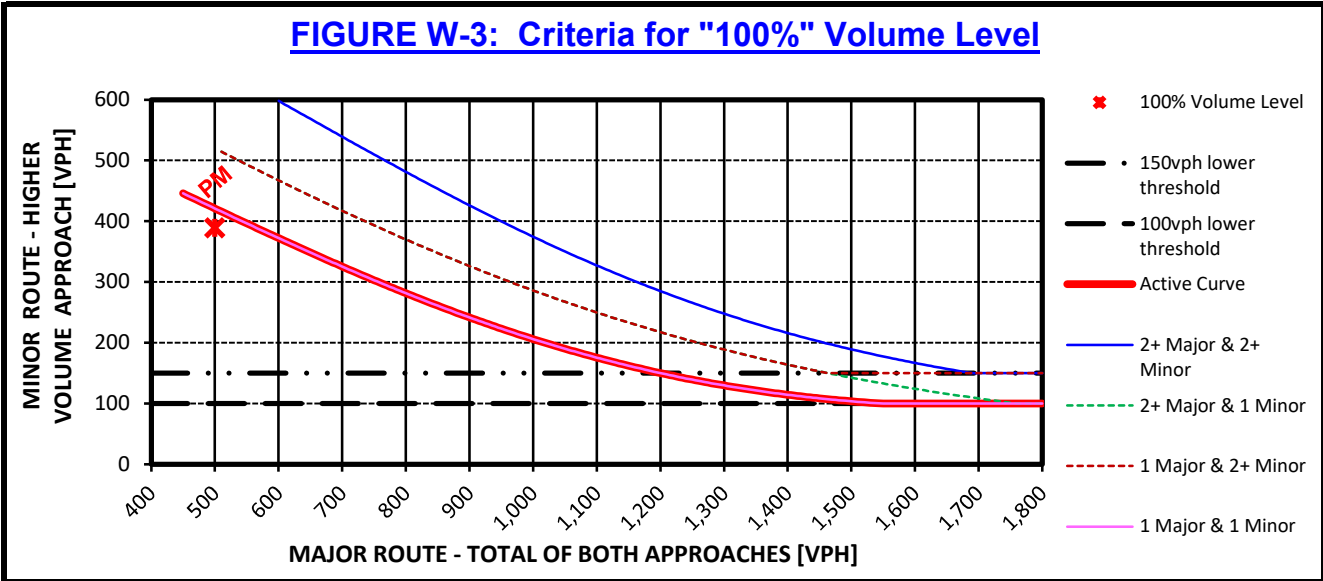
Signalization shall be considered if a point lies above the appropriate line or the Delay criteria is met.

Unusual case(s) justifying this Warrant:

Test

Peak Hour Data		
Peak Hour	Major Route	Minor Route
PM	500	389

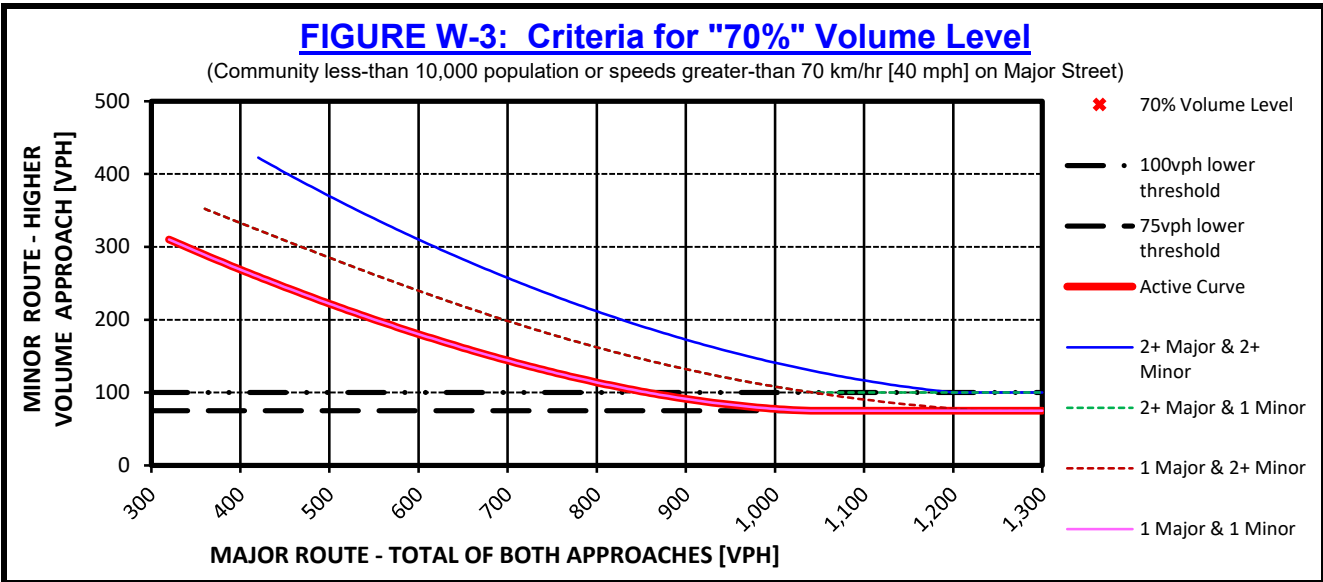
FIGURE W-3: Criteria for "100%" Volume Level



* Note: 150 vph applies as the lower threshold volume for a minor route approach with two or more lanes and 100 vph applies as the lower threshold volume threshold for a minor route approach with one lane.

FIGURE W-3: Criteria for "70%" Volume Level

(Community less-than 10,000 population or speeds greater-than 70 km/hr [40 mph] on Major Street)



* Note: 100 vph applies as the lower threshold volume for a minor route approach with two or more lanes and 75 vph applies as the lower threshold volume threshold for a minor route approach with one lane.

DELAY CRITERIA	1. Delay on Minor Approach (vehicle-hours)				2. Volume on Minor Approach (veh/hr)				3. Total Entering Volume (veh/hr)					
	Approaches		Lanes		Approaches		Lanes		Number of Approaches		Volume Criteria			
	Approaches	1	2	Approaches	1	2	3		X 4 or more		No. of Approaches	3	4	
	Delay Criteria:	4.0	5.0	Volume Criteria		150	Volume Criteria		650	800	Volume:		4,190	
Delay:			Volume:			Fullfilled?	X	Yes		NO	Fullfilled?	X	Yes	NO
Fullfilled?	Yes	X NO	Fullfilled?	Yes	X NO	Fullfilled?	X	Yes		NO	Fullfilled?	X	Yes	NO