



Traffic Signal Study

Borough:	Main Street	Cross Street	
Queens	Beach 17th Street	Brookhaven Avenue/Caffrey Avenue	
School Location ?	Yes	Log #	Reference #
		CQ15-0469-I2	DOT-258485-G5Q3
			CB#
			14
Dates / Times Data Collected:			
Morning Peak Hour		7:15 AM - 8:15 AM	11/4/2015
Midday Peak Hour		2:45 PM - 3:45 PM	11/4/2015
Evening Peak Hour		3:45 PM - 4:45 PM	11/4/2015
NYPD Crash Data Time Period Analyzed			
Sunday, November 25, 2012		-	Wednesday, November 25, 2015

SUMMARY OF TRAFFIC SIGNAL WARRANTS:

One or more warrants must be met for a traffic signal to be approved.

Warrant 1, Eight-Hour Vehicular Volume - for each of any 8 hours of an average day, there is a heavy volume of intersecting traffic, or the traffic volume on a major street is so heavy that traffic on a minor intersecting street suffers excessive delay or conflict in entering or crossing the major street.

Warrant 2, Four-Hour Vehicular Volume - for each of any 4 hours of an average day, there is a heavy volume of intersecting traffic.

Warrant 3, Peak Hour - for a minimum of 1 hour of an average day, the minor-street traffic suffers undue delay when entering or crossing the major street.

Warrant 4, Pedestrian Volume - the traffic volume on a major street is so heavy that pedestrians experience excessive delay in crossing the major street.

Warrant 5, School Crossing - The number of adequate gaps in the traffic stream during the period when schoolchildren are using designated school crosswalks on the major street must be less than the number of minutes in the same period and there are a minimum of 20 school children during the highest crossing hour.

Warrant 6, Coordinated Signal System - a signal is necessary as part of a coordinated signal system to maintain proper platooning of vehicles.

Warrant 7, Crash Experience - the severity and frequency of preventable crashes that have occurred within a 12-month period reduce the thresholds in the vehicle volume warrants.

Warrant 8, Roadway Network - a signal might be justified to encourage concentration and organization of traffic flow on a roadway network when two or more major routes intersect.

Warrant 9, Intersection Near a Grade Crossing - there is proximity to the intersection of a grade crossing on an intersection approach controlled by a STOP or YIELD sign and heavy vehicle volumes.

MULTI-WAY STOP CRITERIA:

Multi-way stop control is used where the volume of traffic on the intersecting roads is approximately equal. There must be five or more reported preventable crashes in a 12-month period.