

Baez, Jenny

From: Baez, Jenny
Sent: Tuesday, October 06, 2015 11:47 AM
To: Kalb, Keith
Cc: Athanailos, Ernest; Merced, Laura; Borock, Alan; Moran, Constance
Subject: RE: Astor and Holland Avenue close-outs

Keith,

Here is the contents of the report:

The most commonly used vehicle volume warrant requires 500 vehicles per hour [vph] on the major roadway and 150 vph on the minor roadway [or 750 vph on the major and 75 vph on the minor] for each of any eight hours of an average day. At the intersection of Astor and Holland Avenues, A.M. peak hour volumes were 358 vph on the major [Astor Avenue] and 40 vph on the minor [Holland Avenue], school dismissal peak hour volumes were 330 vph on the major and 58 vph on the minor, and in the P.M. peak they were 393 vph on the major and 44 vph on the minor.

Since this intersection has school crosswalks we also applied the School Crossing Warrant [Warrant 5]. Our study found 238 pedestrians crossing Astor Avenue in the A.M. peak, 221 pedestrians crossing at dismissal and 170 crossing in the P.M. peak, however, there were in excess of 100 adequate gaps [in the traffic stream of Astor Avenue] to make a safe crossing for all three of these hours.

The 85th percentile speeds were 24 and 23 mph in the westbound and eastbound directions respectively, which are not excessive.

We were only able to document two preventable accidents within a 12 month period [between January 2014 and January 2015]. To date there are two accidents in 2015 and there were seven accidents in 2013 (two of those accidents involving parked vehicles).

Please let us know if you need additional information.

Jenny Baez, P.E

*Chief, Intersection Control Unit and Count Shop
NYCDOT Traffic & Planning
34-02 Queens Boulevard, 1st Floor
Long Island City, NY 11101
T: 212-839-3114 F: 212-839-2995
BlackBerry: 929-214-8149*

----- Original message -----

From: "Kalb, Keith"
Date: 10/05/2015 1:34 PM (GMT-05:00)
To: "Borock, Alan" , "Athanailos, Ernest"
Cc: "Moran, Constance"
Subject: FW: Astor and Holland Avenue close-outs

AI:

Can we provide additional details for this study? Please advise.