



Teaneck Police Department

Inter-Office Communication



To: Chief Glenn M. O'Reilly

Date: May 29, 2018

Subject: Garrison Avenue Traffic Study

On Tuesday, April 17, 2018, Chief O'Reilly advised me to conduct a speed and volume study on Garrison Avenue in the area of Beatrice Street after receiving a request for the radar trailer sign from Councilman Mark Schwartz. In response, the Traffic Bureau placed the radar trailer sign in display mode on Garrison Avenue southbound by Beatrice Street for approximately two weeks. I then conducted a speed and volume study, sight survey and five-year crash history of the intersection.

Garrison Avenue is a 25 MPH residential street that runs between Cedar Lane and the Route 4 overpass. Garrison Avenue traffic has the right of way and intersecting streets are controlled by stop signs.

The existing Stop signs are large and single sided with red reflective strip u-channel sign posts. The bushes on the northeast corner are slightly overgrown obstructing the view of the Stop sign for westbound Beatrice Street traffic. The Traffic Bureau has notified the health department of the sight line obstruction. The Traffic Bureau has asked the DPW to make the existing Stop signs double sided and add Stop ahead signs on both sides of the intersection.

A five-year crash history of the intersection found six reported crashes:

Year

- 2014- 2
- 2015-0
- 2016-2
- 2017-0
- 2018- 2

Direction

- Garrison Avenue southbound and Beatrice Street eastbound – 3 crashes
- Garrison Avenue southbound and Beatrice Street westbound- 1 crash
- Garrison Avenue northbound and Beatrice Street eastbound- 1 crash
- Garrison Avenue northbound and Beatrice Street westbound- 1 crash

Lighting

- Daylight- 5 crashes

- Nighttime- 1 crashes

On Monday, May 21, 2018 at approximately 11:00 am, Officer William Brittingham placed the Speed Sentry traffic analyzer by 957 Garrison Avenue. The analyzer was positioned to detect vehicles traveling northbound. The traffic analyzer was retrieved by Officer Brittingham approximately one week later.

The results of the covert study which spanned from May 21, 2018 through May 28, 2018 indicated that the average speed of vehicles detected was 26 MPH. Over the seven days of the study, 17,840 vehicles were detected by the traffic analyzer, an average northbound volume of 2,549 vehicles per day.

The 85th percentile speed was recorded at 31 MPH. Six hundred and forty (640) of the 17,840 vehicles detected were exceeding the 25 MPH speed by 11 MPH to 15 MPH or between 36 MPH and 40 MPH. Seventy-three (73) vehicles were exceeding the speed limit by 16 MPH to 20 MPH. Eleven (11) vehicles were exceeding the speed by 21 MPH to 25 MPH. Only two vehicles were detected exceeding the speed limit by 26 MPH to 35 MPH with a top speed detected of 46 MPH.

Based on the investigation conducted, the Traffic Bureau does not find a significant speed problem in this area but rather, a significant volume of traffic. The average northbound traffic volume of 2,549 vehicles per day indicates a total daily volume of over 5,000 vehicles per day when factoring southbound traffic.

The Traffic Bureau conducts monitoring and enforcement in this area on a regular basis and will continue to do so.

If you require any further information, please advise.

Respectfully submitted,

Lieutenant Tanya Balser
Lieutenant Tanya Balser
Traffic Bureau Commander