



UPPER MORELAND POLICE

Quigley Avenue and Nash Avenue Traffic Study
December 2010

Initial Complaint:

A neighborhood resident reported a concern that 4-way stop signs at Quigley Avenue and Nash Avenue would be more effective at preventing crashes than the existing 2-way stop signs. Complaints have also been received regarding speeding in the area.

Description of Area:

The intersection of Quigley Avenue and Nash Avenue is in the Willow Grove section of Upper Moreland Township. The intersection is controlled by a two way stop sign for traffic travelling on Nash Avenue. Quigley Avenue traffic has the right of way and no traffic control signals. The neighborhood consists of residential properties with on-street parking and is posted at 25 mph.

Data Gathering Method:

Speed/volume counters were placed on Quigley Avenue approximately 25 feet from the intersection for a period of seven days.

Hazardous Factors:

Evaluating the speed of vehicles, the volume of traffic, and the total number of crashes assists in determining the level of response necessary to address the public safety concern.

The speed of vehicles using the Quigley Avenue corridor indicated that less than .5% of the vehicles using that roadway met the threshold for enforcement. During the week of data collection, 10 vehicles exceeded the enforcement threshold.

During the study period, 3845 vehicles used the Quigley Avenue corridor.

In the last five years, there have been six crashes at the intersection. Five of the crashes were as a result of stop sign violations. The sixth was caused by a drunk driver.

Analysis:

Speed data for the Quigley Avenue corridor does not support the concern that an immediate need exists for intervention. The location will continue to receive attention from the zone officer.

The state's standard for approving stop signs for intersections with crash problems requires 5 or more crashes in a 12-month period. Based on crash data, this location would not meet the state standard for additional stop signs.

A two week directed patrol assignment was conducted that resulted in 1,067 minutes of attention being directed at the intersection of Quigley Avenue and Nash Avenue. During the nearly 18 hours of enforcement at that location, a total of nine violations were observed.

Response:

All Police Department personnel will be notified of this complaint and the resulting study. The zone car will conduct periodic enforcement for stop sign violations.

"2 Way Only" signs will be posted under the stop signs at the intersection of Quigley Avenue and Nash Avenue.

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