



UPPER MORELAND POLICE

Masons Mill Road Traffic Study September 2015

Initial Complaint:

A resident reported that vehicles speed on Masons Mill Road at all times of the day. The violations reported take place near Masons Mill Park, as well as, between the two curves.

Description of Area:

Masons Mill Road is located in the northeast corner of Upper Moreland Township. It serves as a border road between Upper Moreland Township and Bryn Athyn Borough. Masons Mill Road connects Byberry Road (SR 2009) and Huntingdon Road. The roadway runs north and south and contains two sharp turns. Masons Mill Road contains residential homes, Masons Mill Park, and a business complex. There are no sidewalks and the speed limit is 25 mph.

Data Gathering Method:

September 2015: Speed/volume counters were placed on Masons Mill Road for a period of seven days in front of Masons Mill Park.

December 2015: Speed/volume counters were placed on Masons Mill Road for a period of seven days in front of 3100 Masons Mill Road displaying feedback.

May 2016: Speed/volume counters were placed on Masons Mill Road for a period of seven days in front of 3350 Masons Mill Road.

June 2016: Speed/volume counters were placed on Masons Mill Road for a period of seven days in front of 3350 Masons Mill Road displaying feedback.

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.

During the first seven day period (September 2015), the speed of vehicles using this section of Masons Mill Road indicated that 23.26% of vehicles met the threshold for enforcement. The 85th percentile speed for vehicles on this section of Masons Mill Road is 35.41 mph.



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During the second seven day period (December 2015), the speed of vehicles using this section of Masons Mill Road indicated that 27.70% of vehicles met the threshold for enforcement. The 85th percentile speed for vehicles on this section of Masons Mill Road is 37.12 mph. **Note: Speed Feedback Displayed.**

During the third seven day period (May 2016), the speed of vehicles using this section of Masons Mill Road indicated that 7.67% of vehicles met the threshold for enforcement. The 85th percentile speed for vehicles on this section of Masons Mill Road is 32.93 mph.

During the fourth seven day period (June 2016), the speed of vehicles using this section of Masons Mill Road indicated that 3.59% of vehicles met the threshold for enforcement. The 85th percentile speed for vehicles on this section of Masons Mill Road is 31.78 mph. **Note: Speed Feedback Displayed.**

Analysis:

Based on the data collected, speed appears to be an issue on Masons Mill Road between Byberry Road and Buttonwood Lane. Speed does not appear to be an issue between the two curves on the section of roadway in front of the residential homes. Speed of vehicles traveling between 3340 Masons Mill Rod and Huntingdon Road were not evaluated during this study. The average speed of the four studies conducted was 30.08 mph.

Based on the 85th percentile speed, increasing the speed limit to 35 mph is appropriate for Masons Mill Road between Byberry Road and Buttonwood Lane; and, 30 mph between the two curves on Masons Mill Road. Raising the speed limit to 35 mph and 30 mph, respectively, may increase the average speed and result in more motor vehicle crashes.

Crash reports do not indicate that there is an existing public safety hazard on this section of roadway.

Response:

Directed patrols for speed on Masons Mill Road will continue to be initiated at random. Officers will conduct enforcement efforts as time permits. The police department does not recommend increasing the speed limit on Masons Mill Road at this time.