



# UPPER MORELAND POLICE

## **Sampson and Patterson Avenues**

### **Traffic Study January 2016**

#### ***Initial Complaint:***

A resident reported that vehicles speed at all times of the day on Sampson Avenue and do not stop for the stop sign at Sampson and Patterson Avenues. There is a concern for the safety of the children at the bus stop at this intersection, and those that play outside.

#### ***Description of Area:***

The intersection of Sampson and Patterson Avenues is located in a residential area in the center of Upper Moreland Township. Sampson Avenue runs east and west from its dead end to York Road (SR 0263). Patterson Avenue is offset by Sampson Avenue and runs north and south from Crown Street to Beechwood Road. The speed limit for both roadways is 25 mph. Residential homes line both sides of the roadway and the roadway is wide enough to accommodate on street parking on one side of the street.

#### ***Data Gathering Method:***

Speed/volume counters were placed on three (3) sides of Sampson and Patterson Avenues for a period of seven days each. A directed patrol for stop sign violations was conducted for a two week period. Crash data was gathered and evaluated for a five year period.

#### ***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 traveling on Patterson Avenue (south leg) near the intersection with Sampson Avenue indicated that 0.55% of vehicles met the threshold for enforcement. The 85<sup>th</sup> percentile speed for vehicles on this section of Patterson Avenue is 22.94 mph. During the study period, 2,533 vehicles traveled on this section of Patterson Avenue.

The speed of vehicles traveling on Patterson Avenue (north leg) near the intersection with Sampson Avenue indicated that 0.05% of vehicles met the threshold for enforcement. The 85<sup>th</sup> percentile speed for vehicles on this section of Patterson Avenue is 19.11 mph. During the study period, 1,785 vehicles traveled on this section of Patterson Avenue.



## UPPER MORELAND POLICE

The speed of vehicles traveling on Sampson Avenue (east leg) near the intersection with Patterson Avenue indicated that 0.27% of vehicles met the threshold for enforcement. The 85<sup>th</sup> percentile speed for vehicles on this section of Sampson Avenue is 17.39 mph. During the study period, 15,091 vehicles traveled on this section of Sampson Avenue.

The speed of vehicles traveling on Sampson Avenue (west leg) was not evaluated due to its status as a dead end street with few residences.

Based on the data collected, the "major" roadway is Sampson Avenue, and the "minor" roadway is Patterson Avenue.

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

Directed patrols do not indicate that a significant number of violations occur at the stop sign at Sampson and Patterson Avenues.

### ***Analysis:***

At this time, speeding is not an issue near the intersection of Sampson and Patterson Avenues. The average speed of vehicles traveling on Patterson Avenue (south leg) is 18.43 mph, Patterson Avenue (north leg) is 17.09 mph, and Sampson Avenue (east leg) is 14.45 mph. Stop sign violations are not an issue at Sampson and Patterson Avenues.

### ***Response:***

This location does not require enhanced patrol at this time.