

**Cleveland Avenue between Buchanan Street to City Limits**

| <i>Segment From:</i> | <i>To:</i>  | <i>Posted Limits:</i> | <i>Proposed Limits:</i> | <i>85<sup>th</sup> Percentile Speeds:</i> | <i>Num. of Collisions</i> | <i>Collision Rate (ACC/MVM):</i> |
|----------------------|-------------|-----------------------|-------------------------|---|---------------------------|----------------------------------|
| Buchanan Street      | City Limits | N/A                   | 25 mph                  | 31.3 mph                                  | 24                        | 5.61                             |

**Conditions**

This segment of Cleveland Avenue is striped for two lanes and it is 32 feet wide. This segment of Cleveland Avenue is approximately 3800 feet long and it does not have any posted speed limit signs. The posted speed limit on Cleveland Avenue in City of Richmond is 30 mph. This segment consists of residential frontage, open space, and commercial. The road has horizontal curve north of I-80 exit ramp, few driveways and has sidewalks in front of the residential areas. There are no signals or stop signs and the pedestrian traffic is low. Truck traffic is moderate along the roadway. Parking is allowed on the east side of Cleveland Street from Buchanan Street to I-80 SB Exit and on the west side from I-80 SB Exit to the Albany City Limits. Cleveland Street carries approximately 4,405 vehicles per day in the study area. A speed survey was conducted on September 14, 2007 and the 85<sup>th</sup> percentile speed was measured at 31.3 mph.

**Comments and Recommendations**

The 85<sup>th</sup> percentile speed indicates a 30 mph speed limit. However, there were 24 collisions reported on this roadway segment within a period of four (4) years, equating to a higher than expected collision rate of 5.61 ACC/MVM. Based on a higher than expected accident rate, a downgrading of the 85<sup>th</sup> percentile speed by 5 mph is justified. Therefore, it is recommended that the posted speed limit be 25 mph.

In addition, based on the field review, it is recommended that speed limit signs be installed in both directions along the route.