

**Eastshore Highway between Buchanan Street and 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	25 mph	25 mph	30.8 mph	4	1.38

**Conditions**

This segment of Eastshore Highway is striped for two lanes with parking on one side of the street and is 32 feet wide. This segment of Eastshore Highway is approximately 2660 feet long and the posted speed limit is 25mph. The land use is primarily business with a retail store on the north end of the segment. This roadway segment is adjacent to I-580/80 freeway with no sidewalks and has a horizontal curve north of the shopping center entrance. The road has few driveways, low pedestrian traffic and moderate truck traffic. There is a Class II bike lane which starts from Buchanan Avenue and ends at the Target driveway. Parking for the commercial vehicles is restricted from 2AM to 5AM. This roadway segment has one stop sign at Harrison Street and a traffic signal at the Target entrance. Eastshore Highway carries approximately 3,935 vehicles per day in the study area. A speed survey was conducted on September 18, 2007 and the 85<sup>th</sup> percentile speed was measured at 30.8 mph.

**Comments and Recommendations**

The 85<sup>th</sup> percentile speed suggests a 30 mph speed limit and the collision rate is below the expected rate for this road type. However, the 10 mph pace is from 20 mph to 29 mph and the suggested speed limit does not fall within this range. Since the speed limit should typically fall within the 10 mph pace, a downgrading of 85<sup>th</sup> percentile speed by 5 mph is justified. Therefore, it is recommended that the posted speed limit remain at 25 mph.