

# CITY OF FREMONT

## ENGINEERING AND TRAFFIC SURVEY

87

**STREET:** Mowry Avenue  
**FROM:** Argonaut Way

**SURVEY DATE:** 3/10/2015  
**TO:** I-880

### SPEED DATA

<b>Location of Speed Survey</b>	4633 Mowry Ave	<b>Posted Speed Limit</b>	40 mph
<b>Time of Speed Survey</b>	12:10 PM - 12:50 PM	<b>Recommended Speed Limit</b>	45 mph
<b>50th Percentile Speed (Mean Speed)</b>	41.8 mph	<b>Speed Limit Change</b>	Yes
<b>85th Percentile Speed</b>	47.5 mph	<b>Speed Justification</b>	85th-percentile speed
<b>10 mph Pace Speed</b>	37 - 46 mph		
<b>Percentage of Vehicles in Pace</b>	75.5%		
<b>Number of Survey Samples</b>	229		

### COLLISION HISTORY

<b>Number of Years Studied</b>	4
<b>Total Collisions</b>	11
<b>Collision Rate (ACC/MVM)</b>	0.14
<b>Expected Collisions (ACC/MVM)</b>	1.55

### TRAFFIC FACTORS

<b>Average Daily Traffic</b>	42,220
<b>Type of Traffic Control</b>	Traffic signals at I-880 NB ramps, I-880 SB ramps, Blacow Rd, Glenview Dr, Logan Dr, and Argonaut Way
<b>Pedestrian Traffic</b>	Low
<b>Truck Traffic</b>	Low

### ROADWAY CHARACTERISTICS

<b>Length of Segment</b>	6882'
<b>Width</b>	86'
<b>Number of Lanes</b>	NB - 3      SB - 3
<b>Street Classification</b>	Arterial
<b>Divided Median?</b>	Yes
<b>Designated Bike Route?</b>	Yes
<b>Bike Lanes?</b>	Yes
<b>Uncontrolled Crosswalks?</b>	No
<b>On-Street Parking?</b>	No
<b>Sidewalks?</b>	No
<b>Driveways?</b>	Few
<b>Vertical Curve</b>	None
<b>Horizontal Curve</b>	None
<b>Visibility</b>	Good
<b>Pavement Condition</b>	Good
<b>Adjacent Land Use</b>	Non-fronting residential and commercial

### COMMENTS

The 85th-percentile speed of 47.5 mph indicates a 45 mph speed limit. The 10 mph pace ranges from 37 mph to 46 mph and the suggested speed limit falls within this range. The collision rate is below the expected rate. Based on the 85th-percentile speed, it is recommended that the posted speed limit be increased to 45 mph.

Approved and Authorized for release by City of Fremont, CA:

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Date

