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CITY OF FREMONT ENGINEERING AND TRAFFIC SURVEY

STREET: Mowry Avenue SURVEY DATE: 3/10/2015 FROM: TO: Argonaut Way I-880 **SPEED DATA Location of Speed Survey** 4633 Mowry Ave **Posted Speed Limit** 40 mph Time of Speed Survey Recommended Speed Limit 45 mph 12:10 PM - 12:50 PM 50th Percentile Speed (Mean Speed) 41.8 mph **Speed Limit Change** Yes 85th-percentile speed 85th Percentile Speed Speed Justification 47.5 mph 10 mph Pace Speed 37 - 46 mph Percentage of Vehicles in Pace 75.5% **Number of Survey Samples** 229 **COLLISION HISTORY Number of Years Studied** 4 **Total Collisions** 11 Collision Rate (ACC/MVM) 0.14 **Expected Collisions (ACC/MVM)** 1.55 TRAFFIC FACTORS **Average Daily Traffic** 42,220 Type of Traffic Control Traffic signals at I-880 NB ramps, I-880 SB ramps, Blacow Rd, Glenview Dr, Logan Dr, and Argonaut Way **Pedestrian Traffic** Low Truck Traffic Low **ROADWAY CHARACTERISTICS** Length of Segment 6882' Width 86' **Number of Lanes** NB - 3 **SB-3** Street Classification Arterial **Divided Median?** Yes **Designated Bike Route?** Yes Bike Lanes? Yes **Uncontrolled Crosswalks?** No On-Street Parking? No

COMMENTS

Sidewalks?

Driveways?

Visibility

Vertical Curve

Horizontal Curve

Pavement Condition

Adjacent Land Use

Nο

Few

None

None

Good

Good

Non-fronting residential and commercial

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:		
	Date	

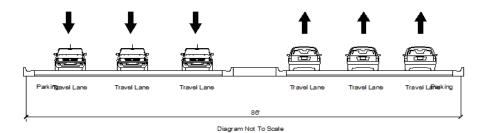
City of Fremont

Transportation Engineering Division

Street Name: Mowry Avenue Limits: Argonaut Way to I-880

Typical

Cross-section



Radar Survey Sheet X = North / = South70 0 0 0.4% 100.0% 0 0 65 0 0 0 0 0 60 0 0 0 2 0.9% 99.6% 0.4% 98.7% 1 55 0.4% 98.3% 2 0.9% 97.8% 1 0.4% 96.9% 4 96.5% 1.7% Х 4 1.7% 94.8% 50 4 93.0% X X / / / / / / / / 10 4.4% 91.3% X X X / / / 8 3.5% 86.9% X X X X X X 3.1% 83.4% 5 80.3% 17 7.4% 78.2% 45 X 20 8.7% 70.7% 23 10.0% 62.0% 10.5% 24 52.0% 20 41.5% 8.7% 15 32.8% 6.6% X X X X X X X X X X X X X X X / 23 10.0% 26.2% X X X X X Χ / 16 7.0% 16.2% Χ Χ 10 4.4% 9.2% X X / 3 1.3% 4.8% 35 Χ 3 1.3% 3.5% 1 0.4% 2.2% 1.7% 1.3% 0 0 30 0 0 0.4% 0.4% 1 0 0 25 0 0 0 0 0 0 Total Samples =

85th Percentile Speed: 47.5 mph 50th Percentile Speed: 41.8 mph 15th Percentile Speed: 37.8 mph

10 MPH Pace: 37 - 46

Number in Pace: 173

Percent in Pace: 75.5%

Date of Survey: 3/10/15

Weather: Clear

Pavement Condition: Good
Street Class.: Arterial
Field Study by: ATD / KHA

Start Time: 12:10 PM End Time: 12:50 PM

Posted

Speed: 40 mph