## 75

## CITY OF OAKLAND ENGINEERING AND TRAFFIC SURVEY

STREET: Grand Avenue SURVEY DATE: 10/4/2013
FROM: Lake Park Avenue TO: Wildwood Avenue

SPEED DATA

Location of Speed Survey3655 Grand AvePosted Speed Limit25 mphTime of Speed Survey10:45 AM - 11:35 AMRecommended Speed Limit25 mph50th Percentile Speed (Mean Speed)27.8 mphSpeed Limit ChangeNo

85th Percentile Speed31.8 mphSpeed Justification85th Percentile speed,<br/>downgraded 5 mph due to<br/>high collision rate10 mph Pace Speed24 - 33 mphdowngraded 5 mph due to<br/>high collision rate

Number of Survey Samples 215

**COLLISION HISTORY** 

Number of Years Studied2Total Collisions22Collision Rate (ACC/MVM)3.46Expected Collisions (ACC/MVM)1.99

TRAFFIC FACTORS

Average Daily Traffic 16,125

Type of Traffic Control Traffic Signals at Lake Park Ave, Elwood Ave, Mandana, Blvd, and Wildwood Ave;

PED XING btw Lake Park Ave and Elwood Ave

Pedestrian TrafficHighTruck TrafficLow

**ROADWAY CHARACTERISTICS** 

Length of Segment 2850' Width 78'

Number of Lanes NB - 2 SB - 2

Street Classification Collector
Divided Median? No
Designated Bike Route? No
Bike Lanes? No
Proposed Bike Route? No
Proposed Bike Lane? No

Mid-block Crosswalks? At Weldon Ave, Sunnyslope Ave; Mid-block btw Mandana Ave and Weldon Ave and btw Weldon Ave and Sunnyslope

On-Street Parking? Yes

Sidewalks? Yes - Continuous

Driveways?ManyVertical CurveNoneHorizontal CurveNoneVisibilityGoodPavement ConditionGood

Adjacent Land Use Commercial and Fronting Residential

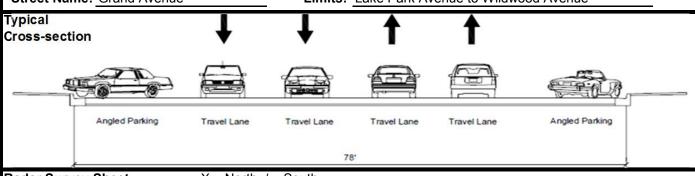
## **COMMENTS**

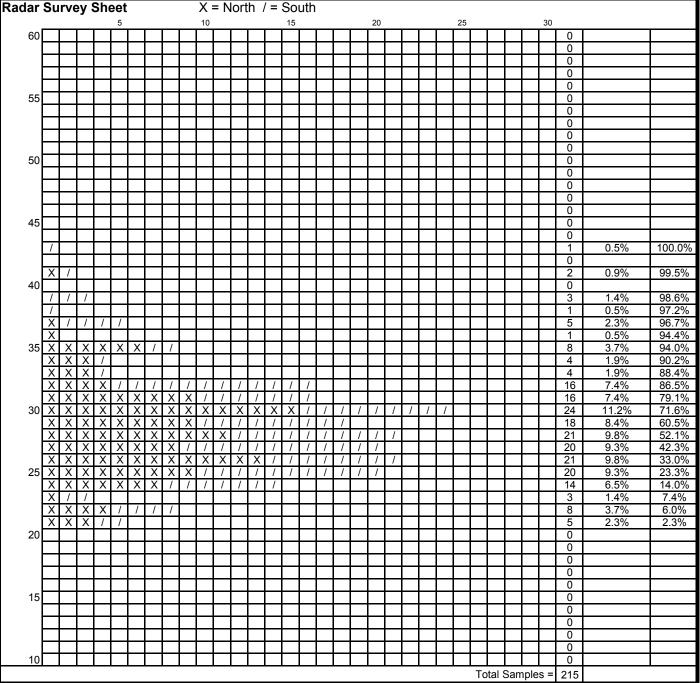
The 85th Percentile speed of 31.8 mph indicates a 30 mph speed limit. The 10 mph pace ranges from 24 mph to 33 mph and the suggested speed limit falls within this range. The collision rate for this segment is above the expected rate. Based on the collision rate, a downgrading of the speed limit by 5 mph is justified. Therefore, it is recommended that the speed limit remains at 25 mph.

Approved and Authorized for release by City of Oakland Transportation Services Division:				
	_			
		Data	100#	

## City of Oakland Transportation Services Division

Street Name: Grand Avenue Limits: Lake Park Avenue to Wildwood Avenue





**85th Percentile Speed:** 31.8 mph **50th Percentile Speed:** 27.8 mph **15th Percentile Speed:** 24.1 mph

**10 MPH Pace**: 24 - 33

Number in Pace: 174
Percent in Pace: 80.9%

Date of Survey: 10/4/13

Weather: Clear
Pavement Condition: Good

Street Class.: Collector
Field Study by: ATD/ KHA

Start Time: 10:45 AM End Time: 11:35 AM

Posted

**Speed:** 25/30 mph