

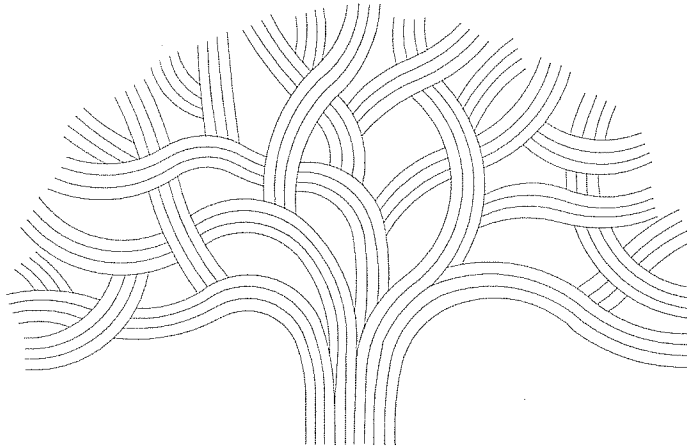
LEVEL OF SERVICE REPORT

FOR:

GRAND AVENUE BYCICLE, PEDESTRIAN & PARKING PROJECT

PREPARED FOR:

CITY OF OAKLAND



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PROJECT NARRATIVE:

The Grand Avenue Bicycle, Pedestrian and Parking Project proposes to provide bicycle lanes along Grand Avenue from Market Street to El Embarcadero. The addition of these lanes require the modification of the existing traffic striping that included the removal and modifications of lanes on Grand Avenue and the intersections in the project area. A model was created to project the effects that the proposed modifications will have on the level of service of the intersections in the project area. Syncro was used to model the system using signal timing provided by the City of Oakland and turning movement volumes collected during midweek AM and PM peak periods.

CONCLUSION:

The proposed modifications will have no significant effect on the operation and service conditions of Grand Avenue in the project area. The level of service in the project area remains "D" or better and the intersections operate under acceptable conditions. We have summarized the results of the analysis below. See the attached data from the existing and proposed AM and PM Peak hour models for additional information.

Level of Service Summary

Intersection	AM Peak Hour				PM Peak Hour			
	Existing	Ave. Delay	Proposed	Ave. Delay	Existing	Ave. Delay	Proposed	Ave. Delay
		sec.		sec.		sec.		sec.
Grand Ave @ San Pablo Ave.	B	10	B	11	C	16	C	17
Northgate Ave.	C	15	C	15	C	18	C	18
Telegraph Ave.	C	18	C	18	D	40	D	40
Broadway Ave.	B	11	B	11	D	28	D	28
Harrison St.	B	15	B	15	B	13	B	13