Bike Counts During 2-Hr Peak*

Intersection on Broadway	Weekday 7am to 9am	Weekday 4pm to 6pm
Ocean View Drive	7	25
Rockridge Boulevard	8	23
Lawton	9	24
Taft	10	27
Virmar	8	23
Kales	8	25
Ada	10	19
Napa	5	18
Broadway Terrace	13	44
College Avenue	49	72

* Total # bikes traveling thru each intersection (i.e., along Broadway and/or turning onto or off of Broadway at that intersection)

Traffic Study Question #6 (Responses by Erin Ferguson, Kittelson Associates)

Current Bicycle Volume - Based on the bicycle volume at the intersections, we estimate during the weekday morning period about 7 to 10 bicyclists riding along Broadway (with some turning onto or off of Broadway at different locations) and about 20 to 25 bicyclists riding along Broadway in the 4pm to 6pm weekday period. College Avenue shows a notably higher number of bicyclists than other parts of the corridor due to bicyclists turning onto and off of Broadway to travel to and from College Avenue.

Expected Change in Bicycle Volume - As a profession, we do not have a means for predicting an increase in bicycle volume, so we do not have a specific number to provide. Contextually, we know there are probably three types of bicyclists that will benefit from the project: 1) People traveling within the neighborhood to get to nearby desitinations such as Rockrigdge BART or resturants, shops on College Avenue; 2) People commuting to downtown Oakland via Broadway would be able to do so via bike with this project and the adjacent project planned for Broadway; and 3) People riding on the weekends to access the bicycle routes and recreational areas in the hills.

Current Motor Vehicle Volume - The average annual daily traffic estimate for Broadway is about 14,500 vehicles per day.

Expected Change in Vehicle Volume - We did not estimate a change in vehicle volume due to the road diet. Some drivers using Broadway as a commuting route to access Highway 24 may seek alternative route when the project is built; we anticipate this to be a minor shift in the volume.

Net change in delay for motor vehicles - The average expected change in delay on average for vehicles traveling along Broadway during the AM weekday peak hour is less than 5 seconds. During the PM weekday peak hour the estimated change in delay on average for vehicles traveling along Broadway is 30 to 40 seconds. The PowerPoint slides from the May 29th meeting summarize the average delay increases expected for the minor street stop-controlled approaches. We did not estimate the amount fuel used per day.

Traffic Study Question #15

During the weekday AM peak hour the combined two-way vehicle volume on Broadway was counted to range from approximately 990 to 1580 vehicles in the peak hour. The range for the bicycle volume was counted as approximately 7 to 10 bicyclists for the two-hour peak. The percentage in the weekday morning approximately 0.25 to 0.5%. During the weekday PM peak hour the combined two-way volume on Broadway ranges, as counted, from approximately 1315 to 1640 vehicles. The range of the bicycle volume was counted as approximately 20 to 25. The percentage in the weekday evening is approximately 0.5 to 1%.

Traffic Study Question #17

We have the number of pedestrians crossing at each intersection during the weekday AM and PM peak at each study intersection. We analyzed the degree to which it is difficult to cross at the four locations where improvements are proposed (Lawton, Taft, Ada, and Kales). The number of pedestrians crossing Broadway at the 12 study intersections during the AM Peak hour analyzed was approximately 210 pedestrians. The number of pedestrians crossing Broadway at the 12 study intersections during the PM Peak hour analyzed was approximately 275 pedestrians.