



Land Use Element Amendment

Advisory Committee
Meeting 11
February 4, 2014

CHAPTER 3 Land Use Element





Intersection Deficiencies





Deficient Intersection Summary

INTERSECTION (NS/EW) ¹	2006 GENERAL PLAN				GENERAL PLAN BASELINE				GENERAL PLAN PROJECT			
	EXISTING LANES ²		GP LANES		EXISTING LANES		GP LANES		EXISTING LANES		GP LANES	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
3. Superior Av. & Coast Hw.	D	C	D	C	F	C	F	C	F	C	F	C
7. Riverside Av. & Coast Hw.	E	E	C	D	F	D	C	D	E	D	C	D
9. MacArthur Bl. & Campus Dr.	C	F	C	D	D	E	A	B	E	E	B	B
11. Von Karman Av. & Campus Dr.	C	E	B	D	C	D	B	C	C	D	B	C
13. Jamboree Rd. & Campus Dr.	E	F	D	D	C	F	C	D	C	F	C	D
14. Jamboree Rd. & Birch St.	E	D	D	C	A	A	A	A	B	B	A	A
15. Campus Dr. & Bristol St. (N)	E	F	C	D	B	E	A	C	B	E	A	C
19. Irvine Av. & Mesa Dr.	F	F	C	D	A	B	A	B	A	B	A	B
20. Irvine Av. & University Dr.	F	F	C	C	C	E	A	C	C	E	A	C
29. MacArthur Bl. & Jamboree Rd.	E	E	D	D	B	D	B	D	C	D	B	D
32. Jamboree Rd. & Bristol St. S.	E	D	D	C	C	B	C	B	D	B	C	B
49. MacArthur Bl. & Ford Rd./Bonita Canyon Dr.	C	E	C	D	C	E	C	D	C	E	C	D
50. MacArthur Bl. & San Joaquin Hills Rd.	C	F	B	D	B	D	A	B	B	D	A	B
53. SR-73 NB Ramps & Bonita Cyn. Dr.	F	C	D	B	C	B	C	B	B	A	B	A
57. Goldenrod Av. & Coast Hw.	E	B	E	B	C	D	C	D	D	D	D	D
59. Marguerite Av. & Coast Hw.	E	E	E	E	C	C	C	C	D	C	D	C
66. Newport Blvd (W) & Coast Hw.	D	C	D	C	F	D	F	D	F	D	F	D

In addition to the deficient intersections mentioned above, 7 intersections with existing lanes and 2 with GP lanes in the City of Irvine experience deficient operations.

Since 2006, additional lanes at several intersections have been constructed, resulting acceptable Level of Service (LOS).
 Newport @ Hospital, MacArthur @ Jamboree, Jamboree @ Bristol St. South.



Traffic Volume Trends

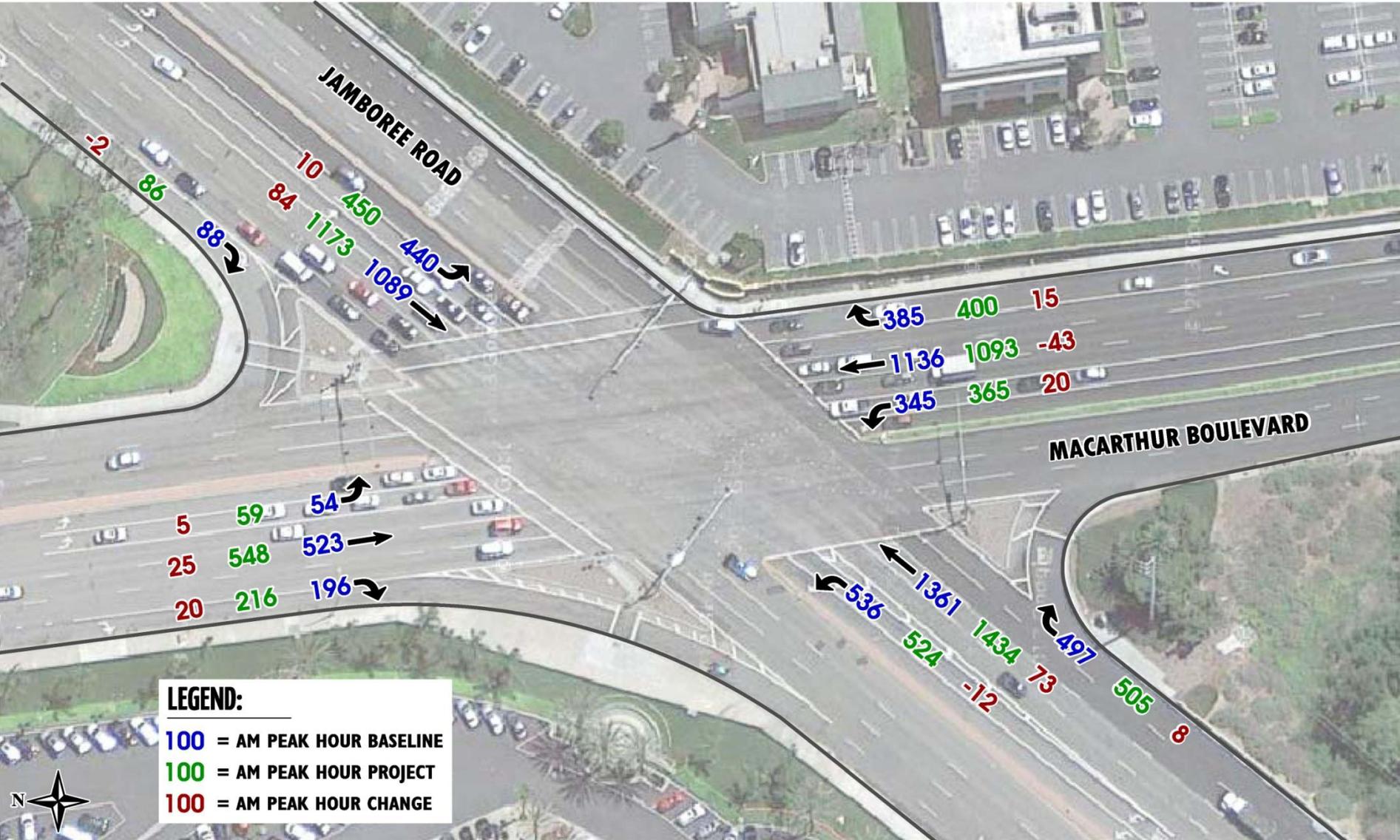
- General Plan Project changes result in the redistribution of peak hour directional traffic movements that generally do not degrade roadway system performance.

- Introducing Residential into mostly Business area causes redistribution of travel patterns. This results in decreases on some movements. Calculated LOS would not necessarily increase.
 - Residential trips: primarily outbound AM, inbound PM
 - Office trips: primarily inbound AM, outbound PM

- Completion of previously recommended intersection improvements (2006 General Plan) leaves only two deficient intersections in Newport Beach (with/without proposed General Plan Land Use Element Amendment):
 - Superior Avenue @ Coast Highway
 - Newport Boulevard (West) @ Coast Highway



Traffic Volume Trends Example





Public Comments

- Adjourn to April 1, 2014 at 3:30 pm