



October 3, 2013

Subject: Transportation Report
 To: AVCA Board of Directors
 From: Dave Fadness

1. **Notice to AVCA Members:** To report city street maintenance needs, use the following link to San Jose's Department of Transportation website: <http://www.sanjoseca.gov/FormCenter/Transportation-22/Department-of-Transportation-Maintenance-141>. To report city street light problems, email a description of the problem and the pole number and/or location to streetlights@sanjoseca.gov. For faster service on city street sewer back-ups, storm flooding, missing or damaged traffic signs, potholes, malfunctioning traffic signals, broken tree limbs, and other non-life threatening emergencies, call San Jose's 24-Hour Emergency Dispatch Center at (408) 794-1900 weekdays 7 a.m. to 4 p.m. or (408) 277-8956 all other times, including weekends and holidays.

Remember

Almaden Expressway is not a city street—it's owned and maintained by the Santa Clara County Roads Department.

2. As reported last month, Bob Strain and I met on September 6 with CSJ's Department of Transportation Director Hans Larsen. In an email today, Hans said the data we collected in our streets survey was very helpful to DOT in understanding "hot spot" issues of concern in Almaden Valley. He has asked his Deputy Directors of Maintenance and Operations to review our report and follow up with us later this month. (Stay tuned.) Hans also said he'd be happy to be a speaker at an upcoming AVCA meeting.

3. TRAFFIC CONGESTION AT INTERSECTIONS IN ALMADEN VALLEY & SOUTH SAN JOSE^(*)

^(*)Note: This information is taken from Santa Clara Valley Transportation Authority's 2012 *Monitoring and Conformance Report* which can be viewed at www.vta.org/inside/boards/committee_advisory/tac/agendas_minutes/2013/04_apr/8.pdf.

INTRODUCTION: To manage the effects of transportation and land use, California State Government Code (1991 Proposition 111) requires the existence of a Congestion Management Program (CMP) for each county. This Program requires that a Congestion Management Plan be established and that all its elements be monitored at least biennially by a designated Congestion Management Agency (CMA) to determine whether Member Agencies (county and city governments) are conforming to the adopted level of service standard.

The Valley Transportation Authority (VTA) is Santa Clara County's CMA. It is charged with monitoring the CMP network. VTA exceeds the state requirement by collecting data each year and producing an annual Monitoring and Conformance Report. Information included on this website is taken from VTA's 2012 report.

LEVEL OF SERVICE DEFINITION: Intersection congestion is measured by an industry standard level of service (LOS), as defined in the following table. Santa Clara County's minimum acceptable standard is LOS "E" (subject to a variety of exceptions, the City of San Jose's minimum is "D").

Levels of Service for Signalized Intersections		
Level of Service	Average Delay (seconds/vehicle)	Description
A	≤ 10	Progression is extremely favorable, and most vehicles arrive during the green phase. Most vehicles do not stop at all.
B+	10 < delay ≤ 12	Good progression and/or short cycle lengths. More vehicles stop than for LOS A, causing higher average delays.
B	12 < delay ≤ 18	
B-	18 < delay ≤ 20	

C+	20 < delay ≤ 23	Higher delays may result from fair progression and/or longer cycle lengths. Individual cycle failures may begin to appear in this level. The number of vehicles stopping is significant at this level, although many still pass through the intersection without stopping.
C	23 < delay ≤ 32	
C-	32 < delay ≤ 35	
D+	35 < delay ≤ 39	The influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable progression, long cycle lengths, or high volume-to-capacity (V/C) ratios. Many vehicles stop, and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable.
D	39 < delay ≤ 51	
D-	51 < delay ≤ 55	
E+	55 < delay ≤ 60	This is considered to be the limit of capacity. These high delay values generally indicate poor progression, long cycle lengths, and high V/C ratios. Individual cycle failures are frequent occurrences.
E	60 < delay ≤ 75	
E-	75 < delay ≤ 80	
F	> 80	Unacceptable to most drivers. This condition occurs with oversaturation (i.e., when arrival flow rates exceed the capacity of the intersection). Poor progression and long cycle lengths may also be major contributing causes to such delay levels.

CONFORMANCE STANDARD: To comply with the CMP standard, Member Agencies must demonstrate that all CMP roadways (excluding freeways) within their jurisdictions are operating at or above LOS E. If the LOS standard cannot be met, a deficiency plan must be approved by VTA.

Freeway segments and CMP intersections that operated at LOS F when monitoring began in 1991 are exempt from meeting the LOS E standard. All other intersections that have degraded to LOS F since 1991 are considered non-conforming. Non-conforming intersections place the responsible jurisdictions at risk for losing their gas tax subventions under Proposition 111 (1991).

INTERSECTIONS IN ALMADEN VALLEY: A history of traffic levels of service for signalized CMP intersections in the Almaden Valley is shown in the following table.

Level of Service at Major Almaden Valley Signalized Intersections, 1991 – 2012																		
ID	CMP System Roadway	Cross Street	Jurisdiction	1991	1992	1993	1994/5	1996	1997	1998	2000	2001	2002	2004	2006	2008	2010	2012
3006	Hwy 85	Camden (North)	San Jose	E	NM	C	D	D	D+	C	C	C	C	C	C	C	C	C
3007	Hwy 85	Camden (South)	San Jose	NM	NM	NM	D	D	E	E+	E	D-	E+	D-	D-	E+	E+	D-
5512	Almaden Expy	Branham Lane.	SC County	F	E	E	D	D	E+	D-	E+	D-	D-	D	D	D	D	D
5513	Almaden Expy	Blossom Hill Road	SC County	F	E	E	E	E	E	E	F	F	F	E	E-	E	E	E+
5516	Almaden Expy	Coleman Road	SC County	F	F	F	D	E	E	D-	D-	E+	E	D	D-	D	D	D
5520	Almaden Expy	Camden Avenue	SC County	E	D	NM	D	E	E+	E	D-	E	E	D	D	D	D	D
5522	Almaden Expy	Hwy 85 N. ramp	SC County	NM	NM	NM	C	B	C+	C	C+	C	D-	E	D	E	D	D
5523	Almaden Expy	Hwy 85 S. ramp	SC County	NM	NM	NM	B	C	C	F	D-	C-	D	C	C	C	C	C

3093	Santa Teresa Blvd.	Coleman Rd.	San Jose	D	C	NM	C	C	B	C	C	C	C	C	C	C	C	C
3094	Santa Teresa Blvd.	Cottle Rd.	San Jose	E	E	D	D	D	D	D	D	D+	D+	D+	D	D+	D+	D+
3095	Monterey Hwy. (Rte. 82)	Curtner Av.	San Jose	F	NM	D	D	D	D	D	D	D	D	D	D	E	E+	E
3102	Hillsdale Av.	Meridian Av.	San Jose	E	E	D	D	D	D-	D	D-	D-	D-	D	D	D	D	D-
3109	Monterey Hwy. (Rte. 82)	Senter Rd.	San Jose	C	NM	C	C	B	C	C	C	C	C	C	C	C	C	C
3110	Monterey Hwy. (Rte. 82)	Skyway Dr.	San Jose	B	NM	B	B	B	B	B	B	B-	C	C	C	C	C	C
3111	Monterey Hwy. (Rte. 82)	Tully Rd.	San Jose	B	NM	B	B	B	B-	B	C+	B	B-	C+	C	C+	C	C
3112	Santa Clara Street (Rte 82)	Montgomery St.	San Jose	B	A	NM	B	B	A	B-	C+	B-	B-	B	B-	B	B	A
3113	Saratoga Av.	Moorpark Av.	San Jose	D	D	NM	D	D	D	D	D	D	D	D	D	D	D	D
3114	Tully Rd.	Quimby Rd.	San Jose	D	D	NM	D	D	D	D+	D	D	D	D	D	D	D+	D+
3115	Santa Teresa Blvd.	Snell Av.	San Jose	E	D	NM	D	D	D	D	C-	C-	C-	C-	C	C	C-	D+
3120	Capitol Exp.	Pearl Av.	San Jose	D	D	NM	D	D	D	NM	D+	D+	D	C-	D+	C-	C-	D+
5505	Almaden Exp.	Koch Ln.	SC County	B	B	NM	B	B	B+	B	B+	B	B	A	A	A	A	A
5512	Almaden Exp.	Branham Ln.	SC County	F	E	E	D	D	E+	D-	E+	D-	D-	D	D	D	D	D
5513	Almaden Exp.	Blossom Hill Rd.	SC County	F	E	E	E	E	E	E	F	F	F	E	E-	E	E	E+
5516	Almaden Exp.	Coleman Rd.	SC County	F	F	F	D	E	E	D-	D-	E+	E	D	D-	D	D	D
5520	Almaden Exp.	Camden Av.	SC County	E	D	NM	D	E	E+	E	D-	E	E	D	D	D	D	D
5522	Almaden Exp.	Hwy 85 N. ramp	SC County	NM	NM	NM	C	B	C+	C	C+	C	D-	E	D	E	D	D
5523	Almaden Exp.	Hwy 85 S. ramp	SC County	NM	NM	NM	B	C	C	F	D-	C-	D	C	C	C	C	C
5711	Capitol Exp.	Narvaez Av.	SC County	NM	NM	NM	D	D	D	D+	D	D+	D+	C-	D	D	D	D
5713	Capitol Exp.	Hwy 87 on/off ramp	SC County	NM	NM	NM	D	D	D-	D	E-	D-	D	C-	D	D-	D	D
5715	Capitol Exp.	Snell Rd.	SC County	D	D	NM	D	D	D	D	D	D	D	D+	D+	D+	D	D
5720	Capitol Exp.	Senter Rd.	SC County	F	F	E	E	E	E	E	E	E+	E+	D	D-	D	D	D
5721	Capitol Exp.	McLaughlin Av.	SC County	D	D	NM	D	E	E	E	D	D	D	D	D	D-	D	D

INTERSECTIONS IN SANTA CLARA COUNTY: VTA monitors 252 major signalized intersections in Santa Clara County for traffic level of service (LOS). CMP intersection LOS data is collected and evaluated every two years. For a complete list, see Table 3.9 in VTA's *2012 Monitoring and Conformance Report* at www.vta.org/inside/boards/committee_advisory/tac/agendas_minutes/2013/04_apr/8.pdf.

LEVEL OF SERVICE ON SANTA CLARA COUNTY FREEWAYS: Please be aware that LOS is measured differently for freeways than for intersections--a definition of freeway LOS is shown in Table 4.1 (page 45) of VTA's *2012 Monitoring and Conformance Report* at www.vta.org/inside/boards/committee_advisory/tac/agendas_minutes/2013/04_apr/8.pdf. Complete information on freeway performance is given in Chapter 4 of that report.

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