



# Memorandum

**TO:** Emily Lipoma

**FROM:** Hayde Pacheco  
Public Works

**SUBJECT:** SEE BELOW

**DATE:** 09/22/14

Approved

YL

Date

9/22/14

**SUBJECT:** REVISED TRAFFIC MEMO TO PLANNING  
FAIRFIELD AT WEST SAN CARLOS  
PW NO. 3-02899 (PD14-012)

*This memo supercedes the previous traffic memo to Planning dated 9/16/2014.*

We have completed the review of the traffic analysis for the subject project. The project consists of 315 apartment units and 22,665 square feet of commercial space. The proposed development is located at southeast corner of W. San Carlos and Sunol Streets. The proposed development is projected to add 171 a.m. peak hour trips and 198 p.m. peak hour trips.

## ACCESS

Access to the site will be provided via direct access off of West San Carlos and Sunol Streets.

Vehicular access to the site will be provided via two driveways along the project frontages; one right turn only on West San Carlos Street and one full access driveway on Sunol Street.

## ANALYSIS

Project traffic impacts and transportation level of service (LOS) have been calculated using Traffix, the City of San Jose and the Santa Clara County Congestion Management Program (CMP) approved software.

**City of San Jose Methodology:** Ten (10) signalized intersections were analyzed for the AM and PM peak commute hours using TRAFFIX and conforming to the City of San Jose Level-Of-Service (LOS) Policy impact criteria. The results indicate that none of the studied intersections would be significantly impacted by the project traffic. The results of the analysis are summarized in the attached Table ES-1.

**Santa Clara County CMP Methodology:** Three (3) signalized intersections were analyzed for the AM and PM peak commute hours using TRAFFIX and conforming to the Congestion Management Program requirements. The results indicate that all of the intersections meet the CMP LOS standard. The results of the analysis are summarized in the attached Table ES-1.

**Left-turn Storage Analysis:** Left-turn storage analyses were performed at three (3) intersections. The results of the analysis indicate that the queuing storage at one (1) of the intersections (San Carlos Avenue/Sunol Street) is sufficient and that two (2) intersections (Bird Avenue/I-280 (South) and Bird Avenue/Auzerais Avenue) currently exceed the existing vehicle storage capacity during both the AM and PM peak hours of traffic, and that this condition will continue to occur under existing plus project, background, and background plus project conditions. The right-of-way deficiency precludes the ability to provide additional left-turn pocket storage at these locations.

**Freeway Analysis:** Seven freeway segments of I-280 and SR-87 were analyzed for possible freeway impacts. The results of the analysis indicate the project would not cause significant impact to any of the study segments under the project conditions.

**Project conditions:** If a light rail station is constructed adjacent to the project, 9.2-linear feet of additional right-of-way will be required. Thus, the project may be required to dedicate the necessary right-of-way if VTA moves forward with this plan.

RECOMMENDATION:

With the inclusion of the above conditions, the subject project will be in conformance with both the City of San Jose Transportation Level of Service Policy (Council Policy 5-3) and the Santa Clara County Congestion Management Program. Therefore, a determination for a negative declaration can be made with respect to traffic impacts.

Please contact Eric Lee at [eric.lee@sanjoseca.gov](mailto:eric.lee@sanjoseca.gov) or (408) 535-5663 or me at [hayde.pacheco@sanjoseca.gov](mailto:hayde.pacheco@sanjoseca.gov) or (408) 793-4166 if you have any questions. You may also reach Karen Mack, Traffic Management at [karen.mack@sanjoseca.gov](mailto:karen.mack@sanjoseca.gov) or (408) 535-6835.



Hayde Pacheco  
Project Engineer  
Development Services Division

HP:KM:el

C: Karen Mack  
Zahi Khattab, DOT  
Traffic Consultant

**Table ES-1**  
**Intersection Level of Service Summary**

Study Number	Intersection	Peak Hour	Count Date	Existing			Existing+Project			No Project			Background With Project		
				Avg. Delay (sec.)	LOS	Crit. V/C	Avg. Delay (sec.)	LOS	Crit. V/C	Avg. Delay (sec.)	LOS	Crit. V/C	Avg. Delay (sec.)	LOS	Crit. V/C
1	Meridian Av & San Carlos St	AM	02/14/13	40.2	D	40.2	D	41.5	D	41.6	D	0.1	0.004		
		PM	02/14/13	49.5	D	49.7	D	54.3	D	54.9	D	1.2	0.015		
2	Race St & San Carlos St	AM	10/23/13	36.4	D	36.3	D	37.8	D	37.8	D	-0.1	0.004		
		PM	10/23/13	47.3	D	47.6	D	51.2	D	51.7	D	0.8	0.009		
3	Lincoln Av & San Carlos St	AM	10/30/12	33.6	C	33.7	C	36.5	D	36.5	D	0.1	0.004		
		PM	10/30/12	40.2	D	40.0	D	43.9	D	43.9	D	0.1	0.008		
4	Sunol St & San Carlos St	AM	10/04/12	12.4	B	13.2	B	15.9	B	16.4	B	0.6	0.016		
		PM	10/04/12	15.0	B	15.6	B	17.4	B	17.8	B	0.6	0.024		
5	Sunol St & Auzerals Av	AM	04/29/14	5.7	A	7.6	A	6.7	A	8.2	A	2.3	0.038		
		PM	04/29/14	8.1	A	8.2	A	7.6	A	8.1	A	0.8	0.030		
6	Montgomery St & Park Av (SJ)	AM	03/20/13	24.4	C	24.6	C	27.9	C	28.0	C	0.1	0.003		
		PM	03/20/13	34.1	C	34.2	C	37.5	D	37.5	D	0.0	0.001		
7	Bird Av & San Carlos St (SJ) *	AM	10/03/12	32.7	C	32.7	C	34.3	C	34.3	C	0.0	0.001		
		PM	09/18/12	37.4	D	37.5	D	40.2	D	40.3	D	0.2	0.004		
8	Bird Av & Auzerals Av (SJ)	AM	09/26/13	19.9	B	20.6	C	22.6	C	23.2	C	0.5	0.007		
		PM	09/26/13	24.3	C	25.7	C	31.2	C	32.9	C	2.8	0.034		
9	Bird Av & I-280 Ramps (North) *	AM	10/17/12	31.6	C	31.8	C	34.1	C	34.4	C	0.6	0.008		
		PM	10/18/12	27.6	C	27.7	C	32.0	C	32.6	C	0.4	0.003		
10	Bird Av & I-280 Ramps (South) *	AM	10/17/12	28.6	C	28.9	C	32.2	C	32.5	C	0.3	0.009		
		PM	09/18/12	24.9	C	25.0	C	31.8	C	32.1	C	0.5	0.004		

**Notes:**

\* Denotes a VTA Congestion Management Program (CMP) intersection.  
(SJ) Denotes a City of San Jose exempt downtown core intersection.