

Mission San Jose High School Existing Conditions Summary

December 2016

Prepared by Alta Planning + Design

Mission San Jose High School

A Traffic Safety Assessment was conducted at Mission San Jose High School during the morning arrival on Thursday, October 27, 2016. The assessment was attended by representatives from the City of Fremont, Fremont Police Department, Alta Planning + Design, and Mission San Jose High staff and students.

School Information

Address	41717 Palm Avenue
Morning Bell(s)	8:00am; Wednesdays 9:00am
Afternoon Bell(s)	3:57pm
Grade Levels	Grades K-6
Enrollment	2,069

Mission San Jose High School is located on Palm Avenue, between Mission Blvd and Mission Creek. Hopkins Junior High is located directly to the west of campus, and Chadbourne Elementary is to the south. Mission Blvd generates heavy traffic from commercial activities and Ohlone College, as well as commute traffic and access to I-680. The high school has a drop-off loop on Palm Ave with limited parking, and a larger parking lot just south of the loop.

Existing Conditions

The following existing conditions were observed or reported by participants during the walk audit.

1. Mission Boulevard

- ◆ Existing bike lane is often obstructed by vehicles dropping off students on Mission Blvd
- ◆ Mission Blvd is heavily utilized commuter route

2. Palm Avenue

- ◆ The school's drop-off loop is located on Palm Ave, with minimal parking. The parking lot is located to the south, off of Palm Avenue.
- ◆ Cars queue on Palm Ave, making it difficult for bicyclists to navigate their way to the school

3. Mission Boulevard & Palm Avenue

- ◆ Vehicles back up onto Palm Ave waiting to turn onto Mission Blvd.
- ◆ Signal timing at intersection does not allow vehicles to clear from palm Ave during peak school arrival and dismissal times

4. Additional Observations

- ◆ Some people use Ellsworth St as an alternative route if Mission Blvd is too congested.

5. Current Safe Routes to School Involvement

- ◆ Mission San Jose High has not participated in the Alameda County Safe Routes to Schools countywide program in the past, but is interested in participating to encourage more active and shared trips to school and to improve safety.

Recommendations

Recommendations to improve infrastructure or operations surrounding Mission San Jose High can be seen on the conceptual improvement plan found on the following page. Engineering cost estimates for the infrastructure recommendations are also provided.

The following improvements are recommendations for policy and program implementation at Mission San Jose High School to increase safety and active commutes to school.

Policy & Program Recommendations

- ◆ Distribute Recommended Walk/Bike Maps to students and their families in an effort to promote walking and biking to school on suggested routes. Safety tips are also included on the maps to promote good behavior among bicyclists, pedestrians, and drivers.
- ◆ Engage students to participate in SR2S events, such as International Walk & Roll to School Day, the Golden Sneaker Contest, and Bike to School Day.
- ◆ Engage students in the countywide Youth Task Force, facilitated through the Alameda County SR2S program.
- ◆ Provide age-appropriate pedestrian and bicycle safety education to students, either during class or as an after school activity.
- ◆ Engage students to participate in SR2S evaluations each fall and spring to monitor progress on mode shift goals. The evaluations could be incorporated into math or science classes, and used to calculate the emissions reduction benefits of decreasing single family vehicle trips.
- ◆ The Fremont Unified School District should consider adopting a Safe Routes to School Board Policy and Administrative Regulation that recognizes the benefits of SR2S programs, promotes inter-agency collaboration, encourages bicycle and pedestrian safety education at schools, and encourages schools to participate in SR2S evaluations each fall and spring.
- ◆ Explore program and funding opportunities for helmet giveaways.

Mission San Jose High School Fremont

Safe Routes to Schools Improvement Plan Site Assessment held October 2016

- 1 Mission San Jose Park**
- Install shared-use path between the school campus and the 'Park & Ride' lot
- 2 Mission Boulevard / Northeast School Frontage**
- Coordinate proposed roadway improvements with proposed developer school transportation circulation improvements and access improvements
- 3 School Frontage / Palm Avenue / Mission Boulevard**
- Conduct an inventory of existing parking and loading signage and clean up / remove conflicting signage
- 4 Mission Boulevard**
- Install a class 4 bike lane at south side of Mission Boulevard and west side of Palm Avenue to prevent parent drop-off and motor vehicle encroachment into the curbside bike lane
- 5 Mission Boulevard / Palm Avenue**
- Install high visibility crosswalks and advance stop markings at all 4 legs
- Study signal timing changes, including potential protected turn phases, to allow vehicles to clear from Palm Avenue more quickly during peak school drop-off and pick-up times. Ensure that any signal changes maintain sufficient school-area pedestrian crossing time and minimize turning conflicts
- 6 Mission Creek / Covington Drive (off-page)**
- Existing pedestrian bridge serves as neighborhood access to school
- 7 Mission Creek Drive West of School**
- Remove 'make-shift' bridge over the creek connecting Mission Creek Drive to the trail
- 8 On-Campus**
- Evaluate needs for on-site bike racks and pursue grants/funds for secure bike parking facilities
- 9 Camino Santa Barbara / Palm Avenue**
- Install high visibility crosswalk across Camino Santa Barbara
- Install raised crosswalk at the location of the existing speed hump and temporary crosswalk on Palm Avenue
- 10 Corte Santa Ines / Palm Avenue**
- Install high visibility crosswalks where shown
- Install advance stop marking at southeast leg
- Install advance yield markings at southwest and northeast legs
- 11 Mission Creek / Covington Drive (off-page)**
- Existing pedestrian bridge serves as neighborhood access to school
- 12 Via San Miguel / Palm Avenue**
- Install high visibility crosswalk and advance stop marking at southeast leg
- 13 Mission Creek Drive / Palm Avenue**
- Install high visibility crosswalk and advance stop marking at southeast leg



	Recommended High-Visibility Crosswalk		Recommended Advanced Stop Pavement Marking
	Recommended Sidewalk / Shared Use Path		Recommended Advance Yield Markings
	Recommended Raised Crosswalk		Recommended Rectangular Rapid Flashing Beacon
	Separated Bikeway Facility		Signal Timing Improvements

Improvements not to scale
0 200 ft



Fremont School Traffic Safety Assessment
Mission San Jose High School
Preliminary Cost Estimate

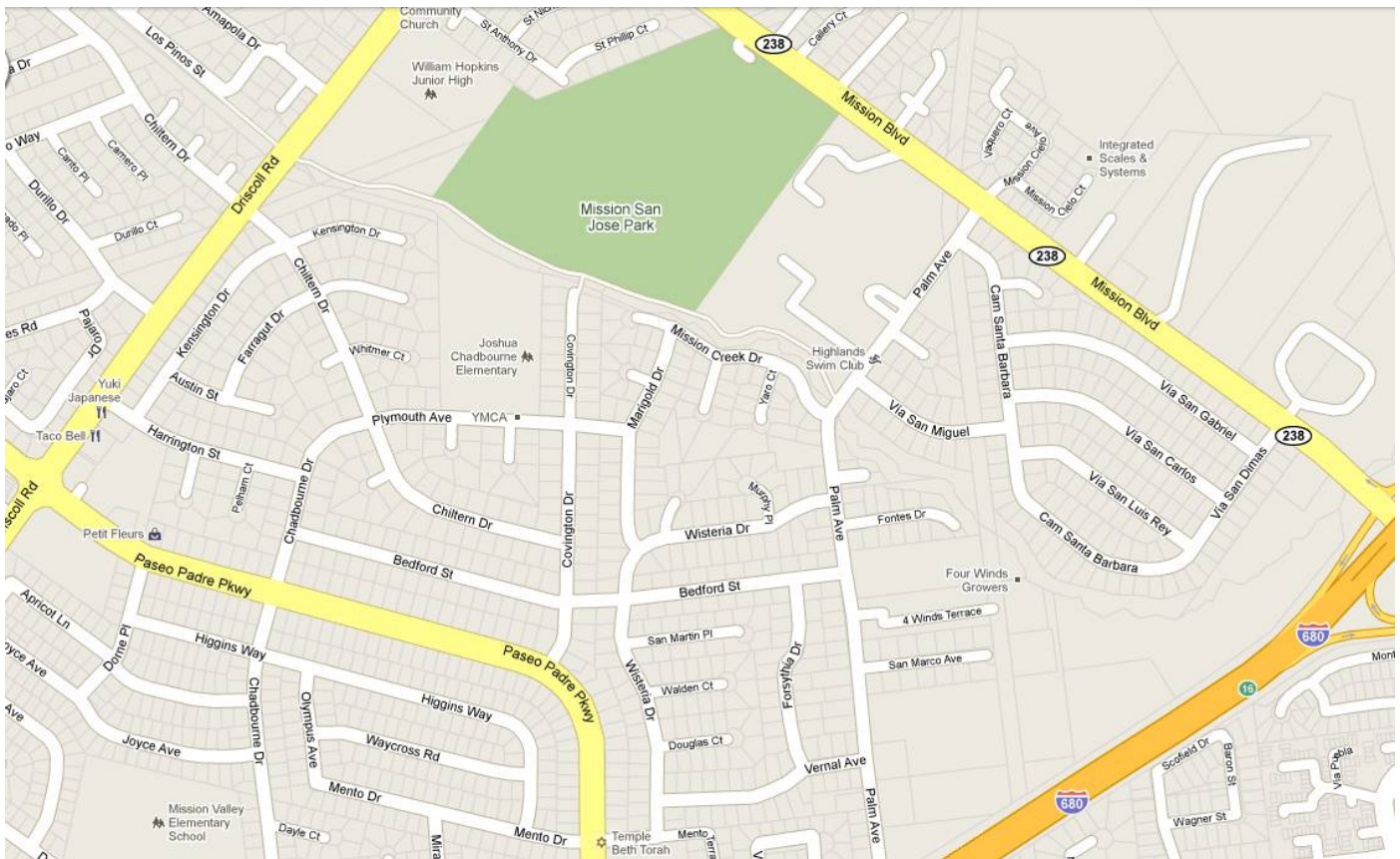
Alta Planning + Design

12/20/2016

Traffic Safety Improvements

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	COST	
1	Mobilization	1	LS	\$36,700	\$37,000	
2	Traffic Control	1	LS	\$36,700	\$36,700	
3	High Visibility Crosswalk	9	EA	\$2,000	\$18,000	
4	Raised Crosswalk (Convert Existing Speed Hump)	1	EA	\$15,000	\$15,000	
5	Yield Line	2	EA	\$500	\$1,000	
6	Install Separated Bike Lane on Mission Blvd	1500	LF	\$50	\$75,000	
7	Install Separated Cycle Track on Palm Ave	1200	LF	\$75	\$90,000	
8	Multi-Use Path	6,250	SF	\$10	\$62,500	
9	STOP Bar and Pavement Marking	12	EA	\$400	\$4,800	
10	Signal Modification (Optional)	1	LS	\$100,000	\$100,000	
11	Remove Makeshift Bridge	1	LS	\$1,000	\$1,000	
SubTotal Items					\$441,000	
				CONSTRUCTION CONTINGENCY	20%	\$88,200
Total					\$529,200	

Alternative Driving Routes During MSJHS Traffic Period



Dear MSJHS Parents and Other Drivers,

In order to avoid unnecessary congestion during the heavy traffic period at Mission San Jose High School, we encourage you to take the following alternative routes. Please try your best to avoid any left turns and remember that U-turns are illegal on Palm Ave. For our students' safety, please do not block the crosswalks.

Alternative Routes for Southbound Palm Ave Traffic:

1. Turn right on Bedford Street (or Wisteria Dr. then Bedford St), then
 - a. Left on Covington Dr. to **Paseo Padre Pkwy**
 - b. Right on Covington Dr., then left on Chiltern Dr. to **Driscoll Rd.**
2. Continue on Palm Ave, to **Washington Blvd.**
 - a. Left on Washington Blvd to Mission Blvd.
 - b. Right on Washington Blvd to Paseo Padre Pkwy or **680.**

Alternative Routes for Northbound Palm Ave Traffic to get to Mission Blvd:

1. Turn right on Via San Miguel, then right on Camino Santa Barbara, to Mission Blvd.
2. Turn right on Camino Santa Barbara, then left on Via San Gabriel, then left on Via San Dimas.

Thanks for your cooperation!

The MSJHS Crossing Guard Team