

Oliveira Elementary School

Technical Memorandum

October 2016

Prepared by Alta Planning + Design

Oliveira Elementary School

A Traffic Safety Assessment was conducted at Oliveira Elementary School during afternoon departure on Thursday, May 19, 2016. The assessment was attended by representatives from the City of Fremont, Fremont Unified School District, Alta Planning + Design, and Oliveira Elementary School staff and parents.

School Information

Address	4180 Alder Avenue
Morning Bell(s)	All Grades 8:30am TK-Kinder: 8:00am
Afternoon Bell(s)	Grades 1-3: 2:40pm Grades 4-6: 2:55pm All Grades on Wednesdays: 1:10pm
Grade Levels	K-6 th Grade
Enrollment	720

Oliveira Elementary School is located on Alder Avenue, just south of American High School and just north of Thornton Junior High School. Alder Avenue is a two lane road with speed humps and some marked crosswalks. Fremont Boulevard is one block north from Oliveira's campus, and is a major thoroughfare through Fremont. The close proximity of an elementary, middle and high school presents unique opportunities and challenges in relation to school commutes.

Existing Conditions

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

1. School Drop-Off Loop

- ◆ The drop off loop has one entrance and exit arrows for right and left turns, although the left turns are prevented during the afternoon departure time
- ◆ There is one crosswalk in the lot, but no path for pedestrians
- ◆ During the afternoon pick up period, cars backed up onto Alder Avenue waiting to get into the loop and pedestrians walked between cars

2. Alder Avenue

- ◆ There are speed humps east and west of the school on Alder Ave
- ◆ There are marked crosswalks at Perkins St in front of the school parking lot, with a crossing guard controlling the eastern leg
- ◆ Sidewalks are narrow but fairly smooth with some obstructions from overgrown vegetation



- ◆ Both sides of Alder Ave allow parking
- ◆ Curb ramps do not have truncated domes

3. Alder Avenue & Fremont Boulevard

- ◆ Intersection has recently constructed curb extensions
- ◆ Intersection has traditional crosswalks on all four legs



4. Alder Avenue & Oak Street

- ◆ Participants in the walk audit reported drivers making u-turns in the crosswalk and backing up toward pedestrians crossing Oak in the marked crosswalk
- ◆ Cars park blocking the curb ramps and crosswalk

5. Alder Avenue & Laredo Drive

- ◆ Heavy pedestrian crossings from Laredo with no marked crosswalks
- ◆ Cars back up through this T-intersection while waiting to enter the school loop
- ◆ Wide turn radii on both corners of Laredo

6. Alder Avenue & Coronado Drive

- ◆ T-intersection has no marked crosswalks although it is near the elementary and junior high schools

7. Additional Observations

- ◆ Bike racks are located in the center courtyard, and can be seen from the office and many classes. There is one new U-rack and another old set of toaster racks. They are full on event days and have some bikes on regular days. As biking to school increases, additional racks will be needed and should be U-racks.
- ◆ Several students also scooter to school, but no lockers are provided. Bikes and scooters are stored in the multipurpose room on event days.



8. Current Safe Routes to School Involvement

- ◆ Oliveira has been participating in the Countywide SR2S program for several years. They participate in International Walk & Roll to School Day in October, Golden Sneaker Contest in March, and Bike to School Day in May. They have also received visits from the BikeMobile and were awarded a new bike rack during the 2014-2015 school year.
- ◆ School staff is very supportive of the SR2S program, contributing to its success at Oliveira Elementary.
- ◆ Oliveira Elementary also participates in Safe Moves bicycle workshops and school traffic safety rodeos which are funded by City Measure B & BB funds.

Recommendations

Recommendations to improve infrastructure or operations surrounding Oliveira Elementary 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 Oliveira Elementary 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.
- ◆ Continue to participate in SR2S events, such as International Walk & Roll to School Day, the Golden Sneaker Contest, and Bike to School Day.
- ◆ Continue to participate in age-appropriate pedestrian and bicycle safety education to students, either during class or as an after-school activity.
- ◆ Participate in SR2S evaluations each fall and spring to monitor progress on mode shift goals.
- ◆ 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.
- ◆ Discontinue loading and unloading at Alder Avenue Parking Lot to encourage parents/students to walk and bike to school. The proposed model for school loading and unloading is patterned after Chadborne Elementary School's successful traffic circulation operations.
- ◆ Alder Avenue's on-street parking is recommended to be prohibited on each side of the street between just west of Laredo Drive to Oak Street to improve traffic circulation frontage around school, encouraging walking and biking trips and minimizing auto trips fronting the school.

Inset A







Oliveira Elementary School Safe Routes to School Improvement Plan

Site Assessment held 5/19/2016

- 1 Alder Ave. south of Fremont Blvd.**
Trim vegetation where it interferes with sidewalk
- 2 Alder Ave.**
Restripe the speed bumps with standard markings (Completed Summer 2016)
- 3 Alder Ave. / Laredo Dr.**
Install high visibility crosswalk on western leg of intersection
Consider installing **curb extensions** on three corners with an advance stop bar on Laredo Dr. and "yield to pedestrian" paddles across Alder Ave.
- 4 Oliveira Elementary School West Entrance**
Create a pedestrian path of travel through the parking lot for improved safety
- 5 Alder Ave. / Perkins St.**
Install stop bars in advance of crosswalks
- 6 Fremont Blvd. / Alder Ave.**
Check pedestrian signal timing at intersection
Install high visibility crosswalks and advance stop lines
- 7 Blue Ridge St. Access**
Reconstruct path to the back entrance of school
Promote this entrance once path is improved
- 8 Oak St. / Blue Ridge St.**
Install high visibility school crosswalk with an advance stop bar

LEGEND

-  Existing Crossing Guard
-  Recommended sidewalk / curb extension
-  Recommended high visibility crosswalk
-  Recommended path/road improvement

Improvements not to scale.

0 100 200 ft



Fremont School Traffic Safety Assessment
Oliveira Elementary School
Preliminary Cost Estimate

Alta Planning + Design

10/20/2016

Traffic Safety Improvements

ITEM NO.	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT COST	COST
1	High Visibility Crosswalk	8	EA	\$2,000	\$16,000
2	Curb Extension & Ramp	3	EA	\$20,000	\$60,000
3	Sign and Post Assembly	1	EA	\$500	\$500
4	Speed Hump Marking	2	EA	\$500	\$1,000
5	Trim Landscaping	1	LS	\$1,200	\$1,200
6	Advance Stop Bar	4	EA	\$200	\$800
7	Improved Path Connection (Ramp & Resurfacing)	1	LS	\$8,000	\$8,000.00
8					
9					
		SubTotal Items			\$87,500
	CONSTRUCTION CONTINGENCY			20%	\$17,500
			Total		\$105,000



Sign In Sheet

PROJECT Fremont School Traffic Safety Assessments

SUBJECT Oliveira Elementary School

DATE May 19, 2016

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