

# **Patterson Elementary School Existing Conditions Summary**

December 2016

Prepared by Alta Planning + Design



# Patterson Elementary School

A Traffic Safety Assessment was conducted at Patterson Elementary School during the afternoon dismissal on Wednesday, October 26, 2016. The assessment was attended by representatives from the City of Fremont, Fremont Police Department, Alta Planning + Design, and Patterson Elementary staff and parents.

## School Information

Address	35521 Cabrillo Drive
Morning Bell(s)	8:30am
Afternoon Bell(s)	2:55pm
Grade Levels	Grades K-6
Enrollment	650

Patterson Elementary is located on Cabrillo Drive and is directly adjacent to Patterson Park. Most of the morning and afternoon traffic is concentrated on Cabrillo Drive, with most through traffic traveling north to Decoto Road. The neighborhood is primarily residential, with a neighborhood path system providing access for pedestrians that is separated from vehicle traffic. The school is currently undergoing construction, to accommodate additional buildings and students. It will be important to manage vehicle traffic as the school community continues to grow.

## Existing Conditions

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

### 1. Cabrillo Drive and Drop-Off Loop

- ◆ Circulation in the drop-off loop is slow and cars back up as far north as Angeles Ave along Cabrillo Drive to enter or exit.
- ◆ Cabrillo Drive has a high pedestrian crossing volume.
- ◆ Some parents use the staff parking lot to drop-off students, even though it is prohibited.
- ◆ Cabrillo Drive west of the school provides access to Decoto Road, used by commuters to access I-880.

### 2. Cabrillo Drive & Gibraltar Drive

- ◆ There are standard crosswalks on three legs of the intersection.
- ◆ Drivers do U-turns at the end of Gibraltar Drive cul-de-sac.

### 3. Roca Drive

- ◆ Plenty of parking is available but underutilized on Roca Drive between Diaz Drive and Cabral Drive.

#### 4. Patterson Park

- ◆ The pedestrian path in Patterson Park is underutilized but provides access to the school.

#### 5. Additional Observations

- ◆ Students were observed to be bicycling without helmets and on the wrong side of the road.

#### 6. Current Safe Routes to School Involvement

- ◆ Patterson Elementary 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 Patterson 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 Patterson Elementary School to increase safety and active commutes to school.

#### Policy & Program Recommendations

- ◆ Designate Cabrillo Drive, west of Angeles Ave, as a Park & Walk site.
- ◆ Designate Roca Ave and the entrance of pedestrian path in Patterson Park on Cabral Drive as a Park & Walk site.
- ◆ Conduct an education campaign to promote helmet use and explore opportunities for free helmet giveaways.
- ◆ Participate in programming such as a Bicycle Rodeo and Family Cycling Workshop to educate students and families about safe bicycling.
- ◆ 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.
- ◆ Participate in SR2S events, such as International Walk & Roll to School Day, the Golden Sneaker Contest, and Bike to School Day.
- ◆ Provide 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.

# Patterson Elementary School Fremont

## Safe Routes to Schools Improvement Plan

Site Assessment held October 2016

### Non-infrastructure Recommendations

- Conduct an education campaign to promote helmet use
- Explore opportunities for free helmet giveaways
- Implement Park & Walk program on Roca Drive, Diaz Drive and Angeles Avenue



- 1 Cabrillo Drive / Angeles Avenue**
  - Install high visibility crosswalk on Angeles Ave
  - Consider installing curb extensions on northwest and southwest corners
- 2 Cabrillo Drive / Gibraltar Drive**
  - Install high visibility crosswalks across Cabrillo Drive and advance stop bars at all approaches
- 3 Cabrillo Drive / Drop-Off Loop**
  - Use cones to close parking lot during drop-off/pick-up hours
  - Install yield teeth in advance of midblock marked crosswalk
  - Conduct an inventory of existing parking and loading signage and clean up / remove conflicting signage
- 4 Staff Parking Lot**
  - Restrict parents from dropping off students in staff parking lot
  - Consider moving the drop-off loop to the current staff parking lot and using it for loading only
- 5 School Frontage**
  - Paint red curb along school frontage for up to 25 feet on either side of driveway entrances/exits
  - Consider installing "No Stopping Anytime" signs on entire school frontage along Cabrillo Dr.
  - Widen sidewalk adjacent to school to 10' wide
- 6 Cabrillo Dr & Diaz Dr**
  - Install high visibility crosswalk and advance stop bar on Diaz Dr.
  - Install high visibility crosswalk and yield teeth on Cabrillo Dr.
  - Restripe speed hump with City's striping plan
- 7 Roca Dr. Parking Lot**
  - Pave pedestrian path through parking lot and promote Roca Dr. as alternate drop-off/pick-up location
- 8 On Campus**
  - Install cage around existing bicycle parking for additional security

Improvements not to scale



**Fremont School Traffic Safety Assessment**  
**Patterson Elementary**  
**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	\$9,100	\$9,000	
2	Traffic Control	1	LS	\$9,100	\$9,100	
3	High Visibility Crosswalk	6	EA	\$2,000	\$12,000	
4	Curb Extension & Ramp	3	EA	\$20,000	\$60,000	
5	Yield Line	4	EA	\$500	\$2,000	
6	Curb Ramp Improvement	2	EA	\$5,000	\$10,000	
6	Sign and Post Assembly	4	EA	\$500	\$2,000	
7	STOP Bar and Pavement Marking	4	EA	\$400	\$1,600	
8	Painted Curb Marking	1	LS	\$3,000	\$3,000	
<b>SubTotal Items</b>					<b>\$108,700</b>	
				CONSTRUCTION CONTINGENCY	20%	\$21,700
<b>Total</b>					<b>\$130,400</b>	