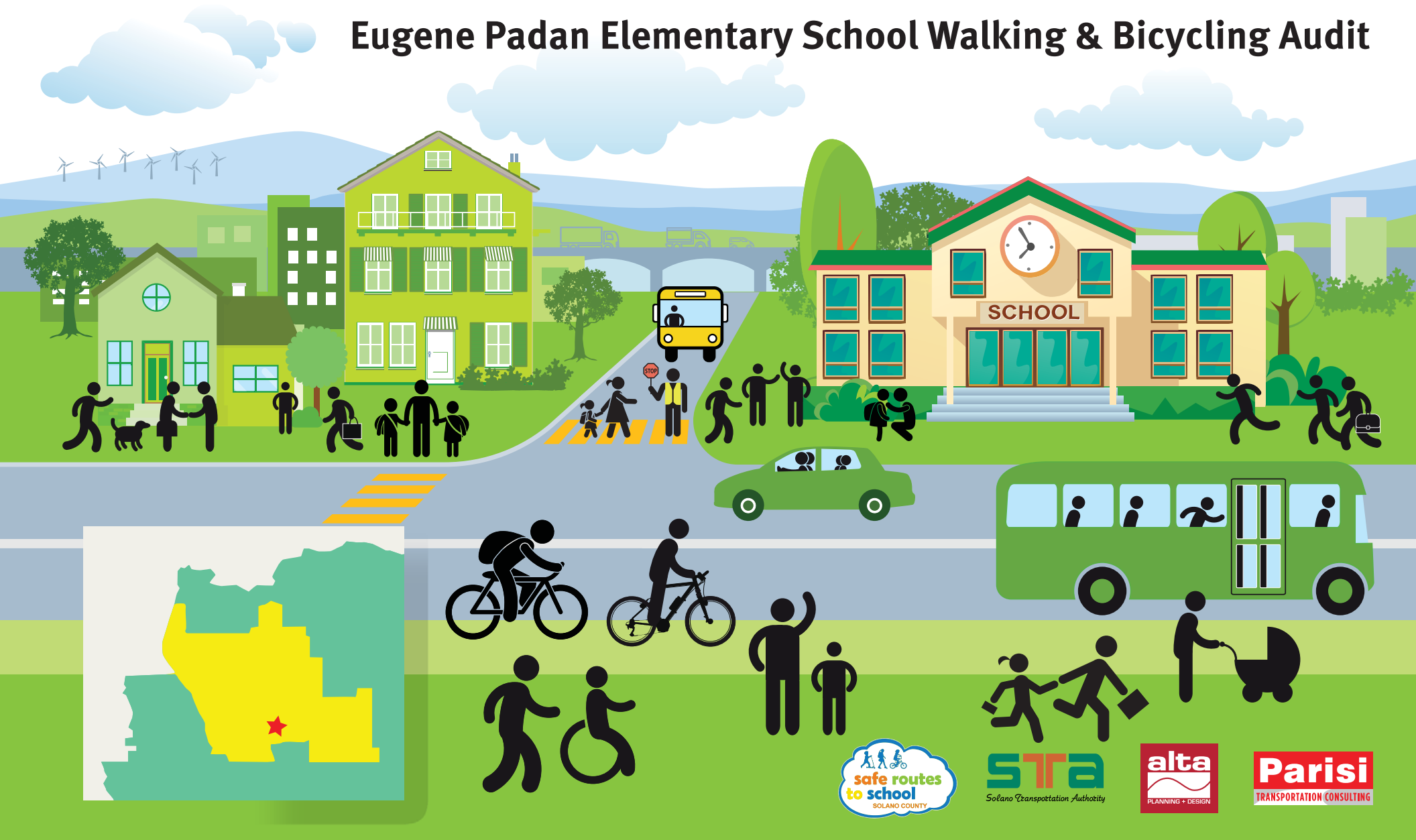


JULY 2019

VACAVILLE UNIFIED SCHOOL DISTRICT

Eugene Padan Elementary School Walking & Bicycling Audit



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School Information



Eugene Padan Elementary School (Padan Elementary) is an elementary school within the Vacaville Unified School District.

School Profile

Address: 200 Padan School Road, Vacaville, CA 95687

Grades: K – 6th

Number of Students: 630

Access

Primary bicycle and pedestrian access is provided via a multi-use pathway that runs through Padan Park. The pathway serves as a connection between Padan bicycle lanes along Marshall Road and Padan Elementary.

Primary vehicular access to and from the school is provided via driveways located along Padan School Road. The roadway is a local access roadway that primarily serves traffic traveling to and from Padan Elementary.

Marshall Road and Davis Street provide secondary vehicular access to and from the school. Marshall Road is a two-lane collector street with one travel lane in each direction. Marshall Street generally runs in the east-west direction from Alamo Drive in the east to Leisure Town Road in the west. Davis Street is a two-lane (one lane in

each direction) collector street that runs in the general north-south direction. Davis Street runs north from its intersection with Alamo Drive in the south Main Street in the north.

Marshall Road features a Class II bicycle lane in each direction leading to and from the Southside Bikeway, a north-south running paved Class I bicycle path.

There are two primary drop-off and pick-up locations used to access the school.

Padan driveway loop along Padan School Road.

The 400-foot long driveway provides access to a drop-off and pick-up driveway and on-campus parking lot in the interior of the campus. During

the morning drop-off period, students are driven to the interior of the campus where they are let out of their vehicles. During the afternoon pick-up period, parents drive on to the campus and wait in their cars for their children to be let out of school. The driveway consists of two lanes, which helps move traffic along. Staff and volunteer parking attendants help students in and out of their vehicles.

Passenger loading along Padan School Road.

On-street parking is available on both sides of Padan School Road. The street is designated as no parking between 7 a.m. to 3 p.m. however cars will park as they wait for their students to be released. Parents will either remain waiting in their parked car or leave their vehicle unattended.



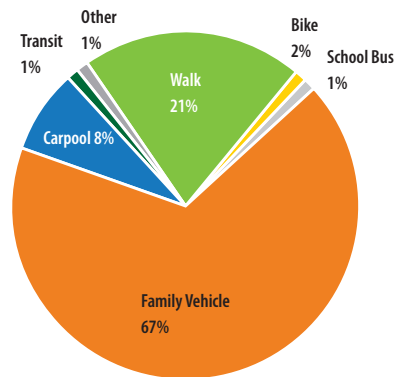
Padan School Road

Safe Routes to School Survey

As part of the Solano Transportation Authority's Safe Routes to Schools (SR2S) program student hand tally surveys are conducted regularly to understand the various travel modes students use to get to and from school. The travel surveys are a useful tool in measuring whether SR2S program goals are being met and identifying program resources that can be used to support walking, bicycling, taking transit, and carpooling as means of transportation to school. Surveys are generally conducted twice a year, once in the fall and once in the spring. The surveys are done over a three-day period (Tuesday, Wednesday, and Thursday). During each survey students are asked how they traveled to school that morning, and how they plan to travel back home after school.

Results from the most recent survey conducted during the 2016–2017 school year are shown below.

- Approximately 74 percent of students are driven to/from school. Sixty-seven (67) percent of students travel in vehicles carrying one student, referred to as "family vehicle" trips. Eight percent of students travel to school by carpool.
- Approximately 24 percent of students travel to/from school in an "active" way. On average 21 percent of students reported traveling either to or from school by walking. Three percent of students travel by bicycling or "other" rolling means (e.g., scooter, skateboard etc.)
- Approximately 34 percent of students travel to/from school using a sustainable mode of travel. In addition to the 24 percent of students walking, bicycling, and rolling to school, and eight percent of students who carpool, one percent of students ride public transit and one percent take the school bus. These are the travel modes promoted by the SR2S program.



Source: Vacaville Unified School District, N= 602 Students
Note: Percentages have been rounded and may not add up to 100%.

Walking and Bicycling Audit



INFRASTRUCTURE OBSERVATIONS

- The Southside Bikeway path does not have a marked crosswalk at Marshall Road. Bicyclists and pedestrians traveling along the path must travel along the Marshall Road bike lanes to the nearest crosswalks at the Marshall Road and Alonzo Court intersections to cross the street (see photo 6).
- The existing sidewalks along Padan School Road are very narrow and do not adequately accommodate students traveling in groups.
- Existing crosswalks along Padan School Road do not feature high-visibility striping (see photo 3).

BEHAVIORAL OBSERVATIONS

- Motorists were observed ignoring posted signage and leaving their vehicles parked in the signed no parking zone (see photo 10).
- During peak pick-up periods on-street parking was at capacity and vehicles were double parked along Padan School Road as they waited for their children to be released.
- Walk audit participants reported that Davis Street is a highly trafficked corridor with vehicles traveling at high speeds.

Observations



Walk audit participants discuss safety concerns around the school.



A school monitor assists with student pick-ups in the school's designated passenger loading zone.



Narrow sidewalks leading to Davis Street and Padan School Road intersection that features transverse crosswalks.



Mid-block crossing that facilitates travel between the school and the multi-use pathway through Padan Park.



Students walk along the multi-use pathway in Padan Park.



A bicyclist tries to access the Southside Bikeway path from Marshall Road.



Students board the school bus at the designated bus loading zone located in the school's driveway.



Traffic congestion backup along Padan School Road during the peak pick-up period.



A crossing guard facilitates crossings mid-block across Padan School Road.



Vehicles parked in the signed no parking zone during designated passenger loading hours.



Students wait to be picked up along the coned passenger loading zone along Padan School Road.



A designated bicycle lane along xx that provides access to and from the school.

Safe Routes to School Improvement Recommendations

An important element of the SR2S program is providing infrastructure improvements that support and encourage safe walking and bicycling to and from school. This Walk Audit Report includes a series of recommendations for transportation infrastructure improvements around Eugene Padan Elementary. These recommendations are based on observations made during the walking and bicycling audit, a post-audit engineering review, and a review of concerns raised by walk audit participants. The recommendations have been classified based on ease of implementation:

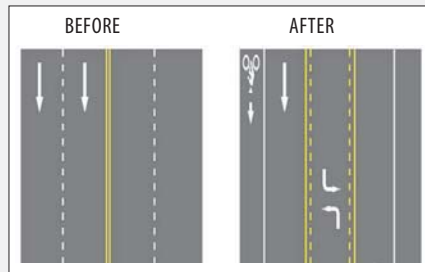
- **Short-term improvements** are lower cost improvements that can be typically implemented within a year.
- **Mid-term improvements** are improvements that may require additional planning efforts and funding and can typically be implemented within a three-year range.
- **Longer-range improvements** are substantial infrastructure improvements that would require additional funding and planning and can be typically implemented in a three to five-plus year range.

These improvements are summarized in the figure on the next page.

TOOLBOX OF POTENTIAL IMPROVEMENTS



High-visibility school crosswalks make it easier for motorists to see crossing pedestrians.



Road diets calm traffic provide space for bicyclists, and can provide pedestrian refuges.



Stop bars set back from crosswalk provide additional buffer between vehicular traffic and pedestrians.



Replace obsolete or inappropriate school area signs to keep school traffic control up to date.



Red curb paint designates areas where parking is prohibited.



Curb ramps provide access to disabled pedestrians and parents walking with strollers.

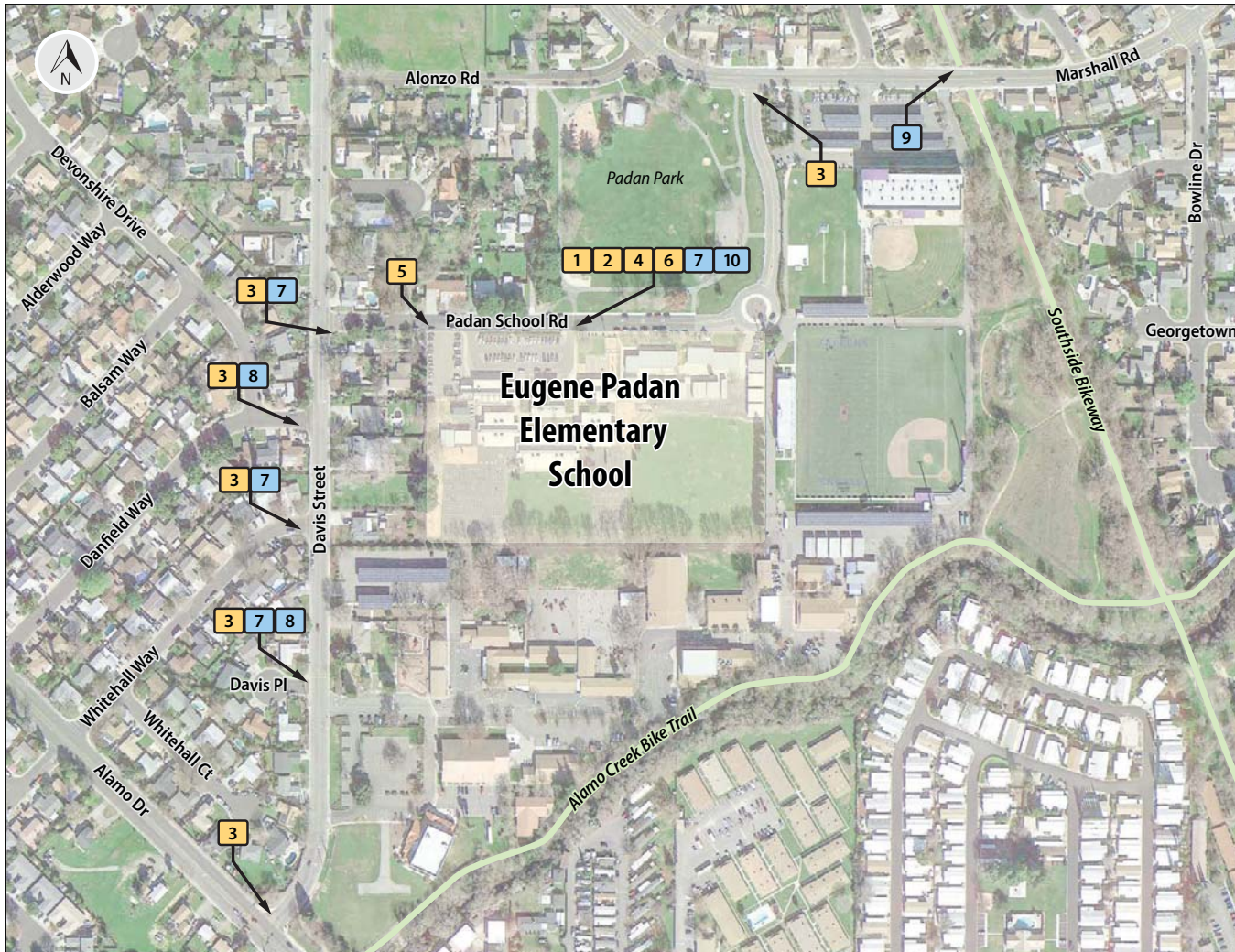


Curb extensions shorten pedestrian crossing distance and enhance visibility.



Rectangular Rapid Flash Beacons (RRFB) increase yield compliance at uncontrolled crossings.

Potential Safe Routes to School Improvements at Eugene Padan Elementary School, Vacaville



LEGEND

Short-term Improvements

- 1** Install yellow high visibility crosswalk markings
- 2** Install double-sided school crosswalk signage
- 3** Install stop bar in advance of crosswalk
- 4** Install 25' of red zone striping on both sides of crosswalk
- 5** Consider no parking zone to provide queuing lane
- 6** Replace existing stop sign

Mid-term Improvements

- 7** Upgrade curb ramps to meet ADA compliance
- 8** Install ADA-compliant curb ramps
- 9** Evaluate feasibility of marked crosswalk
- 10** Consider bulb-out and/or raised crosswalk

