

Harbor High School - 300 La Fonda Ave.

Grades:	9th - 12th
Number of Students:	989
Free/Reduced Meal %:	56.1% (District is 36.5%)
Students residing within a mile of school:	31%
Students using active transportation:	24%
Bike/Pedestrian injury or fatal crashes within half mile of school 2007-2012:	47 14 Pedestrian and 33 Bicycle (7 severe injuries and 1 fatality)

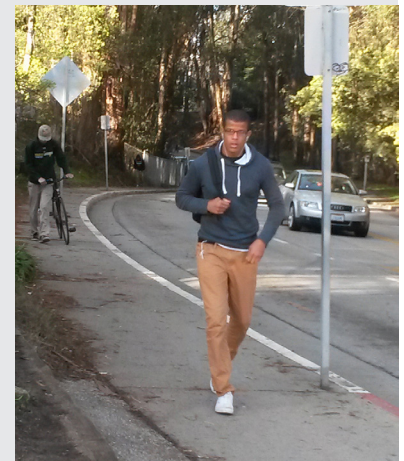


Bike/Walk Audit - November 15th, 2013

Participants: Vice Principal Keith Hodges, Neighbor Karen Davis, GreenWays to School Staff Tawn Kennedy, Bike Club Leader Sandino Gomez, Teachers Ken Prola and Eli Gregory, three Students, SC City Public Works Staff Cheryl Schmitt, EA Staff Emily Glanville and Jeanne LePage.

Overview

- Harbor High is located between Soquel Avenue (a major 4-lane thoroughfare) and the 6-lane Highway 1 freeway.
- The La Fonda Avenue Bridge, which crosses over Highway 1, provides access from the suburban Prospect Heights neighborhood directly to the school. The Santa Cruz County Regional Transportation Commission recently upgraded the bridge to accommodate pedestrians and cyclists.
- The majority of Harbor students reside southwest of the school in the Live Oak area, therefore most travel across and on Soquel Avenue.
- A sporadic student bike club is in existence and run by Greenways to School.
- The closest municipal bus stop is at the northwest corner of Soquel and Park.

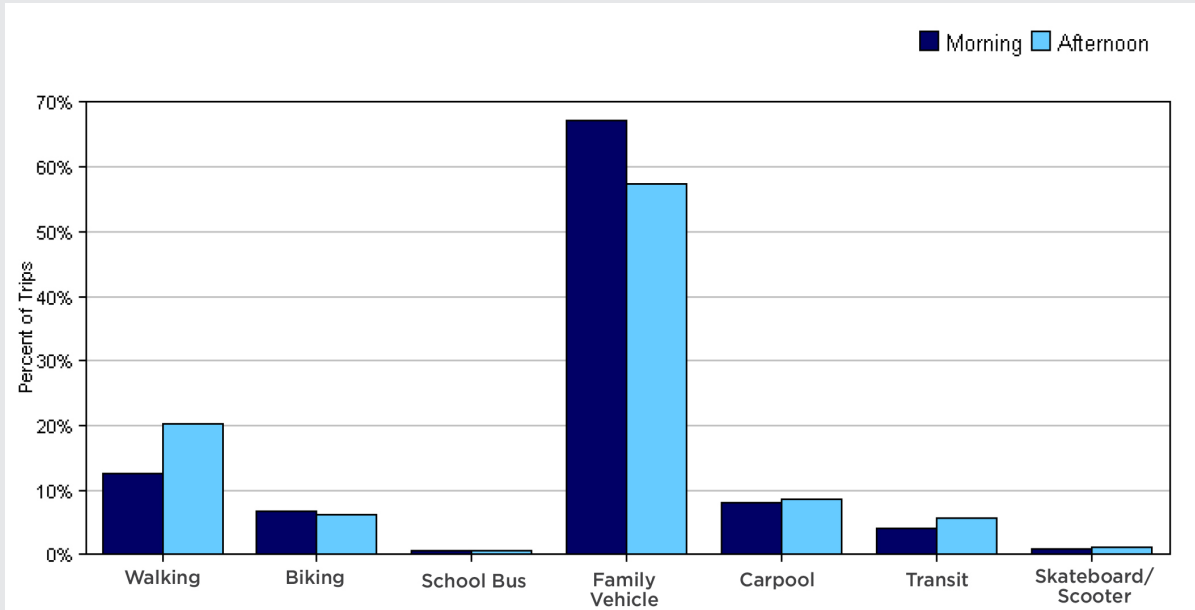


Analysis

- Soquel Avenue had 37 bike/ped injury crashes from 2007 - 2012. Seven of these injuries were severe. In December 2014 two serious crashes occurred within a week of each other and within blocks of the school--a pedestrian teen was struck in a crosswalk sustaining severe injuries and an adult cyclist was killed by a hit and run driver. This street has one of the highest bike and pedestrian crash rates in the county.
- There is one main access road leading to the school - La Fonda. This is a two-lane road with one northbound bike lane and parking along both sides of the road. As this is the major access point for traffic, there is a high volume of cars, bikes and pedestrians all converging on this narrow road in a short amount of time. Public comments from DeLaveaga as well as Harbor called out this area as a safety concern. Part of the solution could involve opening up other access points for bicyclists and pedestrians.
- 10 total locations were recommended for improvements with a total of 20 recommendations.

Student Mode Survey Results

In November 2013, 32 of the 9th-12th grade classrooms were surveyed by EA staff.



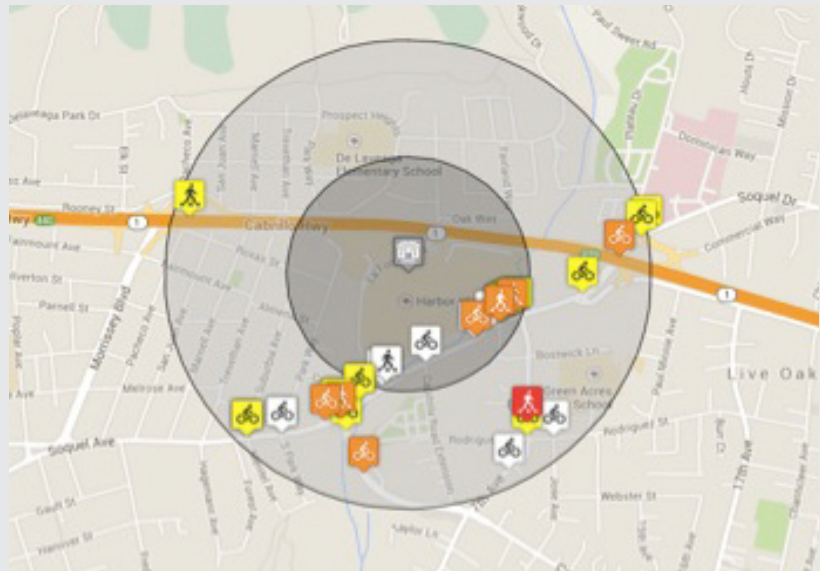
Parent Survey Results

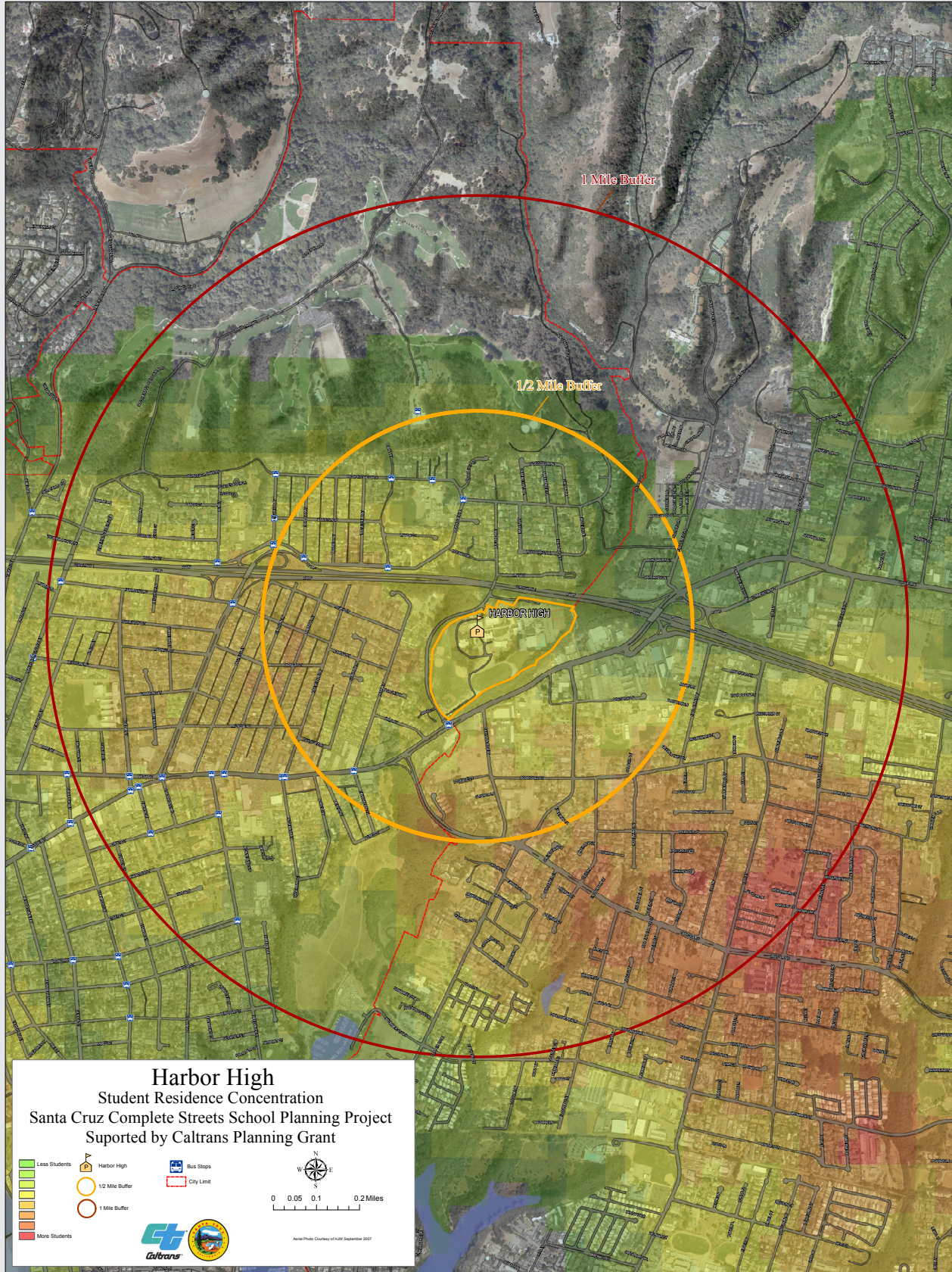
School elected not to have the parent survey administered.

Pedestrian and Bicycle Collisions Within a Half-Mile Radius of Harbor High 2007-2012:




47 (14 Pedestrian, 33 Bicycle, 1 fatality and 7 severe injuries)

Collision Severity	Involvement		
	Bike	Ped	Both
Fatal			
Injury (Severe)			
Injury (Other Visible)			
Injury (Complaint of Pain)			





Harbor High School Recommendations

	Location	Recommendation
1	La Fonda Avenue (front entry to school)	<ul style="list-style-type: none"> A. Narrow the driveway entrance to reduce the crossing distance for pedestrians and reduce the speed of turning vehicles B. Consider using a platooning drop-off/pick-up system in which all vehicles unload/load simultaneously, and all drivers must wait for the front vehicles
2	La Fonda Avenue & Soquel Avenue	<ul style="list-style-type: none"> A. Formalize the existing path entry for bicycles and pedestrians and create a path to the main campus
3	La Fonda Avenue	<ul style="list-style-type: none"> A. Repaint and add additional sharrows on southbound downhill lane to alert drivers to the presence of bicyclists B. If possible, widen sidewalk to provide additional pedestrian space C. Consider painting east side (uphill) bike lane green to distinguish it from the parking and travel lanes and to alert drivers to the presence of bicyclists; paint additional bike lane pavement legends 
4	Park Way	<ul style="list-style-type: none"> A. Install continuous sidewalk on at least one side of the roadway B. Designate as bicycle boulevard; add sharrows, signage, traffic calming
5	Park Way - La Fonda Avenue Path 	<ul style="list-style-type: none"> A. Formalize path entry and exit and widen entrance to accommodate multiple users B. Widen sidewalk area at La Fonda where path links to marked crosswalk C. Consider raised crosswalk and/or Rectangular Rapid Flash Beacons to enhance visibility of midblock crossing of La Fonda 

<p>6</p>	<p>Holway Drive & Morrissey Boulevard path</p>	<p>A. Formalize the entry/exit of the path between Morrissey Blvd and Holway Drive</p>
<p>7</p>	<p>Soquel Avenue & 7th Avenue</p>	<p>A. Formalize the path connecting Soquel Avenue to the back of the school: install lighting for night security, remove the chain across the top of the path, improve entry to accommodate bicyclists</p> <p>B. Install high visibility yellow crosswalk on east leg of intersection</p> <p>C. Review signal timing to evaluate reducing wait time for pedestrians</p> <p>D. Repaint existing crosswalks to high visibility yellow</p>
<p>8</p>	<p>Soquel Avenue</p>	<p>A. Repair sidewalk between La Fonda Ave and Bostwick Lane</p>
<p>9</p>	<p>Rodriguez Street & Jose Avenue Intersection</p>	<p>A. Install advanced yield lines at uncontrolled crosswalk</p> <p>B. Consider installing Rectangular Rapid Flash Beacon</p>
<p>10</p>	<p>Webster Street & 15th Street intersection</p>	<p>A. Trim landscaping on southwest corner of intersection to improve visibility</p>



Harbor High School Recommendations

Santa Cruz City Schools Complete Streets Master Plan
February 2015



- 1 La Fonda Ave (front entry to school)**
 - Narrow the driveway entrance to reduce the crossing distance for pedestrians and reduce the speed of turning vehicles
 - Consider using a platooning drop-off/pick-up system in which all vehicles unload/load simultaneously, and all drivers must wait for the front vehicles
- 2 La Fonda Ave and Soquel Ave**
 - Formalize the existing path entry for bicycles and pedestrians and create a path to the main campus
- 3 La Fonda Ave**
 - Repaint and add additional sharrows on southbound/downhill lane to alert drivers to the presence of bicyclists
 - If possible, widen sidewalk to provide additional pedestrian space
 - Consider painting east side (uphill) bike lane green to distinguish it from the parking and travel lanes and to alert drivers to the presence of bicyclists; paint additional bike lane pavement legends
- 4 Park Way**
 - Install continuous sidewalk on at least one side of the roadway
 - Designate as bicycle boulevard; add sharrows, signage, traffic calming
- 5 Park Way - La Fonda Path**
 - Formalize path entry and exit and widen entrance to accommodate multiple users
 - Widen sidewalk at La Fonda where path links to marked crosswalk
 - Consider raised crosswalk and/or Rectangular Rapid Flash Beacons to enhance visibility of midblock crossing of La Fonda
- 6 Holway Dr. and Morrissey Blvd Path**
 - Formalize the entry/exit of the path between Morrissey Blvd and Holway Drive
- 7 Soquel Ave and 7th Ave**
 - Formalize the path connecting Soquel Avenue to the back of the school: install lighting for night security, remove the chain across the top of the path, improve entry to accommodate bicyclists
 - Install high visibility yellow crosswalk on east leg of intersection
 - Review signal timing to evaluate reducing wait time for pedestrians
 - Repaint existing crosswalks to high visibility yellow
- 8 Soquel Ave**
 - Repair sidewalk between La Fonda Ave and Bostwick Lane
- 9 Rodriguez St and Jose Ave**
 - Install advanced yield lines at uncontrolled crosswalk
 - Consider installing Rectangular Rapid Flash Beacon
- 10 Webster St and 15th St Intersection (not shown on map)**
 - Trim landscaping on southwest corner of intersection to improve visibility



Harbor High School Non-Infrastructure Recommendations

1. Consider holding annual bike safety clinic to teach bike safety to students.

Ecology Action offers presentations and on-the-bike safety training for older students when short term funding is available. Safety education is fundamental to improving bike and pedestrian safety. This seems particularly important for incoming 9th graders who may be biking for the first time.

2. Consider Carpool Reward Program for incoming 9th graders to increase carpooling.

Program does not currently exist. School could pair incoming 9th graders that live near one another to encourage carpooling. Raises potential for long-term carpooling relationships.

3.. Consider increasing biannual Bike/Walk to School event to monthly event to encourage more frequent bike/walk trips.

Ecology Action has offered a monthly (rather than biannual) event to several local schools with the intent of building a regular habit rather than a special event. Numbers indicate this approach may increase daily active commuting totals.

4. Peer to Peer bike safety education and encouragement by Harbor High bike club members.

Have experienced bike club members teach bike safety as well as promote more frequent bike riding to school.

5. Promote municipal bus routes as viable transportation option.

Some students already use the public buses but more could be done at the beginning of the school year to promote additional usage. School could promote most convenient routes and facilitate bus pass purchase at fall back to school events.

6. Circulate bike maps, resource list and bike cage promotion every fall to students to encourage bike/walk trips.

Encourage students to bike through education and encouragement of the activity. Use outreach to build participation in school Bike Club.

