

Bicycle Pedestrian Commission
Agenda Item #3
January 18, 2023

Bicycle Pedestrian Commission



CUPERTINO

January 18, 2023

Bicycle Pedestrian Commission

Bicycle Facilities



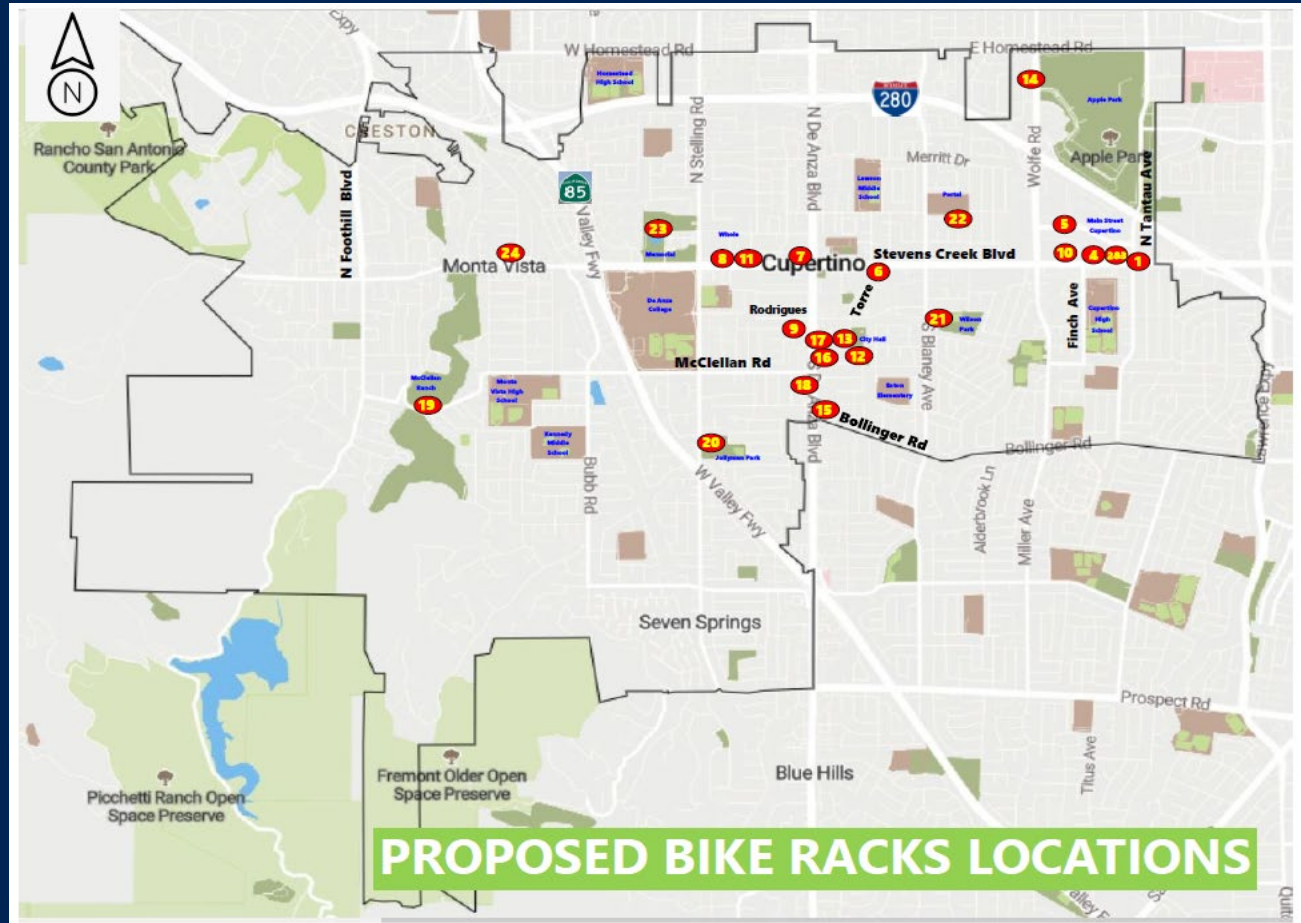
CUPERTINO

January 18, 2023

Bicycle Facilities

- Workplan Item FY22-23
- BPC Discussion 8-17-22 and 10-19-22
- 8-17-22 Recommendation:
 - Return to BPC with list of recommended locations for bicycle facilities
 - Review building codes and planning requirements related to new developments
- 8-17-22 Recommendation:
 - Include bike racks in Monta Vista/Post Office vicinity and Memorial Park
 - Research different bike rack styles

Bicycle Facilities – Proposed Locations



Bicycle Facilities – Proposed Locations

- 1) NW corner of Stevens Creek Blvd and Tantau Ave
- 2) E. of Stevens Creek Blvd and Lazy Dog driveway
- 3) W. corner of Stevens Creek Blvd and Lazy Dog driveway
- 4) NE corner of Stevens Creek Blvd and Main St
- 5) 300' E. of Wolfe Rd/Vallco Parkway (EB)
- 6) SE corner of Stevens Creek Blvd and Torre Ave
- 7) NW corner of Stevens Creek Blvd and De Anza Blvd
- 8) W. of Stevens Creek Blvd and Whole Foods driveway
- 9) SW corner of De Anza Blvd and Rodrigues Ave
- 10) In front of Target at Stevens Creek Blvd/Main St
- 11) E. of Stevens Creek Blvd and Whole Foods driveway
- 12) Library Field

Bicycle Facilities – Proposed Locations

- 13) Town Center Ln
- 14) NW corner of Wolfe Rd and Apple Parkway
- 15) NE corner of De Anza Blvd and Bollinger Rd, near the bus stop
- 16) NE corner of De Anza Blvd and Civic Park Ln
- 17) SE corner of De Anza Blvd and Town Center Ln
- 18) SW corner of De Anza Blvd and McClellan Rd. (north of bus stop)
- 19) McClellan Ranch Parking Lot
- 20) Jollyman Park
- 21) Wilson Park
- 22) Portal Park
- 23) Memorial Park
- 24) Monta Vista

Bicycle Facilities – Types of Bike Racks

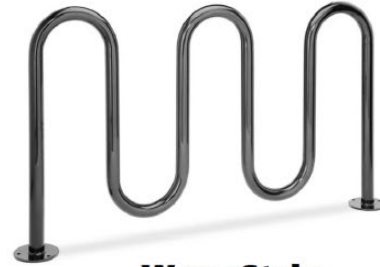
Types of Bike Racks



Inverted U



Post and Ring



Wave Style



Circular



Ring

Bicycle Facilities – Types of Bike Racks



Most popular

- Two bike capacity
- Two points of contact for bike



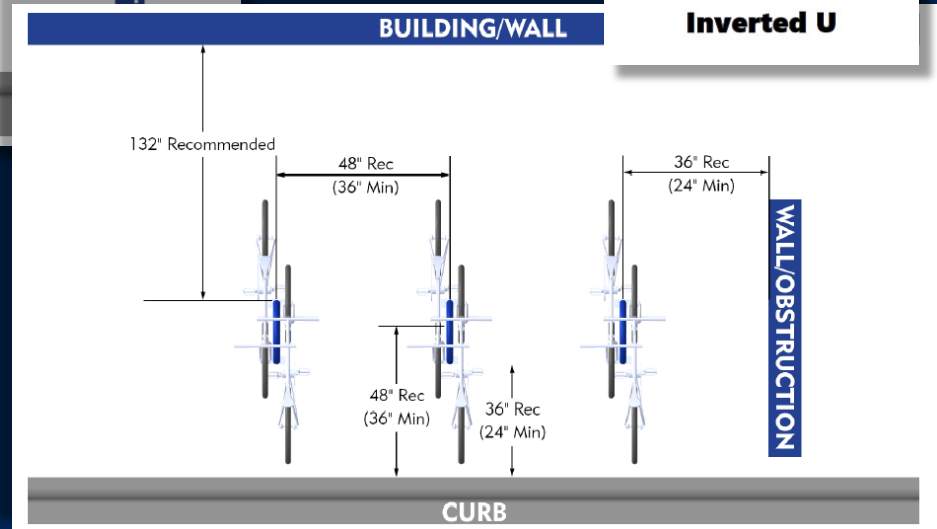
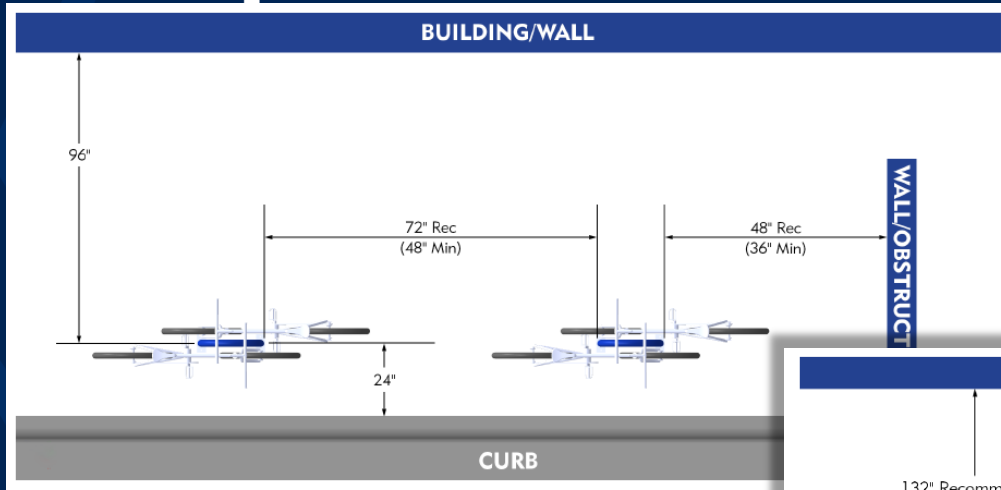
Bicycle Facilities – Types of Bike Racks



Not recommended

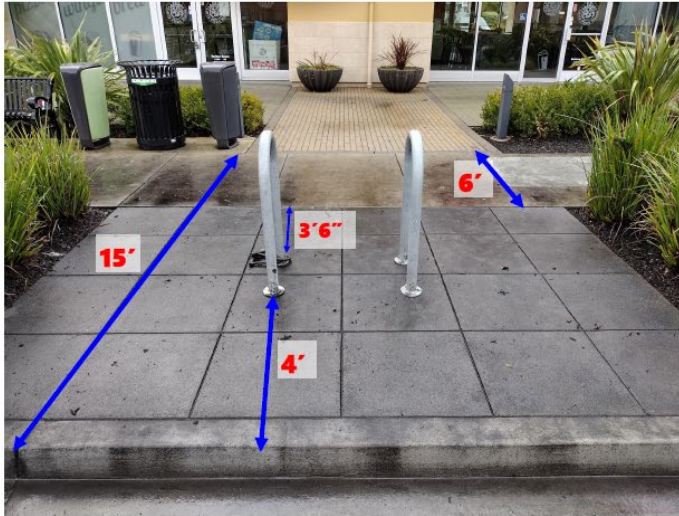
- Seven bike capacity
- Unstable
- Difficult to use interior spots

Bicycle Facilities – Inverted U Detail

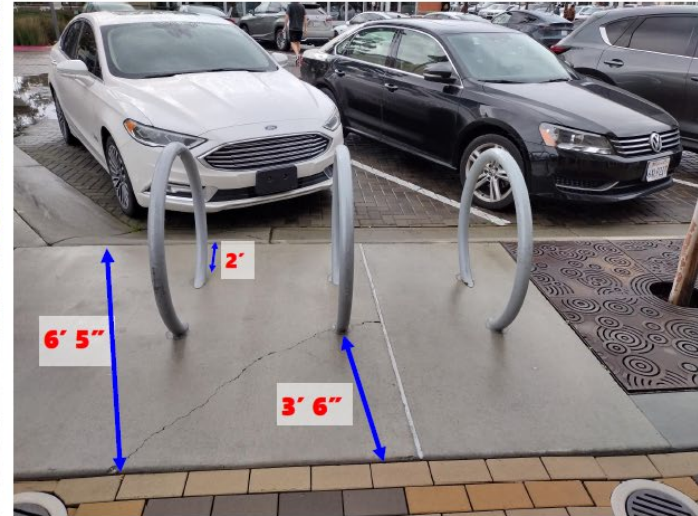


Bicycle Facilities – Existing Cupertino

Existing Bike Racks

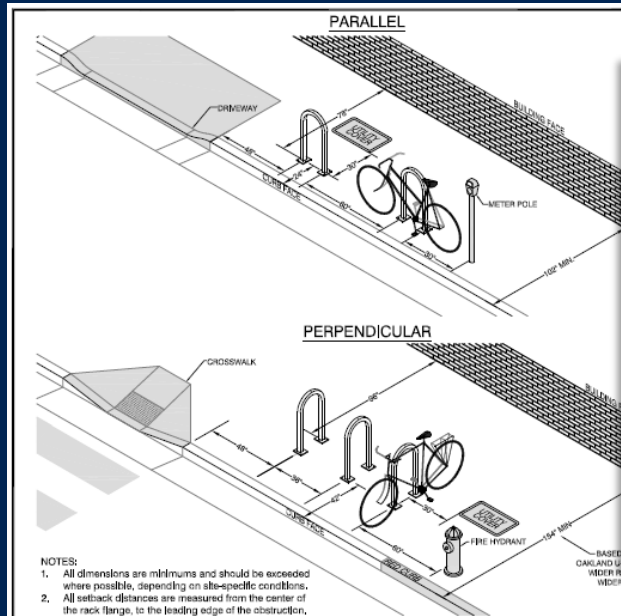


West of Stevens Creek Blvd & Blaney



Main Street Driveway

Bicycle Facilities – Oakland Detail



OAKLAND INVERTED U-RACK



Minimum Setback Distance	Obstruction Type
24\" (parallel)	Curb face, building face (if rack is sited adjacent)
42\" (perpendicular)	
30\"	Light pole, newspaper rack, sign pole, USPS mailbox, tree well, street furniture, trash can, surface hardware (PG&E, cable gratings, etc.)
48\"	Curb ramps, crosswalk, wheelchair loading zone, storm drain inlet, BART entrance, blue zone (disabled parking), driveway, AC transit red zone or shelter
60\"	Fire hydrant



CITY OF OAKLAND

DEPARTMENT OF TRANSPORTATION
BICYCLE & PEDESTRIAN PROGRAM
300 FRANKLIN SQUARE, 4TH FLOOR, SUITE 2000 • OAKLAND, CA 94612
916.233.5600 • FAX 916.233.2824

TYPICAL LAYOUTS:
INVERTED U-RACK
SHEET 1 OF 6

BICYCLE RACK
GUIDELINES

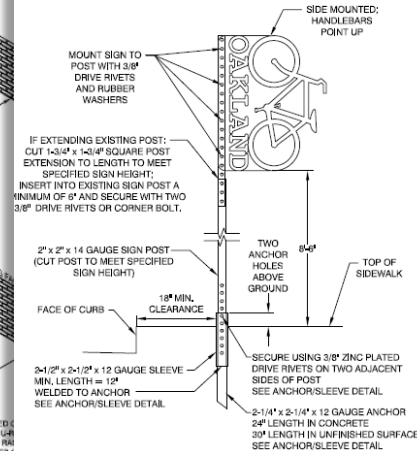
SCALE: NOT TO SCALE

DWG. NO.

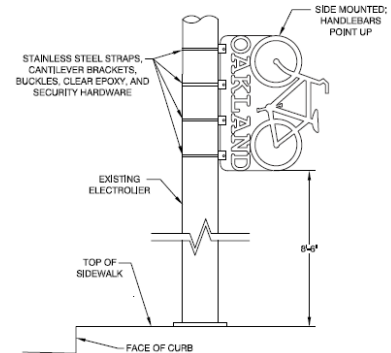
DATE: 7/18/2016

BR-1

ON SQUARE POST

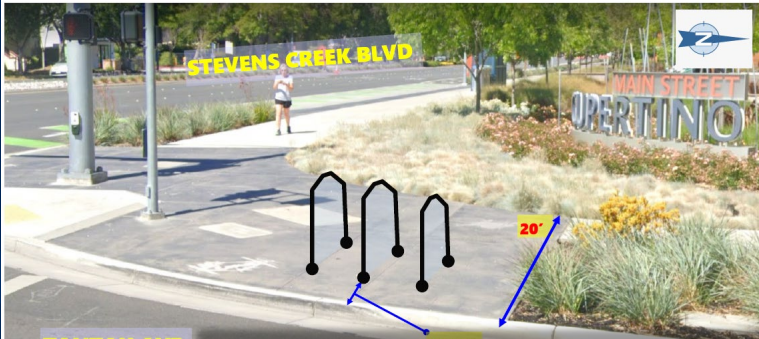


ON ELECTROLIER

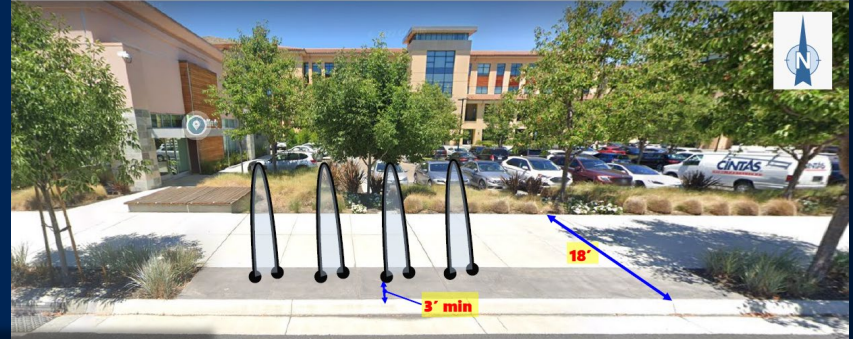


Bicycle Facilities – Cupertino Examples

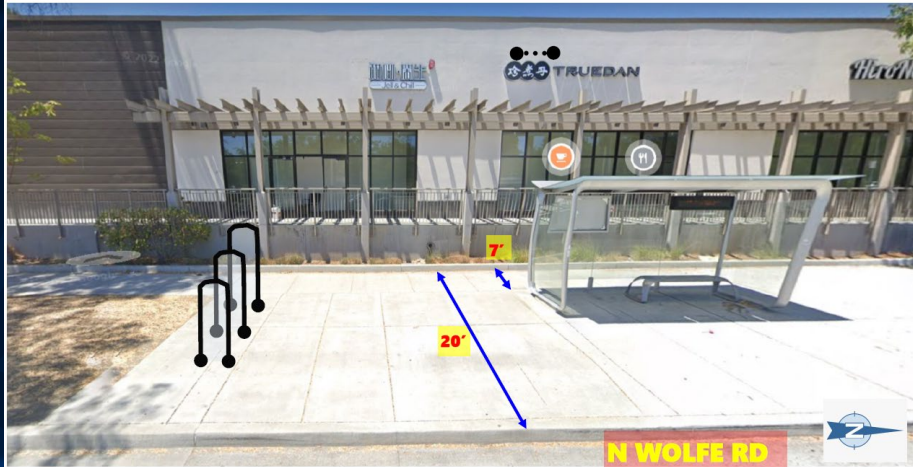
North West Corner of Stevens Creek Blvd and Tantau Ave.



East of Stevens Creek Blvd and Lazy Dog Driveway.



Northwest Corner (Bus stop) of N Wolfe Rd & Apple Parkway.



Bicycle Facilities – Next Steps

Bicycle Pedestrian Commission:

- Approve recommended location list
- Recommend type(s) and orientation of bike rack

Transportation Division Staff:

- Contact vendor, perform site visits
- Proceed with installations
- Develop City standard and typical details
- Proceed with Step 2 of Workplan item, reviewing building codes and planning requirements

Bicycle Pedestrian Commission

Bicycle Facilities

End Slide



CUPERTINO

January 18, 2023

Bicycle Pedestrian Commission

Pedestrian Safety – Education & Enforcement



CUPERTINO

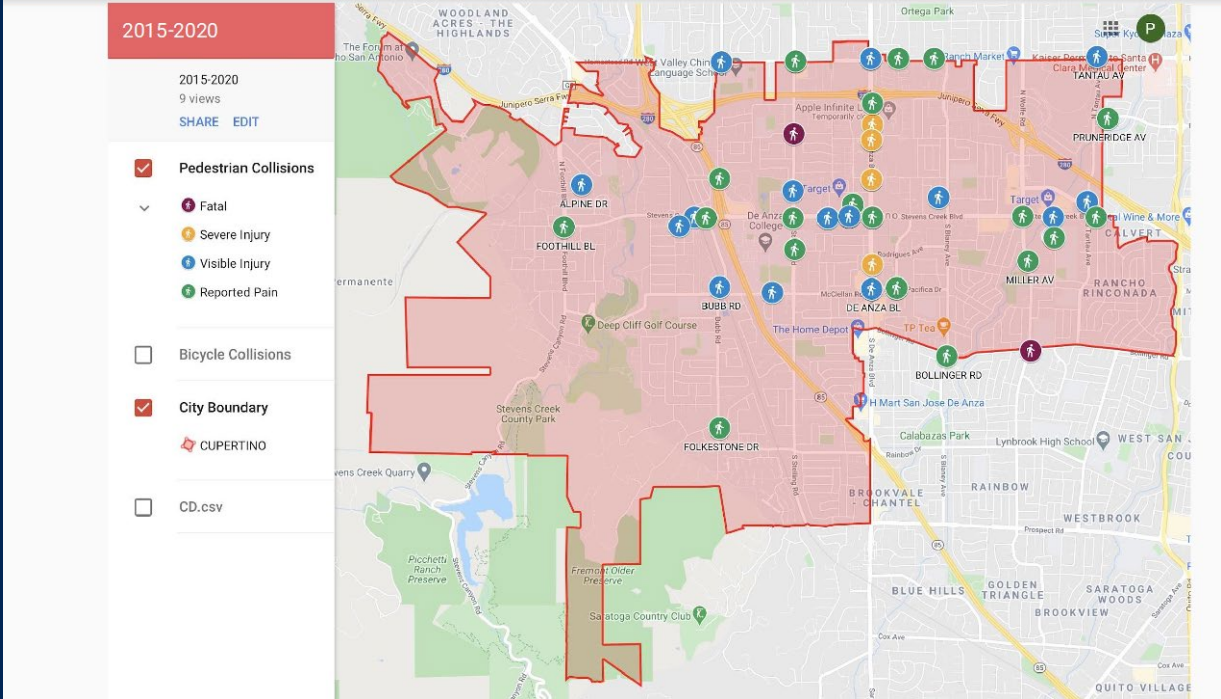
January 18, 2023

Outline

- Pedestrian involved collision data in Cupertino
- CA statewide data
- Pedestrian Safety Aspects
 - Best practices & safety tips for pedestrians
 - Best practices & Safety tips for drivers
- Mitigation Measures
 - VTA program for pedestrian safety
 - Education/resources
 - Enforcement

Cupertino Pedestrian collision data

Pedestrian Collisions Map



Source: Cupertino traffic collision data analysis: BPC agenda item 3, Jul 21, 2021

Cupertino Pedestrian collision data

Cupertino Pedestrian Collisions by Street

(2015-2020)

Street Name	Crashes
Stevens Creek Boulevard	14
De Anza Boulevard	13
Stelling Road	6
Homestead Road	5
Finch Avenue	3
McClellan Road	3
Bollinger Road	2

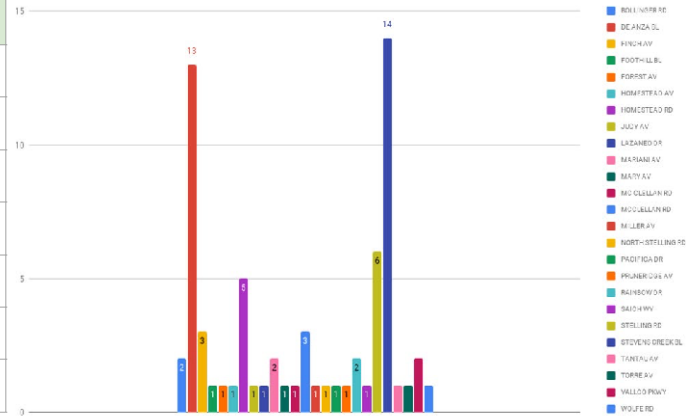


Table 6. Most frequent pedestrian collisions by primary street

Source: Cupertino traffic collision data analysis: [BPC agenda item 3](#), Jul 21, 2021

California Statewide data

- According to California office of Traffic Safety, pedestrian fatalities and serious injuries are on the rise
 - 26% increase in fatalities from 2014 to 2018, California rate is 25% higher than the national average
- See data from California office of Traffic Safety (OTS)
- While all pedestrians are at risk, older adults and children are at a higher risk
- Multiple state agencies want to bring awareness to CA public about the dangers pedestrians face so injuries & fatalities can be reduced

Best Practices/Safety tips for Pedestrians

- Pedestrians to make themselves more visible
- Wear bright clothes
- Carry flashlight or wear reflectors when walking at night
- Always walk on sidewalks, avoid jaywalking, use cross walks
- Make eye contact with drivers, don't assume cars will stop while crossing or at stop signs
- Stay off phones or texting while walking on city streets & crossings
- Look before you start crossing, look all sides, left, right and left before crossing
- Obey traffic signals
- Watch for cars coming out of driveways, parking spaces, etc.,
- For further guidelines on pedestrian safety, see DMV guidelines [Bicyclist and Pedestrian Safety - California DMV](#) & [California office of Traffic Safety](#)

Best Practices/Safety tips for Drivers

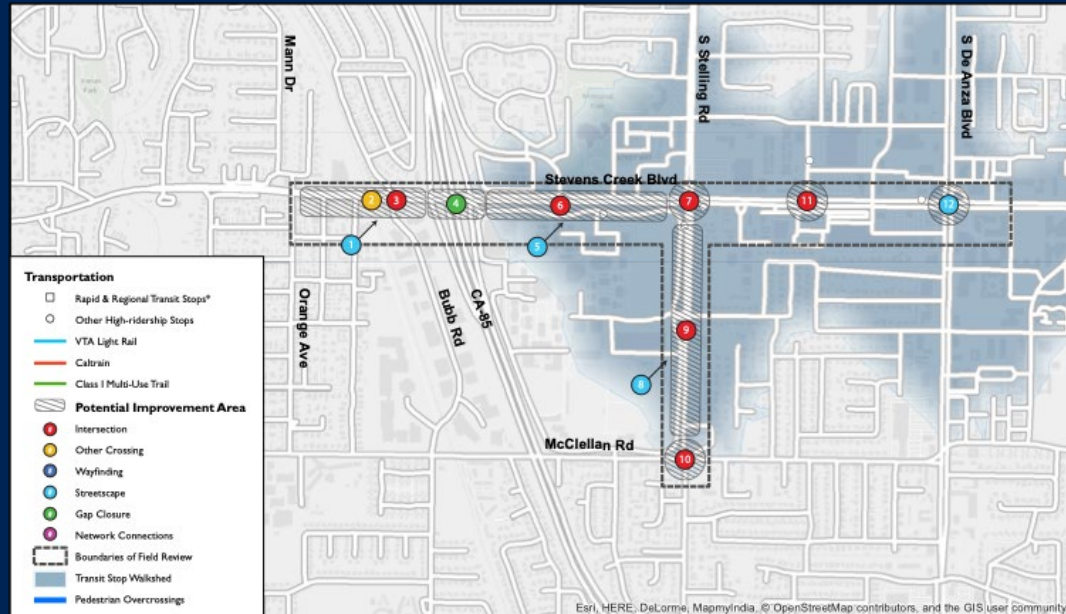
- Drivers to follow speed limits and be cautious about the surroundings
- Look out for pedestrians especially at crossings, stop signs, and while turning
- Drive carefully at night when pedestrians may not be visible
- Pedestrians have the right of way, so yield and prepare to stop
- Don't cross the stop line on crosswalks or intersections
- Don't pass vehicles stopped at cross walks, pedestrians may be crossing
- Be cautious when backing up, especially in residential streets, driveways
- Look for school zones and young children on residential streets
- Never drive under the influence
- For further guidelines on pedestrian safety, see DMV guidelines [Bicyclist and Pedestrian Safety - California DMV](#) & [California office of Traffic Safety](#)

VTA program for pedestrian safety

- VTA pedestrian program to make walking a safer/comfortable option for Santa Clara county residents and visitors
- VTA pedestrian access to transit plan (2017)
- To improve the safety, comfort, and convenience of the walking environment for transit passengers
- The Plan supports the mission and vision by identifying twelve Focus Areas in Santa Clara County—areas with high VTA bus ridership and high need for pedestrian infrastructure improvements
- In Cupertino, Stevens creek and Stelling Rd identified as Focus area for pedestrian infrastructure improvements as part of VTA Pedestrian access to transit plan (2017)
 - Plan recommendations being implemented as opportunities and resources allow; many recommendations incorporated into larger bike and ped safety projects

VTA program for pedestrian safety

- Improvement recommendations include crosswalk striping, curb ramp upgrades, sidewalk widening, and bus stop upgrades. Improvements being completed by VTA or incorporated into larger City bike and ped safety projects



Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community

Pedestrian safety improvements (infrastructure)

- Sidewalk safety improvements
- Keeping the hedges, shrubs, trees trimmed, remove obstructions from walkways
- Keep the streets lighted
- Recent City pedestrian improvements:
 - Stelling/Alves crosswalk and flashing beacon
 - Crosswalk added east leg SCB/Finch
 - Ongoing accessible ramp upgrades
 - Flashing yellow right arrow at SCB/Finch and SCB/Wolfe
 - Orange Ave and Byrne Ave sidewalk installation

Education/resources

- Everyone is a pedestrian
- Encourage pedestrians to follow safety practices and create a safer environment to make Cupertino's roads safer
- Encourage drivers to follow safer driving practices
- Create public awareness, campaigns during ped safety month (Sep)
- Partner with City SR2S and schools on pedestrian safety programs
- Explore partnering with state and county organizations on resources, public education campaigns, workshops, guides, PedSafe tools (e.g., CPDH CA PedSafe program), NHTSA resources, etc.,
- VTA pedestrian program to make walking a safer/comfortable option for Santa Clara county residents and visitors
- Cupertino Safe Routes to School – 2nd grade pedestrian education ongoing; pedestrian event for kindergartners in development

Enforcement

- City contracts with Santa Clara County Sheriff for enforcement
- Sheriff partners with City SR2S and Transportation Division
 - Patrols at schools during drop-off and pick-up times
 - Crosswalk stings
- Ongoing two-way communication with Sheriff relating to observed/documentated problem areas and proposed solutions

Next Steps

- Discussion
- Action Plan

END SLIDE

**City of Cupertino
Bicycle Pedestrian Commission**



CUPERTINO

January 18, 2023