



Santa Cruz County Regional Transportation Commission

1523 Pacific Avenue

Santa Cruz, CA 95060

(831) 460-3200, info@sccrtc.org , www.sccrtc.org

Pedestrian Safety Work Group

(A subcommittee of the RTC's Elderly & Disabled Transportation Advisory Committee)

Santa Cruz Regional Transportation Commission

1523 Pacific Avenue, Santa Cruz, CA

Agenda –Thursday, August 30, 2018 @ 2:00 pm to 4:00 pm

- 1. Introductions**
- 2. Additions or Deletions to the agenda**
- 3. Review April 26, 2018 Meeting Notes
(postponed to this meeting – no quorum at May 24 meeting)**
- 4. Review May 24, 2018 Meeting Notes**
- 5. Pedestrian Hazard Reporting System**
- 6. Construction Guidelines**
- 7. Cruz511 Outreach and Messaging**
- 8. Next Meeting Date (September 27, 2018) & Topics**
 - Sidewalk Maintenance FAQ**

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DRAFT
Pedestrian Safety Work Group – 4/26/2018

Attendees: Veronica Elsea (Chair), Grace Blakeslee, John Daugherty, Joanna Edmonds, Cara Lamb, Jon Bailiff

1. Introductions

2. Additions or deletions to the agenda

3. Received Notes from 3/20/18 meeting

Jon Bailiff made a motion to amend minutes to reflect an action item deferring distribution of the bicycle pedestrian brochure. John Daugherty seconded the motion with the amendment to include time when called to order and when adjourned. Cara Lamb, John Daugherty, Jon Bailiff, and Veronica Elsea voted aye to carry motion.

4. Reviewed Pedestrian Hazard Reports

Jon Bailiff made a motion that RTC staff explore possibilities for improving functionality (follow up and responsiveness of responsible agency) and accessibility of pedestrian and bicycle hazard reports short-term and long-term. Cara Lamb seconded the motion. Veronica Elsea, Cara Lamb, and Jon Bailiff voted aye to pass motion. John Daugherty was not present for this motion.

5. Discussed Pedestrian/Bicycle Brochure outreach

Jon Bailiff made a motion to request that RTC staff bring information to the next meeting about what projects are currently underway that address bicycle and pedestrian safety in Santa Cruz County. John Daugherty seconded the motion. Cara Lamb, Veronica Elsea, Jon Bailiff, and John Daugherty voted aye to pass the motion.

6. Pedestrian Safety Workgroup Work Program

Workgroup members discussed possible areas to focus on over the next year, such as the Safe Paths of Travel and Sidewalk Maintenance reports.

7. Reviewed Action items

- Schedule meetings for remainder of 2018
- Feedback about improvements to hazard reporting system
- Information regarding the RTC's bicycle and pedestrian safety efforts
- Review Safe Paths of Travel and Sidewalk Maintenance reports

8. Next Meeting Dates & Topics

DRAFT
Pedestrian Safety Work Group – 5/24/2018

Attendees: Veronica Elsea (Chair), Grace Blakeslee, John Daugherty, Joanna Edmonds

1. Introductions

2. Additions or deletions to the agenda

None

3. Received Notes from 4/26/18 meeting

Notes will be considered at the next meeting due to lack of quorum.

4. Pedestrian Hazard Reporting System

RTC staff will meet with local jurisdictions to discuss the hazard reporting system and to get input about possible improvements to the system.

5. Safe Paths of Travel Report

The Pedestrian Safety Work Group will consider this item in November and provide input to local jurisdictions about priority projects to be considered for Measure D funding and for inclusion in local jurisdictions capital improvement plan, if appropriate.

6. Sidewalk Maintenance Report

The Pedestrian Safety Work Group will discuss the Sidewalk Maintenance Report at the next meeting.

7. Bicycle and Pedestrian Safety Report

Workgroup members requested feedback from Cruz511 staff about where elderly and disabled pedestrian safety messaging can be included in Cruz511 outreach efforts.

8. Brochure Outreach

No update

9. Next Meeting Dates & Topics

- **Next Meeting- July 26, 2018**
- **Pedestrian Hazard Reporting System**
- **Sidewalk Maintenance Report**
- **Elderly and Disabled Pedestrian Safety Messaging**

Hazard Reports

Date	First Name	Last Name	Location	Cross Street	City	Category	Additional Comments	Forwarded to	Forwarded Date	Response
08/22/18	Teresa	Aquino	1930 Ocean St Ext	Graham Hill Rd	Santa Cruz	Ped: Lack of wheelchair access, Sidewalk too narrow, No crosswalk or striping	Teresa is really concerned about what is going to happen to this section of road. There is going to be a bio swell in front of the new sidewalk and Teresa is concerned because there will be no bike lane, no cross walk, and no stop sign there and feels like it is going to be extremely dangerous for everyone especially someone in a wheel chair. She would like someone to contact her so that she could express her concerns.	Jim Burr	08/24/18	
08/22/18	Richard	Stover	2565 Mission St	Swift St	Santa Cruz	Ped: damaged/missing sidewalk	PG&E removed the sidewalk more than a month ago to replace the utility pole. It would be good if the sidewalk is fixed before the rains begin. There is a patch of missing sidewalk around a utility pole cable anchor position. This is not visible in the photo. Utility pole ID number: 120243457 Also, the PG&E truck leaked a large amount of oil which has flowed along a stretch of the street gutter in this location. If this is not cleared up it will be washed into the Bay when the rains come.	Jim Burr	08/22/18	
08/10/18	Debbie	Bulger	623 California St	Rigg St	Santa Cruz	Ped: Vegetation blocking sidewalk	Sidewalk blocked with vegetation at California and Rigg in Santa Cruz. Address of house is 623 California Street Hazard is on Rigg sidewalk. Tree branches hang down over sidewalk. See photo. Tree is on Rigg.	Jim Burr	08/13/18	8/14/18 Jim Burr: Debbie, This request is being routed to the appropriate City staff. Thanks
08/07/18	Richard	Stover	201 Berkshire Ave	Glover St	Santa Cruz	Ped: Jump bikes blocking sidewalk	Lack of wheelchair access, JUMP electric bikes. This was from yesterday. Our neighbors in wheelchairs can get through here. There should be a way to charge riders extra if they block the sidewalk. The bike numbers are visible in the photo. This is a re-submission with the photo cropped to be below the maximum file size.	Claire Fliesler, Jump bikes support	08/08/18	8/8/2018 Kellie A. (support@socialbicycles.com): Thank you for contacting JUMP. Your request (#48756) has been received and is being reviewed by our support staff. We will be getting back to you shortly. To add additional comments, reply to this email or click the link below: https://help.jumpbikes.com/hc/requests/48756
08/07/18	Richard	Stover	201 Berkshire Ave	Glover St	Santa Cruz	Ped: Jump bikes blocking sidewalk	Lack of wheelchair access, JUMP electric bikes. This was from yesterday. Our neighbors in wheelchairs can get through here. There should be a way to charge riders extra if they block the sidewalk. The bike numbers are visible in the photo.	Claire Fliesler, Jump bikes support	08/08/18	8/8/2018 Kellie A. (support@socialbicycles.com): Thank you for contacting JUMP. Your request (#48756) has been received and is being reviewed by our support staff. We will be getting back to you shortly. To add additional comments, reply to this email or click the link below: https://help.jumpbikes.com/hc/requests/48756
08/07/18	Richard	Stover	1212 Laurel St	Mission St	Santa Cruz	Ped: Jump bikes blocking sidewalk	Laurel St. sidewalk at first house past the Food Bin. Lack of wheelchair access, JUMP electric bikes. You can see the bike number in the photo.	Claire Fliesler, Jump bikes support	08/08/18	8/8/2018 Kellie A. (support@socialbicycles.com): Thank you for contacting JUMP. Your request (#48756) has been received and is being reviewed by our support staff. We will be getting back to you shortly. To add additional comments, reply to this email or click the link below: https://help.jumpbikes.com/hc/requests/48756
08/07/18	Michael	Lewis	East Cliff Dr	5th Ave	Santa Cruz	Ped: Bike racks on sidewalk, lack of bike signs	There are two intersecting problems at the Twin Lakes Beach project. 1) Bike racks are placed in several places on the sidewalk, encouraging bicyclists to ride their bicycles on the sidewalk. There are no signs directing bicyclists to not ride on the sidewalk and to ride in the marked bike lanes. 2) The bike lane coming from 7th avenue stops abruptly at the approach to the roundabout, leaving bicyclists unsure of how to proceed. The bike lane starts again on th opposite side of the roundabout. 3) There are no signs directing bicycle traffic through the harbor to Eaton Street and the bridge across the harbor. As a result, bicyclists ride on the busy sidewalk against the flow of traffic on the one-way Lake and 5th streets. When they reach Eaton, they continue across the bridge on the very narrow sidewalk rather than crossing Eaton to proceed in the bike lane. This problem has gone on for years, and planners refused to acknowledge this in plans for the Twin Lakes Beach project and the proposed seismic retrofit of the harbor bridge.	County DPW	08/08/18	8/8/2018 Jana Vargas (DPW): Good afternoon, I am in receipt of your issues at Twin Lakes Beach. I will be forwarding your report the Traffic Division of Public Works for their review and reply. Thank you for taking the time to report this issue.
07/11/18	Brett	Garrett	817 California Street		Santa Cruz	damaged sidewalk, lack of wheelchair access	Severe damage to sidewalk. Trip hazard. I don't think a wheelchair could get through.	James Burr	07/12/18	07/12/18 JB: This complaint has been forwarded to the correct City staff. The property owner will be put on notice of the trip hazard.

Hazard Reports

Date	First Name	Last Name	Location	Cross Street	City	Category	Additional Comments	Forwarded to	Forwarded Date	Response
06/29/18	Carolyn	Swift	Trout Gulch	Aptos St.	Aptos	Pedestrian Crossing Hazard	Crosswalk is dangerous for pedestrians crossing from the Bayview Hotel side of Trout Gulch toward Aptos Street. A number of older, women shoppers from the popular Caroline's thrift store cross over the street to Jet Set Bohemian and then return. The difficulty is that traffic stops at the intersection and the crosswalk is set some distance back. Cars stop in or obscure part of the crosswalk, or are stopped in such a way that the signal light that gives permission to cross is difficult to see. Cars coming out of Aptos Street are also apt to swing into the crosswalk in an attempt to get into position to go through the intersection. They are focused on the intersection and NOT on people in the crosswalk. Also, when a big truck or van is at the intersection, heading from Trout Gulch left or straight across Soquel Drive, the size of the vehicle blocks the view of other cars that are headed north on Trout Gulch. Unless a pedestrian is extremely alert, they could be hit by a car accelerating through, because they are hidden from view.	DPW	06/29/18	On 6/29/2018 DPW Replied: I will be forwarding your report to Public Works Transportation / Traffic division along with sending this to Public Works Design division for their attention and reply.
06/18/18	Kevin	Sullivan	112 Marina Ave		Aptos	Lighting Problem	Street Lamp out	DPW	06/18/18	on 6/19/2018 DPW replied: I will forward this message to our Traffic Division for them to review the Hazard Report.
06/07/18	Virginia	Vaquero	Ocean St	Water	Santa Cruz	Signal Light not functioning	Walk signal is not functioning. Red light does not light up when button is pushed. In addition the button feels weird like it doesn't go in.	Jim Burr	06/07/18	Jburr replied on 6/7/2018:With this email the correct City crew has been notified. Thanks for reporting.
05/07/18	Ryan	Moroney	Soquel Ave	Trout Gulch	Aptos	Debris on shoulder	The Aptos Village project appears to be creating a lot of debris along Trout Gulch and Soquel. The Contractor should clear the bike land/ shoulder of debris weekly at minimum as part of BMPs. In addition, a lot of debris (glass, gravel, etc.) has built up along Soquel Drive along entire north bound commute length (Aptos to Santa Cruz) and needs to be street swept.	County DPW	05/07/18	5/7/2018 DPW replied: I am in receipt of your issue debris at Trout Gulch part of the Aptos Village Improvements Project. I will be forwarding this request to our Construction division and Design division engineers of Public Works. I will also be forwarding your request for sweeping the bike lanes on Soquel Drive to our Brommer maintenance vard
05/06/18	Shelley	Hatch	Soquel Avenue	Branciforte	Santa Cruz	Vehicles or objects blocking the sidewalk	The new ebike rental hub in front of the Buttery empty lot on Soquel is a hazard. The bikes are not in it as of today, May6, and it is already impeding pedestrians. When the bikes are added to the rack (17 e bikes),the amount of sidewalk that will be unuseable will be hard to even imagine. That is because the city's plan allowed the company to put the rack directly	Jim Burr	05/07/18	07/12/18 JB: This is not a hazard report. Thanks for your comments
05/05/18	Ryn	Stein	Ocean St	Soquel	Santa Cruz	Traffic signal problem	Button to cross soquel doesn't seem to be working.	Jim Burr	05/07/18	
05/04/18	Pamela	Silbaugh	137 Dakota Avenue	Ocean St	Santa Cruz	Rough pavement of potholes	The pedestrian ramp at the (Paradox Hotel) corner of Dakota & Ocean St, leads into the cross-walk into a worn-out GAP in the road. This causes the pedestrian's shoe to get stuck in it while they are trying to be mindful of cars and bikes coming and going to/from Dakota street. This needs at least a temporary filler to flatten it out.	Jim Burr	05/07/18	ON 5/10/2018 Jburr stated: This email forwards your report to the appropriate crew for repair. They will add this to their workplan for evaluation and prioritize it with other needs across the City.
5/29/2018	Sue	Fitchen	Highland Ave	Highland	Santa Cruz	Plant overgrowth or interference	Location Concrete stairs and path leading from Hghland Avenue, Santa Cruz 95060 (before the switch back) to Highland Avenue after the road switch back. Many walkers and bikers use this path which has been there for over 40 years. The neighbors next to the path DO NOT keep rose bushes, trees, and other plants from growing over the path.	Jim Burr	5/29/2018	6/1/2018 Jburr replied: Staff will check the property adjacent. If City, we will trim, If private, letter to trim will be sent
5/21/2017	Robert	Esposito	260 Spreckels Drive	Seacliff Dr. E	Aptos	Plant overgrowth or interference, Lack of sidewalk, Sidewalk too narrow	Ground ivy and tree branches force pedestrian and bike traffic into car lane on a blind curve. Very dangerous with the combo of fast drivers, slow walkers in car lane and blind curve. Needs trimming maintenance to reclaim road shoulder	County DPW	5/22/2018	On 5/23/2018 DPW Replied: I am in receipt of your issue of overgrowth in the County right of way. I will be forwarding your report to out to our Brommer maintenance yard (831) 477-3999 and our Encroachments division of Public Works. Thank you for taking the time to report this issue.
5/17/2018	Melissa	McCouston	946 El Rancho	Carbonera	County of Santa Cruz	Plant overgrowth or interference, debris on Shoulder or bikeway	Tall grass on the shoulder of the road inhibits walking or riding on the shoulder and requires pedestrians and bicyclists to walk/ride in the traffic lanes. There is plenty of shoulder there for both if it were cleaned up between Carbonera and Pasatiempo ramp. Several pedestrians walk this section of road daily.	DPW & Jim Burr	5/17/2018	
04/27/18	Cecilia	Carrillo	Bay St	Kenneth Street	Santa Cruz	No crosswalk or striping, Other	No cross-walk markings. Cars speed up and down at all hours. No safe way to cross, side walk present in this area. Stretch between King St and Iowa Dr gives drivers incentive to go over the speed limit. I believe a roundabout would make this a safer street to cross because cars speed up and down Bay St on a daily basis. Both pedestrians and cyclists have to wait to safely cross the street to avoid being run over by a speeding car.	Jim Burr	04/27/18	on 5/1/2018 J. Burr replied: The City is in the final design phase on a project for this area that will be built this summer/fall. Project includes the construction of sidewalk on the west side of Bay between King and Escalona, protected left phase for left turns onto King and increased lighting along Bay St. We also have a project, for a little farther out, that will install a pedestrian activated Rectangular Rapid Flash Beacon for the crossing at Escalona. The end result will be improved crossings at King and at Escalona, and sidewalk both sides between the two.

Hazard Reports

Date	First Name	Last Name	Location	Cross Street	City	Category	Additional Comments	Forwarded to	Forwarded Date	Response
4/26/2018	Veronica	Elsa	River Street	Pacific Ave	Santa Cruz	Traffic Signal Problem	Audible pedestrian signal not functioning. Makes it almost impossible to figure out when to cross River Street, given how short the light is as well as ongoing construction in the area.	Amelia Conlen/Jim Burr	4/26/2018	
4/26/2018	Brianna	Goodman	Emmett St	Mission St	Santa Cruz	Other: Dangerous Crosswalk	. Vehicles on Mission do not stop for pedestrians, and the vehicles are usually speeding. Drivers make eye contact and then SPEED UP in an attempt to make it through the Mission/Hwy 1 stop light up ahead. This crosswalk needs a "state law yield to peds within crosswalk" or maybe ped activated flashing lights. This crosswalk is right next to a school.	Amelia Conlen/Jim Burr	4/26/2018	
4/25/2018	Michael	Ullwelling	Mount Hermon Rd	Hwy 17	Scotts Valley	Lack of sidewalk/no crosswalk or stripping	There is a pedestrian crosswalk on the overpass itself, but none approaching or exiting the overpass. In order to gain access to the overpass, the pedestrian must climb over or around guard rails and then to walk in the roadway as cars exit or enter the freeway. Very dangerous. I am unable to pinpoint the location because the map does not show the intersection of Highway 17 and Mount Hermon Road	Trish McGrath, Frank Alvarez, Jessica Kahn	4/25/2018	
4/18/2018	Christopher	Centanni	3050 Dover Dr	Soquel		Debris on sidewalk, lack of sidewalk	Residents at the Woodland Senior Apts. have blocked off the dirt sidewalk with planters, causing pedestrians to have to walk onto the street to reach Soquel Drive or walk up Dover Drive. Someone could easily get hit by a car making a right onto Dover Drive. I'm a frequent walker of this route and never had any issues until yesterday, 4/18. Clearly, the dirt sidewalk continues almost all the way up Dover Drive so it's odd to think this section of the sidewalk can be blocked and/or considered private.	County DPW	4/23/2018	4/24/2018 DPW replied: I am in receipt of your issue regarding the planter encroachments on Dover Drive. I will be forwarding your request to our Encroachment/Permits division of Public Works. Thank you for taking the time to report this issue. On 5/17/2018 Kristine Conley: This pathway is outside of the public right-of-way, on private property, and therefore is not something that the County of Santa Cruz Public Works would maintain. I spoke with the property managers at Woodland Senior Apartments, they have decided to restrict access due to the increased amount of non-resident foot traffic and trespassing from the pathway onto residents private property.

Recommended Guidelines to Protect the Safety of Bicyclists and Pedestrians, Including Those with Disabilities

During Road Construction, Maintenance or Encroachment



As stated in the California MUTCD 2012 Edition, “The needs and control of all road users (motorists, bicyclists, and pedestrians within the highway, or on private roads open to public travel, including persons with disabilities in accordance with the Americans with Disabilities Act of 1990 (ADA)) through a temporary traffic control (TTC) zone shall be an essential part of highway construction, utility work, maintenance operations, and the management of traffic incidents.”

THE PROBLEMS

There are three general situations which impact bicyclists, pedestrians, and disabled travelers:

1. Work in the *bikeway** or *walkway* that forces bicyclists or pedestrians to compete with motor vehicles in a narrow car lane.
2. Work which is not in the *bikeway* or *walkway* but which puts equipment, debris, or warning signs in the *bikeway* or *walkway*.
3. Work that blocks the direction of travel without a clear, safe, and convenient detour for cyclists, pedestrians, or wheelchair travelers.

In addition, please be aware of these specific hazards for bicyclists, pedestrians, and disabled travelers:

Hazards to Bicyclists

- Signs, equipment, or debris in the *bikeway*.
- *Bikeway* blocked without advance warning.
- Rough pavement or gravel without advance warning.
- Poor pavement transitions, especially when parallel to the line of travel (e.g. metal plate edges or pavement removal/resurface areas which are not tapered).
- Inadequate time to pass through a signalized traffic control.

Hazards to All Pedestrians (including those who are visually impaired or use mobility equipment)

- Blocked/hazardous *walkway* that is not marked in a way that is visible in advance, especially at night.
- Alternate route or detour that is not negotiable by pedestrians using wheelchairs, strollers, carts, etc.
- Blocked/hazardous *walkway* without a barrier that is solid enough to be discernible by guide dog or cane.
- Signs, equipment, or debris partially blocking the *walkway* or encroaching on minimum clearance envelope of 4 feet wide by 7 feet tall.
- Sidewalk blocked with no curb cut or ramp to exit or advance warning to exit at a prior curb cut.
- Rough pavement, grooves, or gravel without advance warning. Rocks of 3 inch diameter or greater are especially hazardous as they may cause a wheelchair to stop abruptly and eject the occupant.

* For the purposes of these guidelines, “*bikeway*” will be used to refer to the space usually used by bicyclists for travel within a given right-of-way, including painted bike lanes, paved shoulders, the right side of a wide travel lane, or the center of a narrow travel lane if there is no bike lane or shoulder. “*Walkway*” will be used to refer to sidewalks, shoulders, and paths where pedestrians, including people using wheelchairs, usually travel.

THE SOLUTIONS

The CA MUTCD follows these “fundamental principles” for bicyclists and pedestrians in TTC zones:

1. Bicycle and pedestrian “movement should be disrupted as little as practicable”
2. “Bicyclists and pedestrians, including those with disabilities, should be provided with access and reasonably safe passage through the TTC zone.”
3. “Motorists, bicyclists, and pedestrians should be guided in a clear and positive manner while approaching and traversing TTC zones and incident sites.”

In addition, please consider the following specific safety and access measures:

Detours

- When construction blocks the *bikeway*, accommodations should be made for bicyclists if they are made for motorists, including safe and well-marked detours when needed. When motorists are detoured, try finding a safe corridor that may be left open for bicyclists. If not possible, post “End Bike Lane” and “Bikes May Use Full Lane” (BMUFL) signs to encourage cyclists to merge into the travel lane. Rather than directing bicyclists to walk their bikes, try to provide a rideable alternative.
- If construction or signs must block the *walkway*, establish safe, well-signed detours for pedestrians that are accessible for pedestrians using wheelchairs, strollers, carts, etc.
- When traffic control is conducted using temporary traffic signals, timing should accommodate bicyclists, who will be slower than motor vehicles, especially in the uphill direction. Consider push button signals or special bicycle loop detectors for bicyclists, if practical.
- Barriers should have a portion low enough and solid enough to be easily discernible by a cane, guide dog, or child. If necessary, use flaggers to guide pedestrians in a clear, calm manner.
- For long-term duration projects, the chevron-style “shared roadway bicycle marking” (sharrow) may be used along detours with on-street parking and inadequate lane width.

Signs

- Whenever possible, construction warning signs should be placed out of the *bikeway* and *walkway*, so that the sign itself is not a barrier for bicyclists, pedestrians, or wheelchair travelers. Remove construction signs promptly when construction pauses or ends.
- Any construction or sign that blocks the *bikeway* should have sufficient sight distance, including nighttime visibility, to allow cyclists time to merge safely into the travel lane. Use “End Bike Lane” and “BMUFL” signs appropriately.
- Any construction or sign which blocks the *walkway* should have prior warning to allow pedestrians and wheelchair travelers time to exit the walkway at a prior curb cut.
- For all construction where the *bikeway* or *walkway* is blocked or narrows, post appropriate caution signs to warn motorists to slow down and watch for bicyclists and pedestrians.

Pavement Surface

- Temporary pavement or metal plates installed during TTC zones should have cold mix asphalt tapered at the edges for bicyclist, pedestrian and wheelchair traveler safety. Avoid placing metal plate edges in the middle of the *bikeway*. Debris in the *bikeway* or *walkway* should be cleared at the end of each workday.
- If no smooth surface is available for bicyclists, pedestrians, or wheelchair travelers, post signs warning “Rough Surface” or “Uneven Pavement” at the beginning of the work area. Keep signs posted at the end of the workday. Use reflective signage on barricades with flashers for night safety.
- Prior to “sign off” on projects, verify that the pavement in the *bikeway* and *walkway* is even. Overlay should be smoothed at drainage grates, manholes, and gutter pan, and after narrow trenching in the *bikeway*.