



**Santa Cruz County Regional  
Transportation Commission's  
BICYCLE ADVISORY COMMITTEE**

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**AGENDA**

**Monday, December 8, 2014**

**6:00 pm to 8:30 pm**

**RTC Office  
1523 Pacific Ave  
Santa Cruz, CA 95060**

1. Call to Order
2. Introductions
3. Announcements – RTC staff
4. Oral communications – members and public

*The Committee will receive oral communications during this time on items not on today's agenda. Presentations must be within the jurisdiction of the Committee, and may be limited in time at the discretion of the Chair. Committee members will not take action or respond immediately to any Oral Communications presented, but may choose to follow up at a later time, either individually, or on a subsequent Committee agenda.*

5. Additions or deletions to consent and regular agendas

**CONSENT AGENDA**

*All items appearing on the consent agenda are considered to be minor or non-controversial and will be acted upon in one motion if no member of the Committee or public wishes an item be removed and discussed on the regular agenda. Members of the Committee may raise questions, seek clarification or add directions to Consent Agenda items without removing the item from the Consent Agenda as long as no other committee member objects to the change.*

6. Accept draft minutes of the October 20, 2014 Bicycle Committee meeting (pages 3 - 5)
7. Accept summary of Bicycle Hazard reports (pages 6-7)
8. Accept Bicycle Committee roster (page 8)
9. Accept Draft 2015 Bicycle Advisory Committee meeting schedule and tentative agenda items (page 9)

10. Approve recommendation to the RTC to approve a Transportation Development Act Claim from the City of Santa Cruz for bikeway maintenance (pages 10 – 17)
11. Accept update on the Passenger Rail Study (pages 18 – 19)
12. Accept letter from the Bicycle Advisory Committee regarding Arana Gulch multi-use path improvements (page 20)

### **REGULAR AGENDA**

13. RTC-Funded Project List - Presentation from Rachel Moriconi, RTC Senior Transportation Planner (pages 21 – 41)
14. Review and provide input into Draft "Guidelines to Protect the Safety of Bicyclists, Pedestrians and Disabled Travelers During Road Construction" (pages 42 – 44)
15. Graham Hill Road: Current conditions and safety improvement recommendations – Presentation from Bike Committee alternate Will Menchine
16. Member updates related to Committee functions
17. Adjourn

**NEXT MEETING:** The next Bicycle Committee meeting is scheduled for Monday, December 8<sup>th</sup>, 2014 (note special date due to Columbus Day Holiday) from 6:00pm to 8:30pm at the RTC office, 1523 Pacific Ave, Santa Cruz, CA.

### **HOW TO REACH US**

*Santa Cruz County Regional Transportation Commission  
1523 Pacific Avenue, Santa Cruz, CA 95060  
phone: (831) 460-3200 / fax (831) 460-3215  
email: [info@sccrtc.org](mailto:info@sccrtc.org) / website: [www.sccrtc.org](http://www.sccrtc.org)*

### **AGENDAS ONLINE:**

*To receive email notification when the Bicycle Committee meeting agenda packets are posted on our website, please call (831) 460-3201 or email [ccaletti@sccrtc.org](mailto:ccaletti@sccrtc.org) to subscribe.*

### **ACCOMMODATIONS FOR PEOPLE WITH DISABILITIES**

*The Santa Cruz County Regional Transportation Commission does not discriminate on the basis of disability and no person shall, by reason of a disability, be denied the benefits of its services, programs, or activities. This meeting location is an accessible facility. If you wish to attend this meeting and require special assistance in order to participate, please contact RTC staff at 460-3200 (CRS 800/735-2929) at least three working days in advance of this meeting to make arrangements. People with disabilities may request a copy of the agenda in an alternative format. As a courtesy to those person affected, Please attend the meeting smoke and scent-free.*

### **SERVICIOS DE TRADUCCIÓN/TRANSLATION SERVICES**

*Si gusta estar presente o participar en esta junta de la Comisión Regional de Transporte del condado de Santa Cruz y necesita información o servicios de traducción al español por favor llame por lo menos con tres días laborables de anticipo al (831) 460-3200 para hacer los arreglos necesarios. (Spanish language translation is available on an as needed basis. Please make advance arrangements (at least three days in advance by calling (831) 460-3200.*

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**Santa Cruz County Regional  
Transportation Commission's**

**BICYCLE ADVISORY COMMITTEE**

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**Minutes - Draft**

**Monday, October 20, 2014  
6:00 p.m. to 8:30 pm**

**RTC Office  
1523 Pacific Ave  
Santa Cruz, CA 95060**

1. Call to Order
2. Introductions

**Members Present:**

Kem Akol, District 1  
David Casterson, District 2, Chair  
Jim Cook, District 2 (Alt.)  
Peter Scott, District 3  
Will Menchine, District 3 (Alt.)  
Amelia Conlen, District 4  
Rick Hyman, District 5  
Bill Fieberling, City of Santa Cruz  
Andy Ward, City of Capitola  
Leo Jed, CTSC, Vice-Chair  
Emily Glanville, Ecology Action/Bike to Work

**Staff:**

Cory Caletti, Senior Transportation Planner  
Luis Mendez, RTC Deputy Director

**Guests:**

Maria Esther Rodriguez, City of Watsonville PW  
Jack Sohriakoff, County of Santa Cruz PW  
Theresia Rogerson, Community Traffic Safety  
Coalition  
Scott Robins, Resident

**Unexcused Absences:**

Piet Canin, Ecology Action/Bike-to-Work (Alt.)

**Excused Absences:**

Carlos Garza, City of Santa Cruz (Alt.)  
Gary Milburn, City of Scotts Valley (Alt.)  
Holly Tyler, District 1 (Alt.)  
Myrna Sherman, City of Watsonville  
Jim Langley, CTSC (Alt.)  
Daniel Kostelec, City of Capitola (Alt.)  
Lex Rau, City of Scotts Valley

**Vacancies:**

District 4 and 5 – Alternates  
City of Watsonville – Alternate

3. Announcements – Cory Caletti reported that the County of Santa Cruz and the City of Watsonville adopted the Monterey Bay Sanctuary Scenic Trail (MBSST) Network Master Plan and that Congressman Sam Farr is scheduled to attend the November 6<sup>th</sup>, 2014 RTC meeting to accept an award of excellence for the MBSST Master Plan and his championship of the project. Luis Mendez

provided an update of the status of demolition of the La Selva Beach trestle and time frame for assembly of the new bridge.

4. Oral communications – None
5. Additions or deletions to consent and regular agendas – None

### **CONSENT AGENDA**

A motion (Fieberling/Conlen) to approve the consent agenda passed unanimously with members Akol, Casterson, Scott, Hyman, Ward, Jed and Glanville voting in favor. No votes were cast in opposition.

6. Accepted draft minutes of the August 11, 2014 Bicycle Advisory Committee meeting
7. Accepted summary of Bicycle Hazard reports
8. Accepted Bicycle Committee roster
9. Accepted letter from the RTC Bicycle Advisory Committee to County of Santa Cruz Planning Department regarding the Draft Sustainable Santa Cruz Plan
10. Accepted letter from RTC's Executive Director to County of Santa Cruz Planning Department regarding the Draft Sustainable Santa Cruz Plan
11. Accepted letter from RTC staff and the Bicycle Advisory Committee to the California Coastal Conservancy in support of the Twin Lakes Beachfront Improvement Project grant request
12. Accepted letter from the Bicycle Advisory Committee to the RTC in appreciation of the rail trail project and collaborative fundraising efforts with the Land Trust of Santa Cruz and Friends of the Rail and Trail
13. Accepted news update from the California Bicycle Coalition regarding reform of the California Traffic Control Devices Committee and a new traffic sign notifying motorists of the new Three-Foot-for-Safety law
14. Accepted update on the Passenger Rail Study

### **REGULAR AGENDA**

15. Transportation Development Act (TDA) Claims from the County of Santa Cruz for the Aptos Village Plan Improvement Project, bike lane maintenance, and for a portion of the Monterey Bay Sanctuary Scenic Trail Network – Jack Sohriakoff, County of Santa Cruz Public Works, presented a summary of the TDA allocation requests and responded to questions regarding improved connections to the Twin Lakes Beach Front via the Harbor. Shortcomings were identified and an Ad-Hoc Committee was formed to investigate improved connectivity in the area. Ad-Hoc Committee volunteers include Bill Fieberling, Will Menchine, Peter Scott and Kem Akol. Additionally, another ad-hoc committee was formed to investigate signage and pavement markings in the unincorporated county consisting of Leo Jed, Kem Akol and Amelia Conlen. A motion was made (Fieberling/Ward) to move the staff recommendation and recommend that the RTC approve the County's TDA claim with Akol, Casterson, Scott, Conlen, Hyman, Jed and Glanville voting in favor. No votes were cast in opposition. A request was also made to have the County of Santa Cruz provide yearly metrics of the type, location and mileage of the various

bike maintenance and minor improvements funded through the TDA allocation. Jack Sohriakoff indicated that he would investigate the County's ability to provide such information.

16. Update on County of Santa Cruz bicycle and pedestrian projects – Jack Sohriakoff, County of Santa Cruz Public Works provided an overview of the multiple roadway projects in the works that either involve a bicycle component or impact bike facilities. Discussion focused on ways to improving connection from the City of Santa Cruz to the San Lorenzo Valley community. An ad-hoc committee consisting of Will Menchine, Peter Scott, Kem Akol and Theresia Rogerson was formed to review the San Lorenzo Valley Trail Feasibly Study and identify possible short and long term bicycle and pedestrian projects.
17. Update on Harkins Slough Rd/Highway 1 Improvement Project including plans for a pedestrian/bicycle bridge – Maria Esther Rodriguez, City of Watsonville Assistant Public Works Director, provided a summary of the evolution and status of the Highway 1/Harkins Slough Road Interchange project and the recent change to include a bicycle/pedestrian bridge crossing.
18. Santa Cruz Branch Rail Line Acquisition and Funding – Luis Mendez, RTC Deputy Director, provided a summary of utility and community obligations associated with purchase of the Santa Cruz Branch Rail Line as well as the many benefits of system preservation. He also provided an overview of current rail services in the region and future connections that are being planned. Mr. Mendez answered questions and received feedback from Committee members who felt that the RTC should be more pro-active regarding dissemination of the variety of benefits of future passenger and freight rail service.
19. 2012 Bicyclist Injuries and Fatalities for Santa Cruz County Report and 2014 Bicycle Safety Observation Study – Theresia Rogerson, HSA Community Traffic Safety Coalition Program, summarized the reports provided in the packet and received feedback regarding potential improvements in reporting format.
20. Review and provide input into Draft "Guidelines to Protect the Safety of Bicyclists, Pedestrians and Disabled Travelers During Road Construction" – postponed to December 8<sup>th</sup>, 2014 Bicycle Advisory Committee meeting
21. Pacific Metro Station public outreach meetings and schedule – Bicycle Advisory Committee members Amelia Conlen and David Casterson reported on the recent public workshop they attended for the plan for a new Pacific Metro Station and their presentation of the Bicycle Advisory Committee's interest in a bike station and other bike related amenities.
22. Member updated related to Committee functions – None
23. Adjourned: 8:30 pm

**NEXT MEETING:** The next Bicycle Committee meeting is scheduled for **Monday, December 8<sup>th</sup>, 2014**, from 6:00 pm to 8:30 pm at the RTC office, 1523 Pacific Ave, Santa Cruz, CA.

Minutes respectfully prepared and submitted by:

Cory Caletti, Senior Transportation Planner

**October 20, 2014  
Hazard Report**

Date	First Name	Last Name	Contact Info	Location	Cross Street	City	Category	Additional Comments	Forwarded To	Forwarded Date	Response	Images
11/24/14	Lisa	Ortiz	<a href="mailto:lisa.allen.ortiz@me.com">lisa.allen.ortiz@me.com</a>	Bike path between High St and Coral	High St.	Santa Cruz	debris on shoulder or bikeway	rider states that daughter commutes to school on that bike path and lost control of her bike due to debris in bike path.	Cheryl Schmitt	11/24/14	From Cheryl - Forwarded to Streets Sweeping - 12/01/14	
11/20/14	Peter	Stanger	<a href="mailto:pj@rattlebrain.com">pj@rattlebrain.com</a>	State Park Dr	McGregor, Hwy 1, Soquel Dr	Santa Cruz County	damaged bikeway signs, no crosswalk or striping, traffic signal problem, bikeway not clearly marked	rider states bike lane along mcgregor dumps cyclist onto state park @ the union 76 station. From there cyclists must make left turn onto state park; then there's NO bike lane btwn through traffic lane and right turn lane that lead to hwy 1 onramp. cyclists try to go way to right then cross to traffic lanes or use left traffic lane and get honked at by vehicular traffic. upon crossing signaled intersection bike lane painted line going up and over freeway overpass has been worn out by motorist to the point that it's now	General Dept of Co of SC	11/20/14		
11/20/14	Peter	Stanger	<a href="mailto:pj@rattlebrain.com">pj@rattlebrain.com</a>	Soquel Dr	Aptos Rd-Trout Gulch Rd	Santa Cruz County	lighting problem, railroad hazard, bikeway not clearly marked	rider states soquel dr passes beneath railroad trestle in area btwn trough gulch rd and aptos rd. bike lane ends in both east and westbound directions. Repaving-repainting done 18-24 months ago. Appears bike lane is continuous-thick solid white line on right. sign in westbound direction informing motorist is too near end of bike lane. sign in eastbound direction informing motorists is obscured in it placement beside 4-way stop/parking entrance to starbucks. neither east or westbound has sharrow	General Dept of Co of SC	11/20/14		
11/19/14	Rebecca	Ora	<a href="mailto:ror@ucsc.edu">ror@ucsc.edu</a>	Coolidge Dr	High St	Santa Cruz	rough pavement or potholes, pavement cracks, lighting problem, debris on shoulder or bikeway	rider states large amount of gravel on road along road from end of bike path going toward entrance to uc campus. Dangerous pothole and cracked pavement at intersection above entrance to campus. "I had an accident 2 weeks ago on this spot where I fell because of this crack..." gravel and debris on bike lane along bay going up from escalona toward uc entrance, also a pothole and a great deal of broken pavement on bike lane going up to campus from bay and high, in particular in front of one of the bus	Cathy Crowe, Metro Bus Stop Advisory Committee	11/20/14		
11/10/14	TJ	Lavelle	<a href="mailto:tjlavelle@gmail.com">tjlavelle@gmail.com</a>	Freedom Blvd	Mariner Way	Santa Cruz County	rough pavement or potholes, plan overgrowth or interference, debris on shoulder or bikeway	rider states bike lanes on this stretch of freedom blvd are in terrible condition made worse by recent construction work on the road. Most problematic issue is that construction work left large amount of sand and gravel in bike lanes btwn aptos high and top of hill going toward watsonville. hard to maintain control of bike because sand and gravel cause wheels to slew sideways and bike tips over. going down hill toward watsonville is almost as bad due to huge bumps and hole in pavement as well as vines covered	General Dept of Co of SC	11/12/14	From Melissa - Your report was received and forwarded to Public Works road dispatch. You may also reach that office 24/7 by calling 477-3999. - 11/12/14	
11/06/14	Rebecca	Braslau	<a href="mailto:rbraslau@ucsc.edu">rbraslau@ucsc.edu</a>	Empire Grade	Pine Flat Rd	Santa Cruz County	potholes	rider states very large pothole on empire grade rd downhill of pine flat in bonny doon. Pothole just downhill of intersection of empire grade.	General Dept of Co of SC	11/06/14	From Melissa - I've forwarded your report to our Dispatch office for scheduling of work. - 11/06/14	
10/29/14	Tom	Brandow	<a href="mailto:tbrandow@hotmail.com">tbrandow@hotmail.com</a>	El Rancho Dr	La Madrona Dr	Santa Cruz County	plant overgrowth or interference, debris on shoulder or bikeway	rider states shoulders blocked in both directions by debris or plant growth reducing lane width. Fog line to edge of pavement needs cleaning and the line repainted.	General Dept of Co of SC	11/06/14		<a href="#">Bicycle Hazard Downloaded Images\2014\October\141029-ElRancho-LaMadrona.jpg</a>
11/01/14	Adam	Millard-Ball	<a href="mailto:adammb@hotmail.com">adammb@hotmail.com</a>	High St	Laurent	Santa Cruz	rough pavement or potholes, pavement cracks, plant overgrowth or interference	rider states tree roots have buckled in bike lane. This is hazardous, especially at night given the lack of lighting	Cheryl Schmitt	11/04/14	From Cheryl - Forwarded to Streets Maintenance. - 11/07/14	
10/29/14	Tom	Brandow	<a href="mailto:tbrandow@hotmail.com">tbrandow@hotmail.com</a>	McGregor Rd	Sea Ridge Rd	Aptos	not supplied	rider states co. public works dept. seal coated/slurried a number of roads this year. They have not raised utility access covers for water, sewer, electric, etc. to the grade of the road, this is a hazard to bikes.	General Dept of Co of SC	11/04/14	From Melissa - The County Pavement Management Project is not complete. Utilities are scheduled to raise their boxes to grade in the next week or so. - 11/05/14	

October 20, 2014  
Hazard Report

Date	First Name	Last Name	Contact Info	Location	Cross Street	City	Category	Additional Comments	Forwarded To	Forwarded Date	Response	Images
10/27/14	Brian	not supplied	<a href="mailto:brianboyce1@gmail.com">brianboyce1@gmail.com</a>	Thurber Ln	btwn Bobwhite and Twin Hills Rd	Santa Cruz	plant overgrowth or interference	rider states trees have overgrown over the bike path causing bike traffic to have to enter car lanes. Branches are at shoulder level in spots for someone on a bike.	General Dept of Co of SC	10/28/14		
10/22/14	Kate	Lieberman	<a href="mailto:krliberman@gmail.com">krliberman@gmail.com</a>	Meder	Nobel Drive	Santa Cruz	not supplied	rider states sidewalk improvement project on meder @ bay st and nobel dr is being done in a manner that is extremely dangerous for ped, cyclists, and motorists. All four corners @ meder and nobel, and both corners @ meder and bay st are obstructed simultaneously. this has been the case for many days now. there is not visibility, lanes are constricted to the point where one can barely negotiate a turn.	Cheryl Schmitt	10/23/14	From Cheryl - I forwarded this to the project manager - 10/23/14	
10/21/14	Susan	Kauffman	<a href="mailto:highsierra2@gmail.com">highsierra2@gmail.com</a>	San Lorenzo River Bike path West side	Hwy 1	Santa Cruz	hazardous drain grate	rider states "I had an accident while riding in bike path under hwy 1 overpass along right side of path, large metal drainage grate in bike lane. Rode over grate since I assumed it would not be a safety hazard since it was in bike path and another cyclist was about to ride pate me in opposite direction. as soon as my tire was on top of the grate my bike slipped down btwn grate rungs grabbing bike tire, popping tire and throwing me off my bike. I landed on my hands which was quire painful. before walking my bike home with damaged tire and sore hands i looked closely at grate. it had rungs running parallel and perpendicular to bike lane however i saw that the rungs running perpendicular to path of travel were sunken down an inch or two, just deep enough to allow my bike tire to sink btwn parallel rungs grabbing bike tire as i rode over it.	Cheryl Schmitt	10/22/14	From Cheryl - Forwarded to the Operations Manager - 10/22/14	<a href="#">Bicycle Hazard Downloaded Images\2014\October\141021-SanLorenzoRiverBikePath.docx</a>
10/17/14	Steve	Piercy	<a href="mailto:web@stevepiercy.com">web@stevepiercy.com</a>	Soquel Dr	Fairway Dr	Soquel	traffic signal problem	rider states heading east on soquel dr I end up in left turn lane to head onto fairway dr. bike used to trigger signal but now does not. As result I must run red light when there ar no approaching vehicles.	Cheryl Schmitt	10/21/14		
10/17/14	Rob	Franks	<a href="mailto:marchen@ucsc.edu">marchen@ucsc.edu</a>	Bay Dr	Escalona to High	Santa Cruz	debris on shoulder or bikeway	rider states there are several areas of uphill bike path btwn escalona and high that have large amounts of dirt, gravel, rocks and debris. Sweeper is slowly gettiq rid of it but it's a slow process.	Cheryl Schmitt	10/21/14	From Cheryl - Forwarded to Street Sweeping - 10/22/14	

S:\Hazard\[Spreadsheet-Bicycle-Pedestrian-Hazard-Report.xlsx]bi-monthly summary



## BIKE COMMITTEE ROSTER – December, 2014

Representing	Member Name/Contact Info	Appointment Dates
<b>District 1 - Voting</b> Soquel, Live Oak, part of Capitola	Kem Akol kemakol@msn.com 247-2944	First Appointed: 1993 Term Expires: 3/16
Alternate	Holly M. Tyler holly.m.tyler@comcast.net 818-2117	First Appointed: 2010 Term Expires: 3/16
<b>District 2 - Voting</b> Aptos, Corralitos, part of Capitola, Nisene Marks, Freedom, PajDunes	David Casterson, Chair dbcasteron@gmail.com 588-2068	First Appointed: 2005 Term Expires: 3/15
Alternate	Jim Cook wookiv@comcast.net 345-4162	First Appointed: 12/13 Term Expires: 3/15
<b>District 3 - Voting</b> Big Basin, Davenport, Bonny Doon, City of Santa Cruz	Peter Scott drip@ucsc.edu 423-0796	First Appointed: 2007 Term Expires: 3/16
Alternate	William Menchine (Will) menchine@cruzio.com 426-3528	First Appointed: 4/02 Term Expires: 3/16
<b>District 4 - Voting</b> Watsonville, part of Corralitos	Amelia Conlen director@peoplepowersc.org 425-0665	First Appointed: 5/13 Term Expires: 3/15
Alternate	Vacant	Term Expires: 3/15
<b>District 5 - Voting</b> SL Valley, Summit, Scotts Valley, part of Santa Cruz	Rick Hyman bikerick@att.net	First Appointed: 1989 Term Expires: 3/16
Alternate	Vacant	Term Expires: 3/16
<b>City of Capitola - Voting</b>	Andy Ward Andrew.ward@plantronics.com 462-6653	First Appointed: 2005 Term Expires: 3/17
Alternate	Daniel Kostelec dnlkostelec@yahoo.com 325-9623	First Appointed: Term Expires: 3/17
<b>City of Santa Cruz - Voting</b>	Wilson Fieberling anbfieb@yahoo.com	First Appointed: 2/97 Term Expires: 3/15
Alternate	Carlos Garza carlos@cruzio.com	First Appointed: 4/02 Term Expires: 3/15
<b>City of Scotts Valley - Voting</b>	Lex Rau lexrau@sbcglobal.net 419-1817	First Appointed: 2007 Term Expires: 3/17
Alternate	Gary Milburn 427-3839 hm g.milburn@sbcglobal.net/438-2888 ext 210 wk	First Appointed: 1997 Term Expires: 3/17
<b>City of Watsonville - Voting</b>	Myrna Sherman calgary1947@gmail.com	Term Expires: 3/16
Alternate	Vacant	Term Expires: 3/16
<b>Bike To Work - Voting</b>	Emily Granville eglanville@ecoact.org 415-637-2744	First Appointed: 4/14 Term Expires: 3/16
Alternate	Piet Canin pcanin@ecoact.org 426-5925 ext. 127	First Appointed: 4/02 Term Expires: 3/16
<b>Community Traffic Safety Coalition - Voting</b>	Leo Jed, Vice-Chair leojed@gmail.com 425-2650	First Appointed: 3/09 Term Expires: 3/15
Alternate	Jim Langley jim@jimlangley.net 423-7248	First Appointed: 4/02 Term Expires: 3/15

All phone numbers have the (831) area code unless otherwise noted.



***Draft***

**2015 Schedule of Meetings and Tentative Agenda Items  
for the RTC's Bicycle Advisory Committee**

<b>February 9</b>	Reimbursements for travel to committee meetings AMBAG's Draft Public Participation Plan Mode split counts and results Proposed "What bicyclists and pedestrians want to know about each other" brochure Draft Passenger Rail Feasibility Study (if ready; if not, the item may require a special March meeting)
<b>April 13</b>	CTSC & BTW funding request Committee (re)appointments Officer elections
<b>June 8</b>	Capital Improvement Plan (CIPs)?
<b>August 10</b>	Topics: TBD
<b>October 19</b>	<b>Special meeting date due to Columbus Day holiday on Oct 12</b> CTSC: 2014 Bicycle Safety Observation Report and 2012 Bicyclist Injuries and Fatalities for Santa Cruz County
<b>December 14</b>	Draft 2016 RTC Legislative Agenda

***Regular Meeting Location:*** RTC Conference Room, 1523 Pacific Avenue, Santa Cruz.

***Meeting Time:*** 6:00 p.m. to 8:30 p.m.

*The Santa Cruz County Regional Transportation Commission does not discriminate on the basis of disability. If you wish to attend this Bicycle Committee meeting and will require special assistance in order to participate, please contact the Secretary at 460-3200 at least 72 hours in advance of the meeting to make arrangements. As a courtesy to those persons affected, please attend the meeting smoke and scent free.*

**TO:** Bicycle Advisory Committee

**FROM:** Cory Caletti, Senior Transportation Planner/Bicycle Coordinator

**RE:** City of Santa Cruz Article 8 Transportation Development Act Allocation Request

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## **RECOMMENDATION**

Staff recommends that the Bicycle Advisory Committee recommends that the Regional Transportation Commission approve the City of Santa Cruz's Article 8 FY 14/15 Transportation Development Act allocation claim for \$25,000 for bikeway striping and minor improvements.

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## **BACKGROUND**

Each year the Regional Transportation Commission allocates Article 8 Transportation Development Account (TDA) funds to local jurisdictions for bikeway and pedestrian projects. TDA funds allocated to a local jurisdiction may be rolled over from one fiscal year to the next. TDA claims with bicycle amenities must be reviewed by the Bicycle Advisory Committee and those with pedestrian components must be reviewed by Elderly & Disabled Transportation Advisory Committee prior to approval by the Regional Transportation Commission.

## **DISCUSSION**

The City of Santa Cruz submitted a request for \$25,000 in TDA funds for Bikeway Striping and Minor Improvements ([Attachment 1](#)). Maintenance and re-striping of the City's 30 miles of bikeways, minor bikeway improvements, and bicycle parking in high use areas within the public right-of-way are supported with TDA funds.

Staff recommends that the Bicycle Committee recommend that the Regional Transportation Commission approve the City of Santa Cruz's allocation requests. The project is consistent with the City Bicycle Transportation and Pedestrian Plans and the 2014 Regional Transportation Plan.

## **SUMMARY**

The City of Santa Cruz is requesting a TDA Article 8 allocation for Bikeway Striping and Minor Improvements (\$25,000). Staff recommends that the Bicycle Advisory Committee recommends that the Regional Transportation Commission approve the City of Santa Cruz's allocation request.

### Attachments:

1. City of Santa Cruz Article 8 TDA Allocation Request Letter for FY 14/15
2. TDA Claim Form for Bikeway Striping and Minor Improvements

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PUBLIC WORKS DEPARTMENT  
809 Center Street, Room 201, Santa Cruz, CA 95060 • 831 420-5160 • Fax: 831 420-5161

November 25, 2014

Mr. George Dondero  
Santa Cruz County Regional Transportation Commission  
1523 Pacific Avenue  
Santa Cruz, CA 95060

**RE: City of Santa Cruz – FY 2014-15 TDA Article 8 Allocation Request**

Dear Mr. Dondero:

Please accept this letter as a FY 2013-14 TDA Article 8 allocation request for the following project:

1. Bikeway Striping and Minor Improvements (\$25,000): This project provides for the annual re-striping of the City's 30 miles of bikeways, maintenance of bikeways and minor bikeway improvements. This project is entirely supported with TDA funds.

The City's remaining unallocated balance will be used to match grant applications, under funded projects, and future bikeway striping and parking projects.

As with all City claims, the City will commit to maintain any facilities provided with these funds for 20 years and will prepare all necessary environmental review for these projects. All of the projects above are consistent with the City Bicycle Transportation and Pedestrian Plans, and the RTP.

Please call me at 420-5422 if you have any questions or need additional information.

Sincerely,

Christophe J. Schneider  
Assistant Public Works Director/City Engineer

Attachments: Claim Forms (2)  
cc: Transportation Coordinator (CS)  
Finance Department (EC)

**Transportation Development Act (TDA) – Local Transportation Funds  
CLAIM FORM  
for Bike/Ped Projects**

*Submit a separate form for each project.*

*If you have any questions about this claim form or would like an electronic copy of the form,  
please contact the Santa Cruz County Regional Transportation Commission at 460-3200.*

**Project Information**

1. Project Title: Bikeway Striping and Minor Improvements
2. Implementing Agency: City of Santa Cruz
3. Sponsoring Agency (if different) – must be a TDA Eligible Claimant:
4. TDA funding requested this claim: \$ 25,000
5. Fiscal Year (FY) for which funds are claimed: FY 14 / 15
6. General purpose for which the claim is made, identified by the article and section of the Act which authorizes such claims (ex. Article 8 Bicycle project): Article 8 Bicycle and/or Pedestrian Facility
7. Contact Person/Project Manager: James Burr  
Telephone Number: 831-420-5426 E-mail: jburr@cityofsantacruz.com  
  
Secondary Contact (in event primary not available): Rich Smith  
Telephone Number: 831-420-5522 E-mail: rsmith@cityofsantacruz.com
8. Project/Program Description/Scope (use additional pages, if needed, to provide details such as work elements/tasks): Annual re-striping of the City's 30 miles of bikeways and minor bikeway improvements.
9. Number of people to be served/anticipated number of users of project/program:
10. Project Location/Limits (attach a map and/or photos if available/applicable, include street names):  
Those streets most in need will be striped.
11. Justification for the project. (Why is this project needed? Primary goal/purpose of the project; problem to be addressed; project benefits; importance to the community)  
Traffic safety
12. Consistency and relationship with the Regional Transportation Plan (RTP) – please reference Project or Policy number:  
2014 RTP Sustainability Policies p. 4-3, see attachment.
13. Measures of performance, success or completion to be used to evaluate project/program:  
Traffic safety

14. Impact(s) of project on other modes of travel, if any (ex. parking to be removed):

15. Project Cost/Budget, including other funding sources, and Schedule: (complete "10a" OR "10b")

**10a. Capital Projects**

	Planning	Environmental	Design/Engineering	ROW	Construction	Other *	Contingency	Total
<b>SCHEDULE (Month/Yr)</b>		na		na	4/15	na Bikeway striping, as needed		
<b>Total Cost/Phase</b>					\$25,000			
<b>\$TDA requested</b>								
<b>Source 2:</b>								
<b>Source 3:</b>								
<b>Source 4:</b>								

\*Please describe what is included in "Other":

**10b. Non- Capital Projects – Cost/Schedule:** List any tasks and amount per task for which TDA will be used. Can be substituted with alternate budget format.

Work Element/ Activity/Task	SCHEDULE (Month/Yr)	Total Cost per Element	\$TDA requested	\$ Source 2:	Source 3:	Source 4:
Administration/ Overhead						
Activity 1:						
Activity 2:						
Activity 3:						
Activity 4:						
Ex. Consultants						
Ex. Materials						

16. Preferred Method and Schedule for TDA fund distribution, consistent with the RTC Rules and Regulations (a. 90% prior to completion/10% upon completion; or b. 100% after completion):

17. Proposed schedule of regular progress reports:

18. TDA Eligibility:

	YES?/NO?
A. Has the project/program been approved by the claimant's governing body? Attach resolution to claim. (If "NO," provide the approximate date approval is anticipated.)	yes
B. Has this project previously received TDA funding?	yes
C. For capital projects, have provisions been made by the claimant to maintain the project or facility,	yes

or has the claimant arranged for such maintenance by another agency for the next 20 years? (If an agency other than the Claimant is to maintain the facility provide its name: _____)	Yes
D. Has the project already been reviewed by the RTC Bicycle Committee and/or Elderly/Disabled Transportation Advisory Committee? (If "NO," project will be reviewed prior to RTC approval).	No
E. For "bikeways," does the project meet Caltrans minimum safety design criteria pursuant to Chapter 1000 of the California Highway Design Manual? (Available on the internet via: <a href="http://www.dot.ca.gov">http://www.dot.ca.gov</a> ).	Yes

**Documentation to Include with Your Claim:**

**All Claims**

- **A letter of transmittal** to SCCRTC addressed to the Executive Director that attests to the accuracy of the claim and all its accompanying documentation.
- **Resolution** indicating TDA eligible claimants' roles and responsibilities and commitment to maintain facilities as indicated in the submitted plans for a period of 20 years.

**Article 3 & 8 Bicycle/Pedestrian Claims**

- Evidence of environmental review for capital projects

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SUSTAINABILITY POLICIES	OUTCOMES ADVANCED							
	PEOPLE				PROSPERITY		PLANET	
	Access & Mobility	Health	Safety	Equity	Economic Benefit	Cost Effectiveness	Climate & Energy	Ecological Function
<i>Transportation System Management:</i> Implement Transportation System Management (TSM) programs and projects on major roadways across Santa Cruz County that increase the efficiency of the existing transportation system.	X				X	X	X	
<i>Transportation Demand Management:</i> Expand demand management programs that decrease the number of vehicle miles traveled and result in mode shift.	X	X			X		X	
<i>Transportation Infrastructure:</i>								
Improve multimodal access to and within key destinations.	X	X	X	X	X		X	
✓ Ensure network connectivity by closing gaps in the bicycle, pedestrian and transit networks.	X	X	X		X		X	
Design system to reduce the potential for conflict between bicyclists, pedestrians, and vehicles.	X		X	X	X			
<i>Land Use:</i> Support land use decisions that locate new facilities close to existing services, particularly those that service transportation disadvantaged populations.	X			X		X		X
<i>Safety:</i>								
Prioritize funding for safety projects and programs that will reduce fatal or injury collisions.			X					
Encourage projects that improve safety for youth, vulnerable users and transportation disadvantaged.			X	X				
<i>Emergency Services:</i> Support projects that provide access to emergency services.	X		X		X			
✓ <i>Cost Effectiveness &amp; System Maintenance:</i> Maintain and operate the existing transportation system cost-effectively and in a manner that adapts the current transportation system to maximize existing investments.	X		X			X		
<i>Coordination:</i> Improve coordination between agencies in a manner improves efficiencies, and reduces duplication (e.g. paratransit and transit; road repairs; signal synchronization; TDM programs).						X		



RESOLUTION NO. NS-28,798

**A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA CRUZ  
ADOPTING A BUDGET FOR FISCAL YEAR 2015**

BE IT RESOLVED, by the City Council of the City of Santa Cruz, that the budget of the City of Santa Cruz for Fiscal Year (FY) 2015, as proposed in that certain document entitled "City of Santa Cruz Proposed Annual Budget Fiscal Year 2015," on file with the City Clerk, is hereby adopted for FY 2015, effective July 1, 2014, with the amendments and addenda thereto as determined by the City Council and detailed in the attached Exhibits:

- (1) Exhibit A – FY 2015 Summary of Budget Changes
- (2) Exhibit B – Community Programs Listing
- (3) Exhibit C – Summary of Projected Revenues and Other Financing Sources
- (4) Exhibit D – Summary of Projected Expenditures and Other Financing Uses

BE IT FURTHER RESOLVED that the Finance Director is authorized to create additional appropriations in order to provide for necessary commitments carried over from the prior fiscal year, including contract and purchase order encumbrances and unexpended project balances, so long as there is a sufficient fund balance to finance these commitments.

PASSED AND ADOPTED this 24<sup>th</sup> day of June, 2014, by the following vote:

AYES: Councilmembers Bryant, Terrazas, Comstock, Mathews, Posner, Vice Mayor Lane; Mayor Robinson.

NOES: None.

ABSENT: None.

DISQUALIFIED: None.

APPROVED:   
Mayor

ATTEST:   
City Clerk Administrator

# Public Works

				Capital Projects	
Fund	Project Number	Project Title	Fiscal Year 2014 Estimated	Fiscal Year 2015 Adopted Budget	
<b>Gas Tax Fund</b>					
221	c401103	Bay/High Intersection Improvements	648,110	-	
221	c401303	Beach/Cliff Traffic Signal	30,000	200,000	
221	c400035	Beach/Pacific (Wharf) Intersection Roundabout	835,105	-	
221	m409308	Bicycle Parking Program	2,000	-	
221	m409335	Bikeway Striping and Minor Improvements	30,000	-	
221	c401001	Branciforte Creek Bike/Pedestrian Bridge	839,811	2,000,000	
221	m401302	Bridge Maintenance	200,000	-	
221	c401302	Broadway/Riverside Intersection Pedestrian Improvements	75,000	-	
221	c401210	Chestnut St Slip Out - Phase 2	301,549	-	
221	c401013	Citywide Streetlight LED Retrofit-Phase 4	574,706	150,000	
221	c409321	Murray Street Bridge Seismic Retrofit and Barrier Rail	9,694,416	-	
221	c401104	Ocean/Broadway Intersection Study	75,000	-	
221	c401410	Ocean/Water Intersection Improvements	-	600,000	
221	c401202	River/River Street South Intersection Study	75,000	100,000	
221	c401105	Riverside/Second Intersection Improvements	174,704	-	
221	c400058	San Lorenzo River Trestle Bridge Connections Project	589,633	-	
221	c401003	Soquel/at Frederick Minor Widening	332,647	-	
221	c400804	Soquel/Park Way Traffic Signal Improvements	1,029,417	-	
221	c401402	State Route 1 Bridge Replacement	1,000,000	500,000	
221	c400805	State Route 1/9 Intersection Improvements	6,366,572	-	
221	m400819	West Cliff Drive Multi-use Path Pavement Rehabilitation	550,000	-	
221	c401211	Westlake School Pedestrian Safety	484,651	-	
<b>Total Gas Tax Fund</b>			<b>23,908,321</b>	<b>3,550,000</b>	
<b>Clean Rivers, Oceans, &amp; Beaches Fund</b>					
235	c401414	Clean Beach Initiative - Cowell Beach	1,050,000	-	
235	c401415	Downtown Parking Lot #9 LID Retrofit	199,130	-	
235	c401005	Storm Drain Water Quality Improvements	152,777	-	
<b>Total Clean Rivers, Oceans, &amp; Beaches Fund</b>			<b>1,401,907</b>	-	
<b>General Capital Improvement Fund</b>					
311	c401401	Arana Gulch Connection - Agnes St	492,360	-	
311	c401319	Arana Gulch Multi Use Trail - Broadway/Brommer	5,617,867	-	
311	c401507	Bay Drive Storm Damage Repair	-	175,000	
311	c401505	Chestnut Street Storm Drain Replacement	-	50,000	

For more information regarding the projects listed above, please refer to the Capital Improvement Program section of this document.

**TO:** Bicycle Advisory Committee

**FROM:** Karena Pushnik and Rachel Moriconi, Senior Transportation Planners

**RE:** Passenger Rail Study - Update

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## **RECOMMENDATION**

Informational item, no action requested.

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## **BACKGROUND**

The RTC secured a Caltrans Transit Planning grant to analyze the feasibility and ridership potential for commuter and intercity passenger rail service on the 32-mile Santa Cruz Branch Rail Line. The project team includes RTC, Santa Cruz Metro and Santa Cruz & Monterey Bay Railway/Iowa Pacific staff. A consultant team headed by Fehr and Peers was selected to provide technical assistance. In addition to public input, feedback is also provided by rail peers consisting of planning and operations staff of other rail services; technical stakeholders consisting primarily of local jurisdiction staff, and Community Leaders representing business, neighborhoods, environmental, tourism, and other interest groups.

## **DISCUSSION**

The following activities have taken or are taking place:

- Developed goals, evaluation framework and service scenarios
  - Input solicited from the public via events, surveys and a workshop. See the first bullet on the "What's New" sidebar of the project webpage: <http://www.sccrtc.org/projects/rail/passenger-rail/>
  - Input solicited from the rail peers and technical stakeholders
  - Goals, evaluation measures, and service scenarios to be analyzed approved by RTC board at their September 4, 2014 meeting. The five scenarios to be analyzed are: Santa Cruz↔Capitola with limited stops, Santa Cruz↔Watsonville during peak periods only, Santa Cruz↔Aptos, Santa Cruz↔Watsonville, and Santa Cruz↔Watsonville to connect with regional rail services. See the second bullet on the "What's New" sidebar of the project webpage: <http://www.sccrtc.org/projects/rail/passenger-rail/>
- Collecting and compiling data: underway
  - Ridership - Consultants are developing high level ridership forecast ranges based on five scenarios for both current and future (2035) years. Data based on the AMBAG Regional Travel Demand Model, transit likelihood, and the Census Transportation Planning Package.

- Service and operating estimates – Consultants are outlining vehicle technology, station design, travel speeds, headways (train schedule), storage, maintenance, passing sidings, and numbers of vehicles needed for each of the five scenarios.
  - Operating and maintenance costs – Consultants are developing operation and maintenance costs based on peer rail systems, estimated operating hours and maintenance needs for each of the five scenarios.
  - Capital costs – Consultants have conducted field inspections of the existing rail corridor and are projecting costs for rail, base, switch/control, structures, and other potential costs to provide passenger rail service for each of the five scenarios.
  - Financial analysis and recommended funding strategies – Consultant are identifying potential funding options for both capital and operation/maintenance costs, potential ridership revenue and other potential revenue.
- Evaluation of service scenarios: underway
    - The consultant team is using the evaluation framework and goals approved in September to analyze the service scenarios and identify preferred and/or phased scenarios, if deemed feasible. The results are scheduled to be available for RTC, advisory committees and public review in early 2015.
  - Draft report – The draft report will summarize technical information and provide an assessment of the study goals, purpose and need, performance framework, opportunities and constraints, service scenarios, ridership forecasts, cost estimates, funding assessments, evaluation of the scenarios, preferred service alternative, funding strategy and implementation steps, if found to be feasible. This is scheduled to be available for review in spring 2015.
  - Final report – Following review and input by the public and advisory committees, the RTC will consider and take action on the final report. This is scheduled to take place in summer 2015.

## SUMMARY

This item is for the Bicycle Advisory Committee's information. RTC staff will bring items to the committee for review as they are available.

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## SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION

1523 Pacific Ave., Santa Cruz, CA 95060-3911 • (831) 460-3200 FAX (831) 460-3215 EMAIL [info@sccrtc.org](mailto:info@sccrtc.org)

November 26, 2014

Mark Dettle, City of Santa Cruz Public Works Director  
809 Center Street  
Santa Cruz, CA 95060

RE: Arana Gulch

Dear Mr. Dettle:

I'm writing on behalf of the Bicycle Advisory Committee of the Regional Transportation Commission (RTC) to express our appreciation for construction and impending completion of the Arana Gulch multi-use path and for additional requests.

As you know, the Bicycle Advisory Committee has long supported this multi-use trail for use by bicyclists, pedestrians, and for people with disabilities. The project will fill a critical gap in the regional east-west bicycle and pedestrian network thereby increasing the ease and safety of bicycle and pedestrian trips for transportation purposes in and between our communities. To avoid user conflict and liability, the Committee requests that consideration be given to the placement of signage to guide appropriate behavior and directional flow. In particular, the merge of the path with the on-street network at 7<sup>th</sup> Avenue and Brommer Street was identified as needing fine-tuning.

The RTC Bicycle Advisory Committee serves to assist in the development and maintenance of a complete, convenient and safe regional bicycle network. The Committee thanks you for your ongoing work and for considering these requests. Please feel free to contact the RTC's Bicycle Advisory Coordinator and staff to the Bicycle Advisory Committee, Cory Caletti at (831) 460-3201 or by email at [ccaletti@sccrtc.org](mailto:ccaletti@sccrtc.org), for this and any other committee related matters.

Sincerely,

David Casterson  
Bicycle Committee Chair

cc: Chris Schneider, City of Santa Cruz Assistant Public Works Director  
Santa Cruz County Regional Transportation Commission  
Santa Cruz County Regional Transportation Commission's Bicycle Committee

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**TO:** Bicycle Advisory Committee

**FROM:** Rachel Moriconi, Senior Transportation Planner

**RE:** RTC-Funded Project Lists

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## **RECOMMENDATION**

This item is for information only.

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## **BACKGROUND**

The Regional Transportation Commission (RTC), as the state-designated Regional Transportation Planning Agency (RTPA) for Santa Cruz County, is responsible for selecting projects to receive a variety of state and federal funds. These include the region's shares of State Transportation Improvement Program (STIP), Regional Surface Transportation Program (RSTP), and Transportation Development Act (TDA) funds. STIP and RSTP funds can be used on a variety of projects, as outlined in the federal transportation act, state legislation, and California Transportation Commission's (CTC) STIP Guidelines. These include: highway, local street and road, transit and paratransit capital, bicycle, pedestrian, carpool, safety, and bridge projects. The RTC programs RSTP and STIP funds to specific projects through its Regional Transportation Improvement Program (RTIP).

The RTC's Bicycle Committee and Elderly and Disabled Transportation Advisory Committee (E&D TAC) have long been charged with reviewing and making recommendations on claims for Transportation Development Act (TDA) funds. Committees also provide input on the long range the Regional Transportation Plan (RTP), as well as funding proposals for State Transportation Improvement Program (STIP) and Regional Surface Transportation Program (RSTP) and relevant RTC projects. Project sponsors periodically attend Committee meetings to discuss TDA claims.

## **DISCUSSION**

The list of RTC-funded projects included in the Regional Transportation Improvement Program (RTIP) is enclosed for your information ([Attachment 1](#)). Project schedule information was updated by project sponsors in September 2014, but schedules are fluid and may have changed in some instances. RTC staff started incorporating elements of the Complete Streets Guidebook (reviewed previously by this committee) into the application form for STIP and RSTP funds in 2013. This helps project sponsors analyze early on what types of complete streets components might be feasible or could be incorporated into the project scope.

RTC staff will provide the Regional Transportation Improvement Program (RTIP) list of RTC-funded projects to committees annually (Attachment 1). If there are specific projects that the committee would like to discuss with project sponsors, committee members can contact the agency directly, provide input on projects through a project sponsor's existing processes, such as Capital Improvement Program development and the CEQA environmental review process or inform RTC staff. Staff will also invite project sponsors to provide annual updates to the committee and solicit input on regarding bicycle components of RTC-funded projects, in coordination with TDA claims. In general, providing early input is very important in order to ensure that the project scope is accurately evaluated during the environmental review and design phases of project development.

For information on bicycle, pedestrian, and/or transit projects that are not funded by the RTC, committee members are encouraged to review and provide input on capital improvement programs and annual budgets to local jurisdictions' directly.

## **SUMMARY**

A list of projects funded by the RTC is attached for information.

Attachment 1: RTC-funded RTIP Projects

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## RTIP PROJECT SUMMARY

### City of Capitola

#### CAP 11      Clares Street Traffic Calming

Implementation of traffic calming measures: chicanes, center island median, new bus stop, and road edge landscape treatments to slow traffic. Construct new safe, accessible ped x-ing at 42nd and 46th Av.

*Location: Clares Street from Wharf Road to 41st Ave.*

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	325	5	70		250			
RSTPX	100				100			
<b>Totals</b>	<b>425</b>	<b>5</b>	<b>70</b>		<b>350</b>			

  

<b>Estimated Schedule</b>	<i>Start Phase</i>	9/07	1/08	na	2013			
	<i>Finish Phase</i>		12/13	na	2015			

*% of Total Cost by Mode:* Highway: 0      Road: 50      RoadRehab: 5      Bike: 20      PubTransit: 5      Ped: 15

#### CAP 12      38th Avenue Reconstruction

Reconstruct roadway and construct 470 feet of curb, gutter, sidewalk, and Class 2 bicycle lanes.

*Location: 38th Avenue: approx 100 feet south of Brommer St to Capitola Rd.*

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local GF	158	36	97	25				
RSTPX	438				438			
<b>Totals</b>	<b>596</b>	<b>36</b>	<b>97</b>	<b>25</b>	<b>438</b>			

  

<b>Estimated Schedule</b>	<i>Start Phase</i>	7/09	7/09	9/12	Spring 2014			
	<i>Finish Phase</i>	9/09	9/09	9/12	Fall 14			

*% of Total Cost by Mode:* Highway: 0      Road: 0      RoadRehab: 70      Bike: 10      PubTransit: 0      Ped: 20

#### CAP 15      Park Avenue Sidewalks

Installation of sidewalks, plus crosswalks at Cabrillo and Washburn to improve access to transit stops. Links Cliffwood Heights neighborhood to Capitola Village. Currently only 4 short segments of sidewalk exist.

*Location: Park Avenue - Wesley St to McCormick Ave*

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	230	27	67	10	126			
STIP	200				200			
<b>Totals</b>	<b>430</b>	<b>27</b>	<b>67</b>	<b>10</b>	<b>326</b>			

  

<b>Estimated Schedule</b>	<i>Start Phase</i>	11/13	12/14	12/14	5/15			
	<i>Finish Phase</i>	12/14	3/15	4/15	9/15			

*% of Total Cost by Mode:* Highway: 0      Road: 0      RoadRehab: 0      Bike: 0      PubTransit: 5      Ped: 95

**CAP 16 Bay Avenue/Capitola Avenue Intersection Modifications/Roundabout**

Multimodal improvements to intersection. Roundabout.

Location: Bay Avenue at Capitola Avenue

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Add'l Need	460				460			
Local	150	8		70	72			
RSTP	31		31					
STIP	59		59					
<b>Totals</b>	<b>700</b>	<b>8</b>	<b>90</b>	<b>70</b>	<b>532</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>	7/14	10/14	1/15	9/15
	<i>Finish Phase</i>	2/15	6/15	6/15	3/16

**% of Total Cost by Mode:** Highway: 0 Road: 90 RoadRehab: 0 Bike: 5 PubTransit: 0 Ped: 5

**CAP 17 Upper Pacific Cove Parking Lot Pedestrian Trail and Depot Park Metro Development**

Construct 4 foot wide pedestrian pathway along City owned Upper Pacific Cove Parking lot, adjacent to rail line (680'). Includes new signal for ped crossing over Monterey Avenue. Includes a new metro shelter located and landscaped setting along the rail corridor/Park Ave.

Location: Upper Cove park lot to Monterey Ave/Park Ave intersection.

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	100	5	40		55			
RSTP	200				200			
<b>Totals</b>	<b>300</b>	<b>5</b>	<b>40</b>		<b>255</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>	3/14	9/14	na	3/15
	<i>Finish Phase</i>	9/14	12/14	na	6/15

**% of Total Cost by Mode:** Highway: 0 Road: 0 RoadRehab: 0 Bike: 0 PubTransit: 0 Ped: 100

**City of Santa Cruz****SC 07 Broadway-Brommer Bike/Ped Path (Arana Gulch Multiuse Trail)**

Install multipurpose trail through Arana Gulch to connect to existing class 2 facilities.

Location: Broadway/Frederick to Brommer Street/7th Ave. through Arana Gulch

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
CMAQ	262	262						
Local	4,005		525		3,480			
RSTPX	742		140		602			
Rule 431	25	25						
STIP (TE)	2,430				2,430			
TDA	21	21						
TSM	12	12						
<b>Totals</b>	<b>7,496</b>	<b>320</b>	<b>665</b>		<b>6,512</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>		6/06	na	9/2013
	<i>Finish Phase</i>	3/25/03	6/12	na	1/15

**% of Total Cost by Mode:** Highway: 0 Road: 0 RoadRehab: 0 Bike: 50 PubTransit: 0 Ped: 50

## SC 25

**Hwy 1/9 Intersection Modifications**

Intersection modifications including new turn lanes, bike lanes/shoulders. Includes adding second left-turn lane on Highway 1 southbound to Highway 9 northbound; second northbound through lane and shoulder on northbound Highway 9, from Highway 1 to Fern Street; a right-turn lane and shoulder on northbound Highway 9; through-left turn lane on northbound River St; replace channelizers on Highway 9 at the intersection of Coral Street; sufficient lane width along the northbound through/left turn lane on Highway 9 from Fern Street to Encinal Street; new sidewalk along the east side of Highway 9 from Fern Street north to Encinal Street; new through/left turn lane on southbound Highway 9; Traffic Signal interconnect to adjacent signals. (Caltrans project ID - EA05-46580)

Location: Hwy 1 (PM 17.5/17.7) at Hwy 9 (PM 0.0-0.2).

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	<b>6,121</b>	200	850	1,900	3,171			
RDA	<b>400</b>	400						
STIP	<b>1,329</b>				1,329			
<b>Totals</b>	<b>7,850</b>	<b>600</b>	<b>850</b>	<b>1,900</b>	<b>4,500</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>	04/05	1/15	1/15	9/16
	<i>Finish Phase</i>	12/14	6/16	6/16	9/17

% of Total Cost by Mode: Highway: 75 Road: 0 RoadRehab: 0 Bike: 5 PubTransit: 5 Ped: 5

## SC 42

**Soquel Ave at Frederick St Intersection Modifications**

Widen to improve eastbound through-lane transition on Soquel Ave and lengthen right-turn pocket and bicycle lane on Frederick St. Upgrade access ramps.

Location: Soquel Ave at Frederick

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	<b>112</b>		50		62			
RSTPX	<b>188</b>				188			
<b>Totals</b>	<b>300</b>		<b>50</b>		<b>250</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>	9/14	3/15
	<i>Finish Phase</i>	3/15	9/15

% of Total Cost by Mode: Highway: 0 Road: 30 RoadRehab: 0 Bike: 20 PubTransit: 10 Ped: 20

## SC 45

**Soquel/Park Way Intersection Safety Improvements**

Install protected left turn lanes and signal. Includes removal and replacement of 2 retaining walls, improved transit stops, bike lanes, pedestrian push buttons and access ramps.

Location: Soquel Ave at Park Way

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
HSIP	<b>255</b>				255			
Local	<b>371</b>				371			
STIP	<b>450</b>				450			
<b>Totals</b>	<b>1,076</b>				<b>1,076</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>				10/13
	<i>Finish Phase</i>	done	done	done	7/14

% of Total Cost by Mode: Highway: 0 Road: 50 RoadRehab: 0 Bike: 10 PubTransit: 10 Ped: 10

**SC 46 Branciforte Creek Bike/Ped Crossing**

Install a Class 1 bicycle/pedestrian bridge over Branciforte Creek and multi-use paths connecting the levee paths in the vicinity of San Lorenzo Park and Soquel Avenue

Location: The east bank of the San Lorenzo River Pathway between Soquel Avenue and San Lorenzo Park.

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Add'l Need	2,140				2,140			
Local	226		200	26				
RSTPX	300		300					
TDA	75	75						
<b>Totals</b>	<b>2,741</b>	<b>75</b>	<b>500</b>	<b>26</b>	<b>2,140</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	2012	1/14	1/14	3/15			
	<i>Finish Phase</i>	1/14	12/14	12/14	11/15			
<b>% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 50 PubTransit: 0 Ped: 50</b>								

**SC 47 Laurel St Pavement Rehabilitation: Front St to Mission St**

Rehab roadway, possibly with cold-in-place recycling method, new access ramps and sidewalk repairs (excluding recent improvement between Felix and Blackburn).

Location: Laurel St: Front St to Mission St (.94mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	525		60		465			
RSTPX	675				675			
<b>Totals</b>	<b>1,200</b>		<b>60</b>		<b>1,140</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	CatEx	9/13	na	9/14			
	<i>Finish Phase</i>	CatEx	4/14	na	12/14			
<b>% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0</b>								

**SC 48 Ocean St Pavement Rehabilitation (and Felker St)**

Pavement rehabilitation using cold-in-place recycling process; includes new curb ramps, restriping of bicycle lanes and crosswalks.

Location: Ocean St (Water to Hwy 17/Plymouth) & Felker St (Ocean SLR Bike/Ped Bridge) (0.7 miles)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	1,000				1,000			
<b>Totals</b>	<b>1,000</b>				<b>1,000</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	na	1/15	na	9/15			
	<i>Finish Phase</i>	na	6/15	na	3/16			
<b>% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 80 Bike: 0 PubTransit: 0 Ped: 20</b>								

**TRL 07SC Rail Trail: Segment 7 (Natural Bridges to Pacific Ave)**

2.4 miles of Monterey Bay Sanctuary Scenic Trail Network (MBSST) Segment 7 (excluding Moore Creek rail trestle bridge and trail to Natural Bridges Drive) along rail line. One water crossing at Neary Lagoon (not a bridge), one rail crossing near Rankin Street and two at the Neary Lagoon "Y". Retaining structures adjacent to the Wastewater Treatment Facility and fifteen street crossings.

Location: Santa Cruz Branch Rail Line - Natural Bridges Dr. to Pacific Ave (2.4 mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Earmark	3,255	240	400		2,615			
Local	1,240	60	100		1,080			
STIP	805				805			
<b>Totals</b>	<b>5,300</b>	<b>300</b>	<b>500</b>		<b>4,500</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>	1/15	6/15	6/15	9/16
	<i>Finish Phase</i>	6/15	6/16	6/16	9/17

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 50 PubTransit: 0 Ped: 50

**City of Scotts Valley****SV 25 Vine Hill Elementary School Bike Lanes and Sidewalks**

Add sidewalk, curb/gutter, bike lanes, 6' pavement widening, ADA-Accessible Ramps, and retaining walls on Vine Hill School Road and Tabor Drive.

Location: North side of Vine Hill School Road and both sides of Tabor Drive, along the Vine Hill Elementary School's frontage property.

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	100	25	5		70			
STIP (SOF)	400				400			
<b>Totals</b>	<b>500</b>	<b>25</b>	<b>5</b>		<b>470</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>	7/12	4/13	4/13	5/14
	<i>Finish Phase</i>	2/14	2/14	2/14	9/14

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 20 PubTransit: 0 Ped: 80

**SV 26 Scotts Valley Dr Slurry Seal, Rehabilitation, and Restriping: Mt. Hermon Rd to Granite Creek Rd**

Slurry seal resurfacing, rehabilitation, and restriping.

Location: Scotts Valley Dr: Mt. Hermon Road to Granite Creek Road Overpass (2.1 miles)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	44	1	10		33			
RSTPX	225				225			
<b>Totals</b>	<b>269</b>	<b>1</b>	<b>10</b>		<b>258</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>	8/13
	<i>Finish Phase</i>	Nov 2013

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0

SV 27

## Mt. Hermon Rd/Scotts Valley Dr/Whispering Pines Dr Intersection Operations Improvement Project

Add a left turn lane from northbound Mt. Hermon Rd. to eastbound Whispering Pines Dr, modify existing signal, construct curb, gutter, sidewalk and curb ramps, modify striping and pavement markings, resynchronize intersection timing, and repave intersection area.

Location: Mt. Hermon Rd/Scotts Valley Dr/Whispering Pines Dr Intersection

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
Local	88	5	15		68			
RSTPX	346				346			
<b>Totals</b>	<b>434</b>	<b>5</b>	<b>15</b>		<b>414</b>			
<b>Estimated Schedule</b>	Start Phase	1/14	6/14	na	5/15			
	Finish Phase	5/14	8/14	na	10/15			
% of Total Cost by Mode: Highway: 0 Road: 80 RoadRehab: 0 Bike: 10 PubTransit: 0 Ped: 0								

## City of Watsonville

### TRL 18L MBSST Rail Trail: Lee Road, 4000 feet east to City Slough Trail connection

Construction of 4000-foot long pathway parallel to the railroad tracks: eight-foot width asphalt (hma) and two-foot base rock shoulders on each side. A 500 foot long retaining wall up to three foot tall with fence will be needed near Lee Road. A four foot by six foot railroad building at the Ohlone Parkway will need to be relocated. A drainage structure east of Ohlone Parkway will need to be modified. Connection to Lee Road shall require installation of pathway or sidewalk to link to the existing sidewalk. At grade crossing at Ohlone Parkway and at a spur line located between Lee Road and Highway 1.

Location: Santa Cruz Branch Rail Line - Lee Road, 4000 feet east to City Slough Trail connection, Watsonville

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
Land Trust	260	50		10	200			
STIP	1,040		90		950			
<b>Totals</b>	<b>1,300</b>	<b>50</b>	<b>90</b>	<b>10</b>	<b>1,150</b>			
<b>Estimated Schedule</b>	Start Phase	10/14	7/15	1/16	4/16			
	Finish Phase	7/15	4/16	4/16	4/17			
% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 50 PubTransit: 0 Ped: 50								

### WAT 01 Hwy 1/ Harkins Slough Road Interchange

Proposed/pending: Provide congestion relief along Harkins Slough/Green Valley Rd and improve bicycle and pedestrian crossing over Highway 1.

Original: Reconstruct current half interchange to add on and off ramps to the northern side of the interchange in order to relieve congestion at Main Street (Hwy 152)/Green Valley Road intersection. Widen bridge, add bike lanes and sidewalks. (Caltrans Project ID - EA05-44130).

Location: Harkins Slough Rd and Green Valley Rd corridor from Hwy 1/Harkins Slough Rd I/C to Hwy 152/Main St/Green Valley Rd intersection.

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
Local	2,523	285	1,140	243	855			
STIP	7,340			462	6,878			
<b>Totals</b>	<b>9,863</b>	<b>285</b>	<b>1,140</b>	<b>705</b>	<b>7,733</b>			
<b>Estimated Schedule</b>	Start Phase	3/15	9/15	3/16	10/17			
	Finish Phase	9/15	9/16	9/16	10/18			
% of Total Cost by Mode: Highway: 80 Road: 0 RoadRehab: 0 Bike: 10 PubTransit: 0 Ped: 10								

**WAT 38 Airport Blvd Improvements (Freedom Blvd to City Limits)**

Road widening to accommodate extension of bicycle lane and portion of travel lane, installation of bus pull out, new sidewalks and curb ramps, refuge island, rectangular flashing beacan, striping, and roadway rehab.

Location: Airport Blvd from Freedom Boulevard to City limits

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
HSIP	338	3	14	7	314			
Local	98	7	36	18	37			
STIP	850				850			
<b>Totals</b>	<b>1,286</b>	<b>10</b>	<b>50</b>	<b>25</b>	<b>1,201</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	10/14	1/15	4/15	7/15			
	<i>Finish Phase</i>	7/15	7/15	7/15	7/16			
<b>% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 45 Bike: 10 PubTransit: 2 Ped: 43</b>								

**WAT 39 Freedom Blvd Reconstruction (Broadis St to Alta Vista Ave)**

Full depth rehab (reuse existing materials), relocate utilites, concrete pads at bus stop, signage and striping, ADA upgrades to curbs and driveways. Evaluate and if feasible, install bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) to address speed inconsistency between bicyclists and vehicles. Complete sidewalks, including pedestrian buffer, and pedestrian islands at crossings.

Location: Freedom Boulevard from Broadis Street to Alta Vista Avenue (0.8mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	1,507	3	85	2	1,417			
RSTPX	900				900			
<b>Totals</b>	<b>2,407</b>	<b>3</b>	<b>85</b>	<b>2</b>	<b>2,317</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	1/15	4/15	10/15	1/16			
	<i>Finish Phase</i>	7/15	1/16	1/16	7/16			
<b>% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 48 Bike: 5 PubTransit: 2 Ped: 45</b>								

**WAT 40 Airport Boulevard Improvements: Westgate/Larkin to Hanger Way**

Reconstruct roadway, install new sidewalk, upgrade curb ramps and driveway crossings, install median islands, modify traffic signals to include add'l ped crossing and install rectangular rapid flashing beacon at crosswalk.

Location: Airport Boulevard: 1200 feet east of Westgate Drive/Larkin Valley Road near Hwy 1 to east of Hanger Way

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	305	5	50		250			
STIP	1,195				1,195			
<b>Totals</b>	<b>1,500</b>	<b>5</b>	<b>50</b>		<b>1,445</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	1/16	7/16	1/17	4/17			
	<i>Finish Phase</i>	7/16	4/17	4/17	7/18			
<b>% of Total Cost by Mode: Highway: 0 Road: 5 RoadRehab: 53 Bike: 0 PubTransit: 0 Ped: 42</b>								



**WAT 41 Sidewalk Infill Harkins Slough Road and Main Street**

Harkins Slough: 6 ft wide x 180 ft long sidewalks on south side of Harkins Slough Rd and east of Ohlone Pkwy; Main St: 6 ft wide x 450 ft long sidewalks on north side of Main St from Pennsylvania Dr-Pacific Blvd

Location: Harkins Slough Road: east of Ohlone Parkway; and Main Street: Pennsylvania Dr-Pacific Blvd

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	80	10	24	10	36			
STIP	120				120			
<b>Totals</b>	<b>200</b>	<b>10</b>	<b>24</b>	<b>10</b>	<b>156</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>	10/14	1/15	1/15	7/15
	<i>Finish Phase</i>	7/15	7/15	7/15	7/16

**% of Total Cost by Mode:** Highway: 0 Road: 0 RoadRehab: 0 Bike: 0 PubTransit: 0 Ped: 100

**County Health Services Agency****VAR 01 Santa Cruz County Open Streets**

Community events promoting alternatives to driving alone as part of a sustainable, healthy, and active life-style. Temporarily opens roadways to bicycle and pedestrian travel only, diverting automobiles to other roadways.(Average annual cost - \$100k/yr)

Location: Countywide

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	62					62		
RSTPX	50					50		
<b>Totals</b>	<b>112</b>					<b>112</b>		

<b>Estimated Schedule</b>	<i>Start Phase</i>	7/13	5/14
	<i>Finish Phase</i>	4/2014	7/15

**% of Total Cost by Mode:** Highway: 0 Road: 0 RoadRehab: 0 Bike: 0 PubTransit: 0 Ped: 0

**County of Santa Cruz****CO 36 State Park Drive/Seacliff Village Improvements**

Bike lanes, sidewalks, and bus turnouts on St. Park Dr, sidewalks and roadway rehab in Seacliff core area-consistent with the Seacliff Village Plan adopted by the BOS in 2003.

Location: State Park Drive (Sea Ridge Rd to Santa Cruz Ave) and Santa Cruz Ave- Broadway- Center Ave loop.

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Add'l Need	570				570			
County	1,000	5	40	5	950			
RSTPX	587				587			
TDA	263				263			
<b>Totals</b>	<b>2,420</b>	<b>5</b>	<b>40</b>	<b>5</b>	<b>2,370</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>	2000	01/02	02/03	6/15
	<i>Finish Phase</i>	12/14	12/14	6/15	winter 2015

**% of Total Cost by Mode:** Highway: 0 Road: 11 RoadRehab: 30 Bike: 10 PubTransit: 0 Ped: 31

**CO 61 Davenport Resurfacing**

Roadway repairs/fiberized and double fiberized slurry seals to roadways in Davenport area.

Location: 1st Ave & 3rd Ave (east end to Cement Plant Rd); Center St (Marine View Ave to w. end); Church St; Davenport Ave & Ocean St (Hwy 1 to Marine Ave); Fair Ave (Coast Rd to w end); Marine View Ave; San Vicente St.

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	98		6		92			
RSTPX	219				219			
<b>Totals</b>	<b>317</b>		<b>6</b>		<b>311</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>	12/13	12/13	na	Summer 2014
	<i>Finish Phase</i>	12/13	2/14	na	Summer 2014

% of Total Cost by Mode: Highway: 0 Road: 100 RoadRehab: 0 Bike: 0 PubTransit: 0 Ped: 0

**CO 62 Nelson Rd PM 2.0 Storm Damage Repair**

Build permanent bypass around 350 ft. debris that closed road in 2011.

Location: Nelson Rd at PM 2.0

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	220	10	170	40				
STIP (Reserves)	339			244	95			
STIP (SOF)	850				850			
<b>Totals</b>	<b>1,409</b>	<b>10</b>	<b>170</b>	<b>284</b>	<b>945</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>	7/12	7/13	2/14	Smr14
	<i>Finish Phase</i>	4/14	4/14	4/14	Summer 2015

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0

**CO 63 Redwood Lodge Rd PM 1.65 Storm Damage Repair**

Repair 80 ft. slipout/slump to reopen roadway to traffic.

Location: Redwood Lodge Rd PM 1.65

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	150	16	93	9	32			
STIP (SOF)	850				850			
<b>Totals</b>	<b>1,000</b>	<b>16</b>	<b>93</b>	<b>9</b>	<b>882</b>			

<b>Estimated Schedule</b>	<i>Start Phase</i>	7/12	7/13	10/13	Spring15
	<i>Finish Phase</i>	9/14	12/14	10/14	Fall15

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0

**CO 64 Aptos Village Plan Improvements**

Modifications to ped, bike, and auto traffic. Add pedestrian facilities on both sides of Soquel Dr; maintain existing bike lanes; new bus pullout and shelter on north side. Trout Gulch: Replace sidewalks with standard sidewalks on east side, ADA upgrades to west side sidewalks. Install traffic signals at Soquel Dr/Aptos Creek Rd & Soq/Trout Gulch. RR crossing modifications - new crossing arms, concrete panels for vehicle and pedestrian crossings. New RR xing at Parade St. Phase 1: Trout Gulch Rd improvements w/traffic signal and upgraded RR xg at Soquel Dr.

Location: Soquel from 350 ft west of Aptos Creek Rd to 150 ft east of Trout Gulch Rd (1230 ft); Trout Gulch from Soquel to Valencia St (390 ft)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
DevFees	1,575				1,575			
Local	1,112		40	20	1,052			
RSTPX	690				690			
<b>Totals</b>	<b>3,377</b>		<b>40</b>	<b>20</b>	<b>3,317</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	4/02	4/02	1/13	Spring 2015			
	<i>Finish Phase</i>	9/12	1/15	6/14	Fall 2015			
<b>% of Total Cost by Mode: Highway: 0 Road: 25 RoadRehab: 10 Bike: 10 PubTransit: 35 Ped: 15</b>								

**CO 65 17th Ave Cape Seal (Brommer to East Cliff)**

Pavement maintenance, isolated section digout and asphalt replacement and cape seal on entire roadway.

Location: 17th Ave: Brommer to East Cliff (0.62mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	122		54		68			
RSTP	241				241			
<b>Totals</b>	<b>363</b>		<b>54</b>		<b>309</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	12/13	12/13	na	Summer 2015			
	<i>Finish Phase</i>	12/13	2/15	na	Summer 2015			
<b>% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0</b>								

**CO 66 East Cliff Drive Cape Seal (12th-17th)**

Pavement maintenance, isolated section digout and asphalt replacement and cape seal on entire roadway.

Location: East Cliff Drive: 12th-17th (0.35mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	75		33		42			
RSTP	147				147			
<b>Totals</b>	<b>222</b>		<b>33</b>		<b>189</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	12/13	12/13	na	Summer 2015			
	<i>Finish Phase</i>	12/13	2/15	na	Summer 2015			
<b>% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0</b>								

**CO 67 Empire Grade 2-Layer Seal (SC city limits to 130' N of Heller Dr)**

Pavement maintenance, isolated section digout and asphalt replacement and 2-layer seal on entire roadway.

Location: Empire Grade: City of SC limits to 130' N of Heller Drive (0.71mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	122		8		114			
RSTPX	218				218			
<b>Totals</b>	<b>340</b>		<b>8</b>		<b>332</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	12/13	12/13	na	Summer 2014			
	<i>Finish Phase</i>	12/13	2/14	na	Summer 2014			
% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0								

**CO 67B Empire Grade 2-layer Seal (130' north of Heller Dr to 0.79 mi north of Heller)**

Asphalt digout, 2-layer seal, and restriping to rehabilitate the roadway surface.

Location: Empire Grade Rd: 130' north of Heller Dr to 0.79 mi north of Heller, near UCSC entrance

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	33		5		28			
RSTPX	187				187			
<b>Totals</b>	<b>220</b>		<b>5</b>		<b>215</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	12/13	12/13	na	Summer14			
	<i>Finish Phase</i>	12/13	2/14	na	Summer 14			
% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 97 Bike: 0 PubTransit: 3 Ped: 0								

**CO 68 Green Valley Rd 3-Layer Seal: Devon Ln to Melody Ln (0.58 mi)**

Pavement maintenance, isolated section digout and asphalt replacement and 3-layer seal on entire roadway.

Location: Green Valley Rd: Devon Ln to Melody Ln (0.58 mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	95		6		89			
RSTPX	173				173			
<b>Totals</b>	<b>268</b>		<b>6</b>		<b>262</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	12/13	12/13	na	7/14			
	<i>Finish Phase</i>	12/13	2/14	na	10/14			
% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0								

**CO 69 Mt. Hermon Rd Pavement Preservation: Graham Hill to 1000' N of Locatelli Ln**

Pavement maintenance, isolated section digout and asphalt replacement and 3-layer seal.

Location: Mt. Hermon Rd: Graham Hill to 1000' N of Locatelli Ln (1.34mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	195		14		181			
RSTPX	780				780			
<b>Totals</b>	<b>975</b>		<b>14</b>		<b>961</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	12/13	12/13	na	Summer 2014			
	<i>Finish Phase</i>	12/13	2/14	na	Summer 2014			
% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0								

**CO 70 Porter Street Overlay: Capitola Limits to 288' N/O Soquel Dr**

Pavement maintenance, edge grinding, isolated section digout and asphalt replacement and 2" overlay on entire roadway.

Location: Porter Street Overlay: City of Capitola Limits to 288' N/O Soquel Dr (0.34mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	238		10		228			
RSTPX	227				227			
<b>Totals</b>	<b>465</b>		<b>10</b>		<b>455</b>			

  

<b>Estimated Schedule</b>	<i>Start Phase</i>	12/13	12/13	na	Summer 2014
	<i>Finish Phase</i>	12/13	2/14	na	Summer 2014

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0

**CO 71 Bear Creek Rd Surface Seal (PM 4.75-PM 7.0)**

3-layer slurry seal and restriping to rehabilitate the roadway surface.

Location: Bear Creek Rd: PM 4.75-PM 7.0 (2.25mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	357		14		343			
RSTPX	493				493			
<b>Totals</b>	<b>850</b>		<b>14</b>		<b>836</b>			

  

<b>Estimated Schedule</b>	<i>Start Phase</i>	12/13	12/13	na	Smr14
	<i>Finish Phase</i>	12/13	2/14	na	Smr14

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0

**CO 72 Capitola Road Slurry Seal (30th-17th Ave)**

Double fiberized slurry seal and restriping to rehabilitate the roadway surface.

Location: Capitola Road: 30th-17th Ave (0.58mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	105		9		96			
RSTPX	289				289			
<b>Totals</b>	<b>394</b>		<b>9</b>		<b>385</b>			

  

<b>Estimated Schedule</b>	<i>Start Phase</i>	12/13	12/13	na	Smr14
	<i>Finish Phase</i>	12/13	2/14	na	Smr14

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0

**CO 73 Casserly Rd Bridge Replacement**

Replace existing bridge in poor condition over a tributary of Green Valley Creek near Smith Rd intersection

Location: Casserly Road Green Valley Creek near Smith Rd intersection (approx 300ft)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	778	50	75	25	628			
STIP	125				125			
<b>Totals</b>	<b>903</b>	<b>50</b>	<b>75</b>	<b>25</b>	<b>753</b>			

  

<b>Estimated Schedule</b>	<i>Start Phase</i>	6/13	2/16	4/16	4/17
	<i>Finish Phase</i>	1/16	12/16	10/16	10/17

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0

**CO 74 Freedom Blvd Cape Seal (Hwy 1 to Pleasant Vly Rd)**

Asphalt Digout, Cape Seal, and restriping to rehabilitate the roadway surface.

Location: Freedom Blvd: Hwy 1 to Pleasant Vly Rd (3.53mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	584		208		376			
STIP	800				800			
<b>Totals</b>	<b>1,384</b>		<b>208</b>		<b>1,176</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	12/14	12/14	na	Smr15			
	<i>Finish Phase</i>	12/14	2/15	na	Smr15			
% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 90 Bike: 10 PubTransit: 0 Ped: 0								

**CO 76 Portola Dr Cape Seal (E. Cliff to 24th Ave)**

Double fiberized slurry seal and restriping to rehabilitate the roadway surface.

Location: Portola Dr: E. Cliff Dr. to 24th Ave (0.45mi)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	30		4		26			
RSTPX	200				200			
<b>Totals</b>	<b>230</b>		<b>4</b>		<b>226</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	12/13	12/13	na	Smr14			
	<i>Finish Phase</i>	12/13	2/14	na	Smr14			
% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 76 Bike: 19 PubTransit: 5 Ped: 0								

**CO 78 Summit Rd Chip Seal (Soquel-San Jose Rd-Old SC Hwy)**

Asphalt Digout, Chip Seal, and restriping to rehabilitate the roadway surface.

Location: Summit Rd (Soquel-San Jose Rd-Old SC Hwy)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	80		12		68			
RSTPX	450				450			
<b>Totals</b>	<b>530</b>		<b>12</b>		<b>518</b>			
<b>Estimated Schedule</b>	<i>Start Phase</i>	12/13	12/13	na	Smr14			
	<i>Finish Phase</i>	12/13	2/14	na	Smr14			
% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 100 Bike: 0 PubTransit: 0 Ped: 0								

**TRL 9bCO Twin Lakes Beachfront (5th Ave to 7th Ave)**

Segment 9B of MBSST. Includes partial reconstruction of two 12' car lanes, two 5' bike lanes, universal pedestrian walkways, circular stop sign controlled three-way intersection at lower harbor entrance, 3"AC over 9"AB slurry seal, parking. Part of larger Twin Lakes Beachfront project.

Location: East Cliff Dr: 5th Ave to 7th Ave

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Add'l Need	166				166			
Local	231				50	181		
RDA	4,777		655		4,122			
RSTP	200				200			
<b>Totals</b>	<b>5,374</b>		<b>655</b>		<b>4,538</b>	<b>181</b>		
<b>Estimated Schedule</b>	<i>Start Phase</i>	2012	11/13	10/13	Spring 15			
	<i>Finish Phase</i>	2012	6/15	6/14	1/16			
% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 25 Bike: 25 PubTransit: 0 Ped: 50								

## Ecology Action

### EA 01 South County Youth Bike Safety Training

School-based youth bicycle safety training at 8 PVUSD elementary and middle schools. Includes in classroom and on-the-bike training.

Location: PVUSD - 8 schools

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
Local	5				5			
RSTPX	30				30			
<b>Totals</b>	<b>35</b>				<b>35</b>			

<b>Estimated Schedule</b>	Start Phase	3/14	3/14
	Finish Phase	9/15	11/15

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 100 PubTransit: 0 Ped: 0

### RTC 35 Bike/Walk School Incentive and Tracking Program (Boltage/Active4Me)

Bike/walk tracking and incentive program at four elementary schools. Use Boltage and Active4Me technology to encourage biking and walking to schools.

Location: Elementary Schools: 2 in So County (Starlight, HA Hyde), 2 Santa Cruz City (Gault, DeLaveaga)

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
Matching	6					6		
RSTPX	50					50		
<b>Totals</b>	<b>56</b>					<b>56</b>		

<b>Estimated Schedule</b>	Start Phase	Summer 2013	Fall 2013
	Finish Phase	4/14	9/15

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 50 PubTransit: 0 Ped: 50

## SCCRTC

### RTC 01 Freeway Service Patrol (FSP) on Hwy 1 and Hwy 17

Maintain and expand tow truck patrols on Highways 1 and 17. Work with the CHP to quickly clear collisions, remove debris from travel lanes, and provide assistance to motorists during commute hours to keep incident related congestion to a minimum and keep traffic moving. Avg need: \$200k/yr constrained; \$400k/yr total cost.

Location: Highway 17 from the Santa Clara/Santa Cruz county line to Mt. Hermon Rd in Scotts Valley. Highway 1 from Highway 9 in Santa Cruz to State Park Drive in Aptos.

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
ARRA STR	180					180		
FSP Program	3,020					2,982		
RSTPX	450					450		
SAFE Reserves	322					322		
STIP	300					300		
STIP (SOF)	615					615		
<b>Totals</b>	<b>4,887</b>					<b>4,849</b>		

<b>Estimated Schedule</b>	Start Phase	Ongoing
	Finish Phase	Ongoing

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 0 PubTransit: 0 Ped: 0

## RTC 02 Commute Solutions Rideshare Program

Transportation demand management outreach, education and incentives. Includes matching service for carpools, vanpools, and bicyclists. Provides services and information about availability and benefits of alternative transportation modes, including sharing rides, transit, walking, bicycling, telecommuting, alternative work schedules, alternative fuel vehicles, and park-n-ride lots. Avg annual cost: \$250k.

Location: Countywide

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
CMAQ	1,496					1,496		
RSTP	582					582		
RSTPX	200					200		
STIP (SOF)	536					536		
<b>Totals</b>	<b>2,814</b>					<b>2,814</b>		

<b>Estimated Schedule</b>	Start Phase	Ongoing
	Finish Phase	Ongoing

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 8 PubTransit: 10 Ped: 2

## RTC 03 SC Branch Rail Line Acquisition, Corridor Preservation and Improvements

Public purchase and improvement of the Santa Cruz Branch Rail Line right-of-way for preservation of current uses and future transportation purposes. Includes: environmental studies, pre-acquisition, acquisition and some rail line infrastructure improvements.

Location: Davenport to Watsonville Junction

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
Earmark	1,490	240		1,250				
Prop 116	11,000	160		10,840				
RSTPX	1,315		700		615			
STIP	9,350			4,000	5,350			
STIP (SOF)	78	78						
TDA	317	50	5	262				
UP	430		100	330				
<b>Totals</b>	<b>23,980</b>	<b>528</b>	<b>805</b>	<b>16,682</b>	<b>5,965</b>			

<b>Estimated Schedule</b>	Start Phase	10/01	3/10	01/02	Spring 2013
	Finish Phase	4/02 cat ex	6/10	3/10	2015

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 15 PubTransit: 0 Ped: 15

## RTC 04 Planning, Programming & Monitoring (PPM) - SB45

Development and amendments to state and federally mandated planning and programming documents, monitoring of programmed projects. Avg annual cost: \$250k/yr.

Location: Countywide

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
STIP	3,054				3,054			
<b>Totals</b>	<b>3,054</b>				<b>3,054</b>			

<b>Estimated Schedule</b>	Start Phase	Ongoing
	Finish Phase	Ongoing

% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 0 PubTransit: 0 Ped: 0



## RTC 27 Monterey Bay Sanctuary Scenic Trail Network

A network of bicycle and pedestrian facilities. Includes master planning study and environmental review.

Location: Trail segments adjacent to the Santa Cruz Branch Rail Line and spur trails along the coast/Monterey Bay National Marine Sanctuary.

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
CoastConsv	250					250		
Earmark	1,280					1,280		
Local	100					100		
RSTP	132					132		
<b>Totals</b>	<b>1,762</b>					<b>1,762</b>		
<b>Estimated Schedule</b>	Start Phase	2012	2013		2015			
	Finish Phase	2013	2014		ongoing			
% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 40 PubTransit: 0 Ped: 50								

## RTC 31 Park and Ride Lot Development

Upgrade and maintain existing park and ride lots for commuters countywide. Secure additional park and ride lot spaces for motorized vehicles and bicycles.

Location: Countywide, with emphasis on southern sections of county.

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
RSTPX	160				115	45		
<b>Totals</b>	<b>160</b>				<b>115</b>	<b>45</b>		
<b>Estimated Schedule</b>	Start Phase		3/10		2013			
	Finish Phase		6/10		2015-20			
% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 0 PubTransit: 25 Ped: 0								

## RTC 32 Bicycle Route Signage Countywide

Define routes, develop and install signs directing bicyclists to preferred routes to various destinations countywide.

Location: Countywide

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
Add'l Need	400		125		275			
RSTPX	100		75		25			
<b>Totals</b>	<b>500</b>		<b>200</b>		<b>300</b>			
<b>Estimated Schedule</b>	Start Phase		7/10	7/10	2013			
	Finish Phase		6/11	ongoing	2015			
% of Total Cost by Mode: Highway: 0 Road: 0 RoadRehab: 0 Bike: 100 PubTransit: 0 Ped: 0								

## SCCRTC/Caltrans

### RTC 24 91 - Hwy 1: HOV Lanes from Morrissey to San Andreas Rd

Construct HOV or Carpool lanes on Highway 1 from San Andreas/Larkin Valley to Morrissey Boulevard, including auxiliary lanes, reconstruction of interchanges with enhanced bike and pedestrian facilities, arterial and ramp modifications to allow ramp metering, a new bike/ped crossing at Trevethan, and traffic operation system (TOS) element. [Cost if built in entirety: \$585,700. See stand alone projects (RTC24f,e,g,h,I,j,a,m) for cost of incremental implementation.]

Location: In Santa Cruz County on Rte 1 between Morrissey Blvd and Larkin Valley Rd. (PM 7.26/16.15.9) - (18 miles in both directions)

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
CMAQ	5,560	5,560						
RSTPX	6,274	6,274						
STIP	1,375	1,375						
<b>Totals</b>	<b>13,209</b>	<b>13,209</b>						
<b>Estimated Schedule</b>								
Start Phase		2003	TBD	TBD	TBD			
Finish Phase		8/15	TBD	TBD	TBD			
<b>% of Total Cost by Mode: Highway: 83 Road: 5 RoadRehab: 0 Bike: 6 PubTransit: 0 Ped: 6</b>								

### RTC 24f 2 - Hwy 1: 41st to Soquel Av Auxiliary Lanes and Chanticleer Bike/Ped Bridge

Construct auxiliary lanes and a bicycle/pedestrian overcrossing of Hwy 1 at Chanticleer Ave. [Project level design/environmental analysis is currently underway as part of combined Tier 1/Tier 2 environmental effort to establish a Highway 1 Corridor Investment Program (Tier 1) and take a first step toward implementation with this project (Tier 2) upon approval of the final environmental document.]

Location: On State Route 1 - 41st Ave to Soquel Av.

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
Add'l Need	21,000				21,000			
STIP	4,000		2,570	1,430				
STIP (Reserves)	2,000				2,000			
<b>Totals</b>	<b>27,000</b>		<b>2,570</b>	<b>1,430</b>	<b>23,000</b>			
<b>Estimated Schedule</b>								
Start Phase		8/11	1/16	1/16	1/18			
Finish Phase		9/15	9/17	9/17	3/19			
<b>% of Total Cost by Mode: Highway: 75 Road: 0 RoadRehab: 0 Bike: 10 PubTransit: 0 Ped: 15</b>								

### RTC 28 Hwy 1 Auxiliary Lanes: Soquel Ave. to Morrissey Blvd.

Construct auxiliary lanes, northbound and southbound, between Soquel Avenue and Morrissey Boulevard Interchanges. Replace La Fonda Bridge, including wider bicycle lanes and sidewalks.

Location: Hwy 1 b/t Soquel and Morrissey (PM 14.9/15.9)

Fund Source	Total/source	Environmental	Design	Right-of-Way	Construction	Other	ROWSup	Const Sup
CMIA	13,783				13,783			
Earmark	2,642	1,520	677	281			164	
Local	34	34						
RSTPX	954	667	287					
STIP	2,734	146	326	71	2,150		41	
<b>Totals</b>	<b>20,147</b>	<b>2,367</b>	<b>1,290</b>	<b>352</b>	<b>15,933</b>		<b>205</b>	
<b>Estimated Schedule</b>								
Start Phase		1/07	Nov 09	Fall 09	2/12			
Finish Phase		9/21/09	1/11	1/11	12/13			
<b>% of Total Cost by Mode: Highway: 80 Road: 0 RoadRehab: 0 Bike: 5 PubTransit: 5 Ped: 7</b>								

**RTC 30 Hwy 1 Bicycle/Ped Overcrossing at Mar Vista**

Construct a bicycle/pedestrian overcrossing of Hwy 1 in vicinity of Mar Vista Drive, providing improved access to Seacliff and Aptos neighborhoods and schools.

Location: Over Hwy 1 at Mar Vista Drive connecting Seacliff and Aptos.

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
RSTP	967		75	140	752			
STIP	6,564	500	575	1,060	4,429			
<b>Totals</b>	<b>7,531</b>	<b>500</b>	<b>650</b>	<b>1,200</b>	<b>5,181</b>			

  

<b>Estimated Schedule</b>	<i>Start Phase</i>	3/15	6/17	6/17	1/19			
	<i>Finish Phase</i>	6/17	6/18	9/18	9/19			

*% of Total Cost by Mode:* Highway: 0 Road: 0 RoadRehab: 0 Bike: 50 PubTransit: 0 Ped: 50

**SCMTD****MTD 01 MetroBase Consolidated Bus Operations Facility**

Construct a new facility at a centralized location to consolidate 7 operations, maintenance and administration facilities.

Location: Harvey West - Encinal St/Hwy 9. Initially planned for westside of Santa Cruz.

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
FTA 5307	1,005			1,005				
FTA 5309	8,854	1,272	1,384	2,979	3,219			
Local	19,892	318	1,184	879	17,511			
Prop 1B-SLPP	5,812				5,812			
Prop 1B-PTMISEA	26,459				26,459			
PTMISEA Interest	241				241			
STA	7,941		409	4,238	3,294			
STIC	3,376		1,871	397	1,108			
STIP	1,137				1,137			
STIP (AB3090 Reim)	6,363				6,363			
<b>Totals</b>	<b>81,080</b>	<b>1,590</b>	<b>4,848</b>	<b>9,498</b>	<b>65,144</b>			

  

<b>Estimated Schedule</b>	<i>Start Phase</i>	1998			2005-2013			
	<i>Finish Phase</i>	2003	2005	2005	12/15			

*% of Total Cost by Mode:* Highway: 0 Road: 0 RoadRehab: 0 Bike: 0 PubTransit: 100 Ped: 0

**MTD 19 Bus Stop Upgrades**

Install, replace, repairs, and otherwise improve bus shelters and stops.

Location: Santa Cruz County

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	13				13			
STIP	500				500			
<b>Totals</b>	<b>513</b>				<b>513</b>			

  

<b>Estimated Schedule</b>	<i>Start Phase</i>	CE	4/10	na	4/11			
	<i>Finish Phase</i>		12/10		12/13			

*% of Total Cost by Mode:* Highway: 0 Road: 0 RoadRehab: 0 Bike: 0 PubTransit: 100 Ped: 0

**MTD 20 Mainline Routes Runtime Recalibration**

Data collection, analysis and recalibration of route runtimes to improve reliability of arrival and departure timepoints/schedule for major routes (69, 71, 91).

Location: Watsonville-Santa Cruz mainline routes (69, 71, 91)

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	4					4		
RSTPX	30					30		
<b>Totals</b>	<b>34</b>					<b>34</b>		

  

<b>Estimated Schedule</b>	<i>Start Phase</i>	4/14	4/14
	<i>Finish Phase</i>	4/14	10/14

**% of Total Cost by Mode:** Highway: 0 Road: 0 RoadRehab: 0 Bike: 0 PubTransit: 100 Ped: 0

**MTD 21 ParaCruz Van Replacement 2014**

4 replacement vehicles for ADA Complementary Paratransit Service. (2 light-duty CNG vans & 2 medium-duty gas fueled paratransit buses)

Location: Santa Cruz County

<i>Fund Source</i>	<i>Total/source</i>	<i>Environmental</i>	<i>Design</i>	<i>Right-of-Way</i>	<i>Construction</i>	<i>Other</i>	<i>ROWSup</i>	<i>Const Sup</i>
Local	86				86			
STIP	345				345			
<b>Totals</b>	<b>431</b>				<b>431</b>			

  

<b>Estimated Schedule</b>	<i>Start Phase</i>	8/14
	<i>Finish Phase</i>	3/15

**% of Total Cost by Mode:** Highway: 0 Road: 0 RoadRehab: 0 Bike: 0 PubTransit: 100 Ped: 0

**CONTINUED FROM OCTOBER, 2014 MEETING**

**AGENDA:** December 8, 2014

**TO:** Bicycle Advisory Committee

**FROM:** Cory Caletti, Senior Transportation Planner/Bicycle Coordinator

**RE:** Draft "Guidelines to Protect the Safety of Bicyclists, Pedestrians and Disabled Travelers During Road Construction"

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**RECOMMENDATION**

Staff recommends that the Bicycle Advisory Committee review and provide feedback on the Draft "Guidelines to Protect the Safety of Bicyclists, Pedestrians and Disabled Travelers During Road Construction"

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**DISCUSSION**

The Santa Cruz County Health Services Agency's Community Traffic Safety Coalition produces and distributes a guideline for ensuring the safety of bicyclists and pedestrians during road construction projects. The guideline is now being updated to reflect a recent update to the state Manual of Uniform Control Devices which allows a wider range of roadway treatment types as well as updated guidelines and requirements.

RTC provides direct funding to HSA's Ride 'n Stride Program and the Community Traffic Safety Coalition for their work on county-wide bicycle and pedestrian safety education and outreach efforts. The RTC's Bicycle Advisory Committee is frequently asked for input into projects of the Community Traffic Safety Coalition, and as such, your review and feedback of the Draft "Guidelines to Protect the Safety of Bicyclists, Pedestrians and Disabled Travelers During Road Construction" (Attachment 1) is being requested.

**SUMMARY**

Staff recommends that the Bicycle Advisory Committee review and provide feedback on the Draft "Guidelines to Protect the Safety of Bicyclists, Pedestrians and Disabled Travelers During Road Construction"

Attachment 1: Draft "Guidelines to Protect the Safety of Bicyclists, Pedestrians and Disabled Travelers During Road Construction"

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# (DRAFT) Recommended Guidelines to Protect the Safety of Bicyclists, Pedestrians, and Disabled Travelers During Road Construction



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 PROBLEM

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 (eg: metal plate edges or pavement removal/resurface areas which are not tapered).
- Inadequate time to pass through a signalized traffic control.

### Hazards to Pedestrians, Visually Impaired Pedestrians, and Travelers Using a Wheelchair

- 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*.
- 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” diameter or greater are especially hazardous as they may cause a wheelchair to stop abruptly and eject the occupant.

## THE SOLUTION

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\* 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 CA MUTCD states 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.
- 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.
- 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 “Share the Road” 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*.