



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

AGENDA

Monday, June 6, 2016

6:00 pm to 8:30 pm

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

COMMITTEE MEMBERSHIP

<u>Member</u>	<u>Alternate</u>	<u>Representing</u>
Grace Voss	Kem Akol	District 1
David Casterson, Vice -Chair	Jim Cook	District 2
Peter Scott	Will Menchine	District 3
Amelia Conlen, Chair	Vacant	District 4
Rick Hyman	Vacant	District 5
Andy Ward	Daniel Kostelec	City of Capitola
Melissa Ott	Vacant	City of Santa Cruz
Lex Rau	Gary Milburn	City of Scotts Valley
Vacant	Vacant	City of Watsonville
Emily Gomez	Piet Canin	Ecology Action
Leo Jed	Jim Langley	Community Traffic Safety Coalit

The majority of the Committee constitutes a quorum for the transaction of business

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. Approve draft minutes of the April 11th, 2016 Bicycle Advisory Committee meeting (to be distributed at the meeting)
7. Accept summary of Hazard Reports (page 4)
8. Accept roster (page 5)

REGULAR AGENDA

9. User Oriented Transit Planning – Raquel Trinidad, Transportation Planning Technician (pages 6 – 7)
10. Draft “What Pedestrians and Bicyclists Want Each Other to Know” Brochure – Grace Blakeslee, Senior Transportation Planner (pages 8 – 10)
11. City of Scotts Valley Mt. Hermon Rd/Scotts Valley Dr/Whispering Pines Dr Intersection Operations Improvement Project – Scott Hamby, City of Scotts Valley Public Works Director (pages 11)
12. County of Santa Cruz’s Draft Striping Plans for Green Bike Lanes – County Public Works Staff (pages 12 - 13)
13. County of Santa Cruz Transportation Development Act Claim for bikeway maintenance, the Boulder Creek Elementary School Pedestrian Safety Project and the Twin Lakes State Beach/Sanctuary Scenic Trail Project. (pages 14 - 35)
14. Preliminary Draft Project List for the 2040 Regional Transportation Plan and 2040 Metropolitan Transportation Plan/Sustainable Communities Strategy – Ginger Dykaar, Transportation Planner (pages 36 - 75)
15. Update on Campaign to Close Brookwood Drive to Traffic – Amelia Conlen, Bicycle Advisory Committee Chair (map: page 76)
16. North Coast Rail Trail Preliminary Designs – Cory Caletti, Senior Transportation Planner (posted online at www.sccrtc.org/trail under “Current Projects”)
17. Updates related to Committee functions
18. Adjourn

NEXT MEETING: The next Bicycle Committee meeting is scheduled one week earlier than usual on Monday, August 8, 2016 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 / website: 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 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.

TITLE VI NOTICE TO BENEFICIARIES

The RTC operates its programs and services without regard to race, color and national origin in accordance with Title VI of the Civil Rights Act. Any person believing to have been aggrieved by the RTC under Title VI may file a complaint with RTC by contacting the RTC at (831) 460-3212 or 1523 Pacific Avenue, Santa Cruz, CA, 95060 or online at www.sccrtc.org. A complaint may also be filed directly with the Federal Transit Administration to the Office of Civil Rights, Attention: Title VI Program Coordinator, East Building, 5th Floor-TCR, 1200 New Jersey Ave., SE, Washington, DC 20590.

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June 6, 2016
Hazard Report

Date	First Name	Last Name	Contact Info	Location	Cross Street	City	Category	Additional Comments	Forwarded To	Forwarded Date	Response	Images
05/18/16	Steve	Piercy	web@stevenpiercy.com	Soquel Dr	Fairway Dr & Izant Ct	Soquel	traffic signal problem	rider states signals at intersection cycle through stopping traffic on soquel dr. even though no vehicles or peds are present to trigger signal. Izant ct loop detectors may be faulty. Fairway dr may be faulty as well	General Dept of Co of SC	05/19/16		
05/16/16	Peter	Stanger	pi@rattlebrain.com	San Andreas Rd		La Selva Beach	plant overgrowth or interference	rider states bike lane traveling wb toward lsb is down to 6" to 12" with rest of the 3' bike lane covered with ice plant. Sent message regarding this a month ago with no response. Sending as urgent hazard this time.	General Dept of Co of SC	05/17/16		
05/12/16	Ryan	Belcher	rabelcher22@gmail.com	Broadway	Riverside	Santa Cruz	bikeway not clearly marked, no crosswalk or striping	rider states curve in road is on intersection, no bike lane striping across riverside ave to mark bike lane the turn. Cars turn into corners and cut across the bike lane. very dangerous for cyclist, only takes one person once to not pay attention and kill a cyclist as cars are usually going 30 mph around this corner. Please add a bike lane striping across the entire corner. I have personally witnessed numerous cars	Jim Burr	05/12/16		
05/09/16	Donna	Correos	komalacorreos@yahoo.com	Mt Madonna Rd		Watsonville	rough pavement or potholes	rider states huge potholes on right side and middle of mt madonna rd. on a curve that forces people into oncoming traffic to avoid potholes	General Dept. of Co of SC	05/10/16		
05/09/16	Donna	Correos	komalacorreos@yahoo.com	Eureka Canyon Rd		Watsonville	plant overgrowth or interference	rider states trees and bushes have grown over eureka canyon which causes low visibility around curve and tangled in wires	General Dept. of Co of SC	05/10/16		
05/02/16	Skye	Leone	sleone1@ucsc.edu	Bay Ave Escalona Dr	King Street	Santa Cruz	rough pavement or potholes	rider states directly in front of the bust stop the entire bike lane section of the road is chewed up and sinking	Gina Pye Jim Burr	05/03/06	From Pete Rasmussen METRO - Dear Skye, Thank you for making METRO aware of this condition. Street maintenance for this street is handled by the City of Santa Cruz. The City has also contacted METRO regarding this issue, so they are aware of the street's condition, and have plans to repair the street; however, I do not know the timeline for the repairs - 05/03/16	
04/13/16	Peter	Stanger	pi@rattlebrain.com	Soquel Dr		Aptos	rough pavement or potholes, debris on shoulder or bikeway	rider states location on bike lane across from surf city coffee on soquel dr in aptos heading south east. Asphalt patches applied to road surface several time by public works. Patches have settled to create mounds and divots. Crumbled asphalt debris in the bike lane adjacent to patch work. quantity of debris is a hazard that can't be navigated safely on a road bike because of its 2" to 3" thickness. must cross into center of motor vehicle lane to pass this area.	General Dept. of Co of SC	04/14/16		
04/13/16	Peter	Stranger	pi@rattlebrain.com	San Andreas Rd		Watsonville	debris on shoulder or bikeway	rider states that the bike lane heading south towards beach st, after zils rd and before monterey bay academy, there is a tree limb entirely blocking the bike lane and other plant growth along the area that diminishes the width of the bike lane	General Dept of Co of SC	04/13/16		
04/13/16	Peter	Stranger	pi@rattlebrain.com	San Andreas Rd		La Selva Beach	plant overgrowth or interference	rider states the bike lane is reduced top only 1 ft wide because of plant overgrowth	General Dept of Co of SC	04/13/16		

BICYCLE ADVISORY COMMITTEE ROSTER – June, 2016

Representing	Member Name/Contact Info	Appointment Dates
District 1 - Voting Soquel, Live Oak, part of Capitola	Grace Voss 462-4884 gracevoss@sbcglobal.net	First Appointed: 2016 Term Expires: 3/19
Alternate	Kem Akol 247-2944 kemakol@msn.com	First Appointed: 1993 Term Expires: 3/19
District 2 - Voting Aptos, Corralitos, part of Capitola, Nisene Marks, Freedom, PajDunes	David Casterson, Vice-Chair 588-2068 dbcasteron@gmail.com	First Appointed: 2005 Term Expires: 3/18
Alternate	Jim Cook 345-4162 wookiv@comcast.net	First Appointed: 12/13 Term Expires: 3/18
District 3 - Voting Big Basin, Davenport, Bonny Doon, City of Santa Cruz	Peter Scott 423-0796 drip@ucsc.edu	First Appointed: 2007 Term Expires: 3/19
Alternate	William Menchine (Will) 426-3528 menchine@cruzio.com	First Appointed: 4/02 Term Expires: 3/19
District 4 - Voting Watsonville, part of Corralitos	Amelia Conlen, Chair 425-0665 director@bikesantacruzcounty.org	First Appointed: 5/13 Term Expires: 3/18
Alternate	Vacant	Term Expires: 3/18
District 5 - Voting SL Valley, Summit, Scotts Valley, part of Santa Cruz	Rick Hyman bikerick@att.net	First Appointed: 1989 Term Expires: 3/19
Alternate	Vacant	Term Expires: 3/19
City of Capitola - Voting	Andy Ward 462-6653 Andrew.ward@plantronics.com	First Appointed: 2005 Term Expires: 3/17
Alternate	Daniel Kostelec 325-9623 dnlkostelec@yahoo.com	First Appointed: 4/02 Term Expires: 3/17
City of Santa Cruz - Voting	Melissa Ott Melissaott4@gmail.com	First Appointed: 3/15 Term Expires: 3/18
Alternate	Vacant	First Appointed: Term Expires: 3/18
City of Scotts Valley - Voting	Lex Rau 419-1817 lexrau@sbcglobal.net	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
City of Watsonville - Voting	Vacant	Term Expires: 3/19
Alternate	Vacant	Term Expires: 3/19
Bike To Work - Voting	Emily Gomez 415-637-2744 egomez@ecoact.org	First Appointed: 4/14 Term Expires: 3/19
Alternate	Piet Canin 426-5925 ext. 127 pcanin@ecoact.org	First Appointed: 4/02 Term Expires: 3/19
Community Traffic Safety Coalition - Voting	Leo Jed 425-2650 leojed@gmail.com	First Appointed: 3/09 Term Expires: 3/18
Alternate	Jim Langley moblie: 713-7702 jim@jimlangley.net 423-7248	First Appointed: 4/02 Term Expires: 3/18

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

AGENDA: June 6, 2016

TO: Bicycle Committee

FROM: Grace Blakeslee, Transportation Planner

RE: User Oriented Transit Planning Project

RECOMMENDATIONS

Staff recommends that the Bicycle Committee receive information about the User Oriented Transit Planning Project.

BACKGROUND

The Santa Cruz County Regional Transportation Commission (RTC) was awarded a Transit Planning for Sustainable Communities grant of \$150,000 from Caltrans to conduct a User Oriented Transit Travel Planning Project to test an individualized marketing program in Santa Cruz County that encourages solo-drivers to switch transportation modes, with a special emphasis on attracting new transit riders. The project will employ best practices for applying individualized marketing techniques to travel behavior and follow guidance from Federal Transit Administration's Individualized Marketing Project Demonstration Program.

DISCUSSION

The purpose of the User Oriented Transit Planning Project is to test the effect of individualized marketing on changing an individual's transportation choice from solo-driving to transit, bicycling, walking or carpooling in Santa Cruz County. The User Oriented Transit Planning Project will apply individualized marketing techniques to: identify people who are interested in making changes in their travel behavior, provide interested individuals with customized information about travel choices; and encourage participants to make a change from driving to transit, bicycling, walking or carpooling. The pilot project is designed to identify tools that are successful in increasing the use of alternative modes of transportation, especially transit, by Santa Cruz County residents.

The User Oriented Transit Planning Project involves:

- selecting neighborhoods for testing individualized marketing techniques;
- developing customized materials to provide information about access to transit, bicycling and walking services in each targeted neighborhood;
- identifying individuals most likely to change behavior through expressed interest;
- conducting personalized outreach to interested individuals;
- collecting before and after data to measure the change in the frequency participants use transportation modes, and, awareness and attitudes about alternatives to solo-driving;

- using performance measures to analyze the project's effectiveness; and,
- documenting the project activities and results.

The project final report will document the pilot project's research, methodology, materials, techniques and outcomes. A toolkit for conducting a full-scale individualized transit marketing program in Santa Cruz County will be developed based on the project findings.

Project Schedule

- Project Initiation & Design: February-March 2016
- Project Development: April-June 2016
- Procurement for Professional Services: April-May 2016
- Stakeholder Meeting #1: June 2016
- Project Implementation: August 2016-November 2016
- Project Analysis: December 2016-January 2017
- Project Report and Toolkit Development: February 2017-May 2017
- Stakeholder Meeting #2, Review Draft Report and Toolkit: March 2017

SUMMARY

The RTC was awarded a Transit Planning for Sustainable Communities grant of \$150,000 from Caltrans to conduct a User Oriented Transit Travel Planning Project to test an individualized marketing program in Santa Cruz County that encourages solo-drivers to switch transportation modes.

TO: Bicycle Committee

FROM: Grace Blakeslee, Transportation Planner

RE: Pedestrian Safety Work Group – Pedestrian / Bicycle Brochure

RECOMMENDATION:

Staff and the Pedestrian Safety Work Group subcommittee recommend that the Bicycle Committee review the draft text of the brochure titled What Pedestrians and Bicyclists Want Each Other to Know.

BACKGROUND

The E&D TAC's Pedestrian Safety Work Group subcommittee has been working on a number of outreach materials to improve pedestrian access and safety. In 2014, the Pedestrian Safety Work Group finalized the brochure What Pedestrians and Motorists Want Each Other to Know in English and Spanish. New partnerships with stakeholders and community groups were developed through this effort. Caltrans Accessibility Advisory Committee recognized the brochure and the report has been a model for similar efforts throughout California.

DISCUSSION

The E&D TAC's Pedestrian Safety Work Group is taking the lead on developing a brochure to improve pedestrian and bicycle safety. The draft brochure, What Pedestrians and Bicycles Want Each Other to Know, is modeled after the brochures What Bicyclists Want Motorists to Know/What Motorists Want Bicyclist to Know developed by the Bicycle Committee and What Pedestrians and Motorists Want Each Other to Know developed by the Pedestrian Safety Work Group.

Attached is a draft text of the What Pedestrians and Bicycles Want Each Other to Know brochure. The Pedestrian Safety Work Group seeks the Bicycle Committee input on the draft text.

Attachment 1: What Pedestrians and Bicycles Want Each Other to Know - draft brochure text

What Pedestrians and Bicyclists Want Each Other to Know, Draft May 20, 2016

What Pedestrians Want Bicyclists to Know:

Sometimes pedestrians do have the right-of-way.

- Pedestrians do have the right-of-way on sidewalks and in crosswalks. (1)
- If you must ride on a sidewalk, yield to pedestrians, slowing your speed and only passing when there is plenty of room to do so safely. (2)
- When the sidewalk is not useable by pedestrians, they are permitted to use the roadway or bike lane. Respect the speed and manner in which they must travel, especially people using strollers, wheelchairs or other mobility devices. Use care when passing pedestrians. (5)
- Keep crosswalks free and clear for pedestrians when you are stopped at an intersection. (9)
- Don't allow your bike to block pedestrians' access to walk light buttons when you're waiting on a sidewalk to cross at a signalized intersection. (10)

Don't assume that every pedestrian sees you.

- Speak or ring a bike bell to alert pedestrians of your approach. Proceed with caution as they may be blind, hearing impaired or physically unable to move quickly. (3)
- Remember to use hand signals. Let people know your intentions ahead of time. (6)
- Make sure that you and your bike have adequate lighting at night or in inclement weather. Be aware that your lights may temporarily blind pedestrians. (13)

Learn and observe all traffic laws and signs.

- Walk your bike in crosswalks and where signs instruct you to walk your bike: bridges, railroad crossings, etc. Remember that when you are walking your bike, you are a pedestrian. (4)
- Obey all traffic lights and stop signs. Pedestrians expect you to observe the rules of the road like other drivers. (7)
- Don't be a "hit and run" bicyclist. If you collide with a pedestrian, stick around until all parties' needs are addressed. (12)

Watch and be aware of pedestrians.

- Watch for, and yield to pedestrians before making turns or leaving driveways. (8)
- On multi-use paths, be aware that blind or disabled pedestrians may not be able to walk in the ideal location on the right or may require more space while being guided by a dog or another person. (11)
- Stay alert! Put away electronic devices. Distracted bicycling is hazardous to all of us. (14)
- Listen! If using earphones, at least one ear must be free of earbuds and earplugs. (15)

What Bicyclists Want Pedestrians to Know

Pedestrians should expect bicyclists on some sidewalks and paths.

- Sometimes bicyclists are permitted to use the sidewalks. But rules regarding sidewalk riding differ by location. (2)
- Bicyclists may prefer to ride on the sidewalk when they perceive traffic conditions as dangerous, when they are less experienced or when they are riding with children. (3)
- On a multi-use path, bicyclists expect you to walk as far to the right side as is practical. This will make it easier to pass. (11)
- Leave room for bicyclists to proceed if you choose to linger on paths or sidewalks. Keep any dogs on a short leash and under your control. (12)

Take responsibility for your own safety!

- Don't assume bicyclists see you even though you may have the right-of-way. (1)
- Bicyclists cannot stop as quickly as you may think! A bicyclist riding at 15 mph will take at least 8 feet to stop, depending on conditions. (5)
- Don't jay walk. Bicyclists expect you to cross at intersections or in marked crosswalks. (9)
- If you must walk in the roadway or bike lane, it's best to walk facing traffic. Be aware that bicyclists may try to pass you. (10)

Watch and be aware of bicyclists.

- Watch for bicyclists before entering the street, bike lane or separated bikeway. Forcing a bicyclist to swerve could result in serious injury to the bicyclist. (4)
- Be aware of bicyclists' movements and watch for their hand signals. (6)
- Be predictable. Look before changing direction. (8)
- Stay alert! Put away electronic devices. Distracted walking is hazardous to all of us. (13)
- Listen! If using earphones, you still need to be aware of bicyclists. (14)

Learn and observe all laws and signs.

- Obey all traffic lights and stop signs. Bicyclists expect you to observe the rules of the road. (7)

AGENDA: June 14, 2016

TO: Bicycle Advisory Committee

FROM: Grace Blakeslee, Transportation Planner

RE: City of Scotts Valley Mt. Hermon Rd/Scotts Valley Dr/Whispering Pines Dr Intersection Operations Improvement Project

RECOMMENDATION

Staff recommends that the Elderly and Disabled Transportation Advisory Committee receive a presentation on designs for the City of Scotts Valley Mt. Hermon Rd/Scotts Valley Dr/Whispering Pines Dr Intersection Operations Improvement Project.

BACKGROUND

As the Regional Transportation Planning Agency (RTPA) for Santa Cruz County, the Santa Cruz County Regional Transportation Commission (RTC) is responsible for selecting projects to receive certain state and federal funds, including State Transportation Improvement Program (STIP) and Surface Transportation Block Grant Program (STBG) funds (previously known as Regional Surface Transportation Program or RSTP). The RTC selects projects to receive funds through a competitive application process, which includes review by the RTC's advisory committees and a public hearing. Approved projects are programmed in the RTC's [Regional Transportation Improvement Program](#) (RTIP).

DISCUSSION

In December 2013, the RTC allocated \$346,000 to the City of Scotts Valley for Mt. Hermon Rd/Scotts Valley Dr/Whispering Pines Dr Intersection Operations Improvement Project. The project will modify the intersection by extending the length of left turn lane from northbound Mt. Hermon Rd. to eastbound Whispering Pines Drive and adding a third through lane, constructing curb, gutter, sidewalk and curb ramps, modifying striping and pavement markings, improving bicycle facilities, synchronizing the intersection timing, and repaving the intersection area.

City of Scotts Valley staff will present the preliminary design for this segment of the Mt. Hermon Rd/Scotts Valley Dr/Whispering Pines Dr Intersection Operations Improvement Project.



COUNTY OF SANTA CRUZ – DEPARTMENT OF PUBLIC WORKS

GREEN BIKE LANES
Freedom Blvd – HWY 1 Crossing
Striping Plans

DESIGN: JGL

DRAFTING: JGL

CHECKED: JRS

DATE: 12.04.15

SCALE: NTS

JOB NO: (PROJECT NO)

SHEET

1/2



COUNTY OF SANTA CRUZ — DEPARTMENT OF PUBLIC WORKS

GREEN BIKE LANES
Freedom Blvd — HWY 1 Crossing
Striping Plans

DESIGN: JGL
DRAFTING: JGL
CHECKED: JRS

DATE: 12.04.15
SCALE: NTS
JOB NO: (PROJECT NO)

SHEET
2/2

AGENDA: June 6, 2016

TO: Bicycle Advisory Committee

FROM: Cory Caletti, Senior Transportation Planner/Bicycle Coordinator

RE: County of Santa Cruz Article 8 Transportation Development Act Allocation

RECOMMENDATION

Staff recommends that the Bicycle Advisory Committee recommends that the Regional Transportation Commission approve the County Santa Cruz's Article 8 Transportation Development Act allocation claims for \$150,000 for bike lane maintenance; \$150,000 for Boulder Creek Elementary School Pedestrian Safety Project; and \$86,069 for the Twin Lakes State Beach/Monterey Bay Sanctuary Scenic Trail Network project.

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 County of Santa Cruz submitted a request for TDA funds for three projects totaling \$386,069 ([Attachment 1](#)).

Staff recommends that the Bicycle Committee recommend that the Regional Transportation Commission approve the County of Santa Cruz's allocation requests. The project is consistent with the County's March 2011 Bicycle Transportation Plan; and the RTC's Monterey Bay Sanctuary Scenic Trail Network Master Plan and 2014 Regional Transportation Plan.

SUMMARY

The County of Santa Cruz is requesting a TDA Article 8 allocation for bike lane maintenance (\$150,000), Boulder Creek Elementary School Pedestrian Safety Project (\$150,000) and the Twin Lakes State Beach Sanctuary Scenic Trail Project (\$86,069). Staff recommends that the Bicycle Advisory Committee recommends that the Regional Transportation Commission approve the County of Santa Cruz's allocation request.

[Attachment 1](#): County of Santa Cruz Article 8 TDA Allocation Request Letter and Claim Forms



County of Santa Cruz

DEPARTMENT OF PUBLIC WORKS

701 OCEAN STREET, ROOM 410, SANTA CRUZ, CA 95060-4070
(831) 454-2160 FAX (831) 454-2385 TDD (831) 454-2123

JOHN J. PRESLEIGH
DIRECTOR OF PUBLIC WORKS

May 31, 2016

GEORGE DONDERO, EXECUTIVE DIRECTOR
SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1523 Pacific Avenue
Santa Cruz, CA 95060

SUBJECT: TRANSPORTATION DEVELOPMENT ACT ARTICLE 8 PROJECT
ALLOCATION CLAIMS

Dear Mr. Dondero:

The County of Santa Cruz Department of Public Works submits the three enclosed Transportation Development Act (TDA) Article 8 allocation claims for the fiscal years 2015/2016 and 2016/2017, with one of those claims including a remainder allocation request from fiscal year 2014/2015 in the amount of \$2,133. The TDA funds available for FY 2015/2016 are \$187,068 and for FY 2016/17 are \$196,868. All claims are for projects which previously received TDA funding: Bike Lane Maintenance, Monterey Bay Sanctuary Scenic Trail – Twin Lakes State Beach, and the Boulder Creek Elementary School projects.

BIKE LANE MAINTENANCE

An allocation claim for FY 2016/2017 in the amount of \$150,000 is requested for bike lane maintenance of County roads. Basic road maintenance funding continues to be scarce and TDA funds have been used for this program in years past. The funding will allow County crews and contractors to re-stripe, sign, conduct minor repairs, trim brush and trees, and sweep the bike lanes which are located on major arterial roads in the unincorporated area of the County. Bike lane maintenance is critical to supporting traffic safety on County roads.

BOULDER CREEK ELEMENTARY SCHOOL PEDESTRIAN SAFETY PROJECT

An allocation claim for FY 2015/2016 in the amount of \$150,000 is requested for the Boulder Creek Elementary School Project. Previous allocations totaled \$335,898.00. The County has utilized these funds to hire a consulting engineer to design the improvements and conduct various environmental and drainage analyses required for this project which also received federal Safe Routes to School funds in the amount of \$250,000. The project recently was advertised for bids and only one bid was submitted. The bid was significantly higher than anticipated and additional funds are now required for construction of the project. The California Department of Transportation has shown significant support for this project by agreeing to contribute another \$100,000 of Safe Routes to School grant funds.

SANCTUARY SCENIC TRAIL – TWIN LAKES STATE BEACH

Allocation claims for FY 2015/2016 and FY 2016/2017 and a portion of FY 2014/2015 funds in the combined total amount of \$86,069 is requested for the Twin Lakes State Beach Sanctuary Scenic Trail project (FY 2016/2017 = \$46,868, FY 2015/16 = \$37,068, and FY 2014/2015 = \$2,133). These TDA funds will be used to construct the pedestrian and bike improvements on East Cliff Drive fronting Twin Lakes State Beach.

The County Board of Supervisors is scheduled to consider adoption of the attached draft resolution consistent with the above requested TDA allocations for these projects on June 14, 2016. The approved resolution will be forwarded to you when finalized.

The Department of Public Works thanks you for accepting our request for allocations of TDA funding. The preferred method of disbursement is by means of County journal (AUD48) whereby the TDA Article 8 funds should be transferred to Budget Index 621220, subobject 41582. Please contact Jack Sohriakoff, Senior Civil Engineer at (831) 454-2392 if you have any questions or require additional information.

Yours truly,



JOHN J. PRESLEIGH
Director of Public Works

Enclosures

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

Project Information

1. Project Title: Bike Lane Maintenance
2. Implementing Agency: County of Santa Cruz
3. Sponsoring Agency (if different) – must be a TDA Eligible Claimant:
4. TDA funding requested this claim: \$150,000
5. Fiscal Year (FY) for which funds are claimed: FY 2016/2017
6. General purpose for which the claim is made, identified by the article and section of the Act which authorizes such claims: ☒ **Article 8 Bicycle and/or Pedestrian Facility**
7. Contact Person/Project Manager: Jack Sohriakoff, Senior Civil Engineer
Telephone Number: (831) 454-2160 E-mail: Jack.Sohriakoff@santacruzcounty.us

Secondary Contact (in event primary not available) : Greg Martin, Civil Engineer
Telephone Number: (831) 454-2160 E-mail: Greg.Martin@santacruzcounty.us
8. Project/Program Description/Scope (use additional pages, if needed, to provide details such as work elements/tasks): As in previous years these funds will be utilized by County maintenance crews and contractors to sign, re-stripe, repair, make minor improvements, and sweep bike lanes, bike routes, and bike paths maintained by the County of Santa Cruz Department of Public Works.
9. Number of people to be served/anticipated number of users of project/program:
Estimated County population in 2012 = 266,776 people. Estimated bike riders: 4% of population = 10,670 bicyclists. Bike riders consist of commuters, students, and recreational users. These are considered direct users to be served. However, to a certain extent, all motorists sharing the roads with bike lane users are being served with enhanced traffic safety measures.
10. Project Location/Limits (attach a map and/or photos if available/applicable, include street names):
See attached list of bike lane miles on County maintained roads. Bike lanes are generally located on major arterial roads throughout the County, with most bike lanes located within the urbanized areas of Aptos, Live Oak, Pajaro Valley, and Soquel.
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 is the main goal. It is anticipated that more people will ride bikes due to either a preferred life style and/or economic difficulties experienced in this area. The maintenance of roadways has been significantly reduced due to the recent economic difficulties, and the use of TDA funds to maintain these bike facilities is very critical to maintaining traffic safety.

12. Consistency and relationship with the Regional Transportation Plan (RTP) – please reference Goal or Target number:

Goal 1 – Improve people's access to jobs, schools, health care and other regular needs in ways that improve health, reduce pollution and retain money in the local economy.

Target 1A - Increase the percentage of people that can travel to key destinations within 30- minute walk, bike or transit trip by 20 percent by 2020 and 40 percent by 2035.

Target 1B - Reduce per capita fuel consumption and greenhouse gas emissions by 1 percent by 2020 and 5 percent by 2035.

Target 1C - Reinvest in the local economy \$5 million/year by 2020 and \$10 million/year by 2035 from savings resulting from lower fuel consumption due to a reduction in vehicle miles traveled.

Target 1Dii-Improve multimodal network quality for walk and bicycle trips to and within key destinations

13. Measures of performance, success or completion to be used to evaluate project/program:

Not applicable – on going maintenance of existing facilities.

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

Not applicable – on going maintenance of existing facilities.

15. Project Cost/Budget, including other funding sources, and Schedule: The Santa Cruz County Board of Supervisors adopted the attached resolution for the TDA project funding.

Project Start Date: July 1, 2016, on-going bike lane maintenance

	Planning	Environ- mental	Design/ Engineering	ROW	Construction	Other *	Contingency	Total
SCHEDULE (Month/Yr) Completion Date 6/30/12					7/1/2016 thru 6/30/2017			\$150,000
Total Cost/Phase					\$150,000			\$150,000
STDA requested					\$150,000			\$150,000
Source 2: Prior TDA					\$614,674			\$614,674
Source 3:								
Source 4:								

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

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):

Preferred method for TDA fund distribution is: a. 90% prior to completion/10% upon completion.

17. 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, or has the claimant arranged for such maintenance by another agency for the next 20 years?	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: http://www.dot.ca.gov).	Yes

Documentation to Include with Your Claim:**All Claims**

- ☐ A letter of transmittal addressed to the SCCRTC Executive Director that attests to the accuracy of the claim and all its accompanying documentation.
- ☐ Resolution from the TDA Eligible Claimant indicating its role and responsibilities.

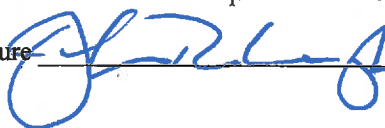
Article 8 Bicycle/Pedestrian Claims

- ☐ Evidence of environmental review for capital projects

Local Agency Certification:

This TDA Claim has been prepared in accordance with the SCCRTC's Budget, SCCRTC's Rules and Regulations, and Caltrans TDA Guidebook (<http://www.dot.ca.gov/hq/MassTrans/State-TDA.html>). I certify that the information provided in this form is accurate and correct. I understand that if the required information has not been provided this form may be returned and the funding allocation may be delayed.

Signature



Title:

Director of Public Works

Date:

5/31/2016

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

Project Information

1. Project Title: Boulder Creek Elementary School Pedestrian Safety Project
2. Implementing Agency: County of Santa Cruz
3. Sponsoring Agency (if different) – must be a TDA Eligible Claimant:
4. TDA funding requested this claim: \$150,000
5. Fiscal Year (FY) for which funds are claimed: FY 2015/2016.
6. General purpose for which the claim is made, identified by the article and section of the Act which authorizes such claims: ☒ **Article 8 Bicycle and/or Pedestrian Facility**
7. Contact Person/Project Manager: Jack Sohriakoff, Senior Civil Engineer
Telephone Number: 831 454-2160 E-mail: Jack.Sohriakoff@santacruzcounty.us

Secondary Contact (in event primary not available): Greg Martin, Civil Engineer
Telephone Number: 831 454-2160 E-mail: Greg.Martin@santacruzcounty.us
8. Project/Program Description/Scope (use additional pages, if needed, to provide details such as work elements/tasks):

The proposed project improvements are pedestrian walkways on two local roads adjacent to and connecting to Boulder Creek Elementary School. A 300 foot retaining wall four feet high and drainage improvements will be required in conjunction with the pedestrian improvements. The total length of the pedestrian improvements is 720 feet. The project was advertised and only one bid was submitted. The bid was \$514,324 but the County does not have enough funding in place to award the project so additional TDA funds are requested as part of the FY 2015/2016 allocation.
9. Number of people to be served/anticipated number of users of project/program:

The student population of Boulder Creek Elementary School is 631 students of which approximately 100 walk to school from within the surrounding residential neighborhood. It is expected that the improvements will encourage a ten percent increase in the number of children walking to school upon completion of the project.
10. Project Location/Limits (attach a map and/or photos if available/applicable, include street names):

The project is located in Boulder Creek, a small rural mountain community on Highway 9 in the Santa Cruz Mountains. Boulder Creek Elementary School is located on a steep hill near the center of town on what has historically been a school site since the late 1800's. See attached map.
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):

Laurel Street along the school frontage operates much as a parking lot would during times when children are coming or going to school. There are no pedestrian facilities in the area so parents and school children must meander between parked and moving vehicles and buses in order to walk from nearby homes to the school grounds. Harmon Street is the main pedestrian route for school children who live in the nearby neighborhood. There are no pedestrian facilities on Harmon Street and the street is very narrow. The attached photos show this more clearly than words or statistics can describe. The local streets leading to the school either serve the school or residences. There is no through traffic issues and the only traffic impacts are a result of school activity at peak drop-off and pick-up times. The San

Lorenzo Valley Unified School District closed two elementary schools in the area and consolidated the student body in the Boulder Creek Elementary School and another elementary school further south on Highway 9 near the town of Felton. This resulted in more vehicle traffic being generated to the school site which contributes to more conflicts between neighborhood children walking to school and vehicles.

12. Consistency and relationship with the 2014 Regional Transportation Plan (RTP) – please reference Project or Policy number:

Goal 1 – Improve people's access to jobs, **schools**, health care and other regular needs in ways that improve health, reduce pollution and retain money in the local economy.

Target 1A - Increase the percentage of people that can travel to key destinations within 30- minute walk, bike or transit trip by 20 percent by 2020 and 40 percent by 2035.

Target 1B - Reduce per capita fuel consumption and greenhouse gas emissions by 1 percent by 2020 and 5 percent by 2035.

Target 1Dii-Improve multimodal network quality for walk and bicycle trips to and within key destinations

13. Measures of performance, success or completion to be used to evaluate project/program:

Number of children walking to school is expected to increase, and incidents/conflicts and the overall risks between pedestrians and vehicles will decrease. Input from the school, parents, and neighbors after project implementation is expected to be positive.

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

None. Laurel Street fronting the school is currently signed as NO PARKING ANY TIME but the project will provide 18 parking spaces.

15. Project Cost/Budget, including other funding sources, and Schedule:

This school safety project has already been allocated \$335,898 in TDA funds and a federal Safe Routes to School grant of \$250,000 has also been awarded, but additional funds are necessary to construct the project. Additional federal grant funds as well as gas tax revenue are being sought. The project is expected to be built during the summer months to avoid conflicts with the school operations.

Capital Projects –

Project Start Date: July 1, 2016

	Planning	Environmental	Design/ Engineering	ROW	Construction	Other*	Contingency	Total
SCHEDULE (Month/Yr) Completion Date N/A								
Total Cost/Phase					\$514,324	\$83,676	\$30,000	\$628,000
\$TDA requested					\$150,000			\$150,000
Source 2: SRTS funds					\$323,000		27,000	\$350,000
Source 3: Previous TDA					\$41,324	\$83,676	3,000	\$128,000
Source 4:								

*Please describe what is included in "Other": Construction Engineering and Overhead

Other expenses include Administration Overhead and Construction Engineering/Inspection.

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):

Preferred method for TDA fund distribution is: a. 90% prior to completion/10% upon completion.

17. 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, or has the claimant arranged for such maintenance by another agency for the next 20 years?	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: http://www.dot.ca.gov).	na

Documentation to Include with Your Claim:

All Claims

- ☐ A letter of transmittal addressed to the SCCRTC Executive Director that attests to the accuracy of the claim and all its accompanying documentation.
- ☐ Resolution from the TDA Eligible Claimant indicating its role and responsibilities.

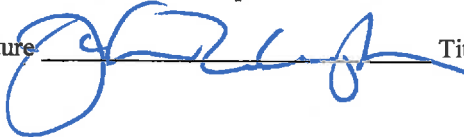
Article 8 Bicycle/Pedestrian Claims

- ☐ Evidence of environmental review for capital projects

Local Agency Certification:

This TDA Claim has been prepared in accordance with the SCCRTC's Budget, SCCRTC's Rules and Regulations, and Caltrans TDA Guidebook (<http://www.dot.ca.gov/hq/MassTrans/State-TDA.html>). I certify that the information provided in this form is accurate and correct. I understand that if the required information has not been provided this form may be returned and the funding allocation may be delayed.

Signature

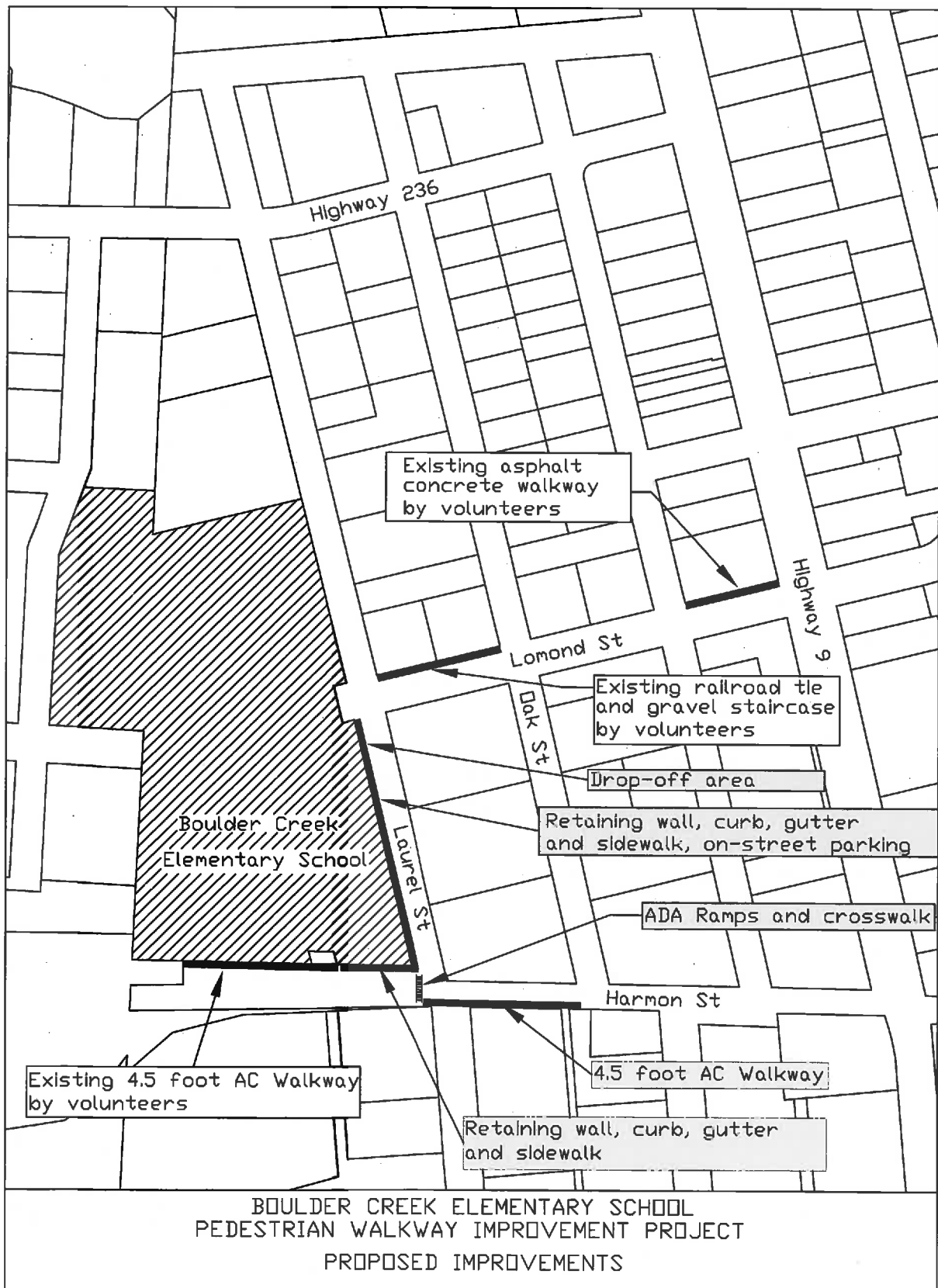


Title:

Director of Public Works

Date:

5/31/2016



Boulder Creek Elementary School Photos



Laurel Street near the school entrance at Lomond Street.



Harmon Street between Laurel Street and Oak Street.



County of Santa Cruz

PLANNING DEPARTMENT

701 OCEAN STREET, 4TH FLOOR, SANTA CRUZ, CA 95060
(831) 454-2580 FAX: (831) 454-2131 TDD: (831) 454-2123
KATHLEEN MOLLOY PREVISICH, PLANNING DIRECTOR
www.sccoplanning.com

NOTICE OF EXEMPTION

To: Clerk of the Board
701 Ocean Street, Room 500
Santa Cruz, CA 95060

Project Name: Boulder Creek Elementary Safe Routes to School
Project Location: 400 W Lomond St, Boulder Creek, CA 95006
Assessor Parcel No.: 081-16-301
Project Applicant: Santa Cruz County Department of Public Works
Project Description: The Boulder Creek Safe Routes to School Improvement Project consists of improvements on several streets near Boulder Creek Elementary School. Curb, gutter, sidewalk, and a 270 foot retaining wall are proposed directly along the school frontage on Laurel Street between Lomond Street and Harmon Street. Diagonal parking along a portion of Laurel Street is proposed as well. Along the school frontage on Bush St, a sidewalk and 90 foot retaining wall are proposed from Laurel Street to the secondary access for the school. On the south side of Harmon Street, an asphalt concrete walkway is proposed from Laurel Street to Oak Street. Drainage improvements shall be required on Laurel Street and at the intersection of Laurel Street and Harmon Street.

Agency

Approving Project: Santa Cruz County Department of Public Works

County Contact: Greg Martin

Telephone No. (831) 454-2160

Date Completed:

This is to advise that the Environmental Coordinator for the County of Santa Cruz has reviewed the above described project on July 7, 2015 and has found the project to be exempt from CEQA under the following criteria:

Exempt status: (check one)

- ☐ The proposed activity is not a project under CEQA Guidelines Section 15378.
- ☐ The proposed activity is not subject to CEQA as specified under CEQA Guidelines Section 15060 (c).
- ☐ Ministerial Project involving only the use of fixed standards or objective measurements without personal judgment.
- ☐ Statutory Exemption other than a Ministerial Project (CEQA Guidelines Section 15260 to 15285).

Specify type:

☒ Categorical Exemption

Class 1 – Existing Structures

Reasons why the project is exempt:

The proposed project consists of the minor alteration of existing public infrastructure involving negligible or no expansion of use beyond that existing at the time of the lead agency's determination.

Signature: 

Date: July 7, 2015 Title: Environmental Coordinator

CATEGORICAL EXEMPTION/CATEGORICAL EXCLUSION DETERMINATION FORM

05-Scr-0-CR	05-1200-0026	SRTSL-5936 (102)
Dist.-Co.-Rte. (or Local Agency) P.M./P.M.	E.A/Project No.	Federal-Aid Project No. (Local Project)/Project No.
PROJECT DESCRIPTION: (Briefly describe project including need, purpose, location, limits, right-of-way requirements, and activities involved in this box. Use Continuation Sheet, if necessary.)		
<p>The County of Santa Cruz, with funding from the Federal Highway Administration and oversight from Caltrans, proposes construction of pedestrian facilities adjacent to Boulder Creek Elementary School, in Santa Cruz County. More specifically, majority of the proposed work will occur on Laurel Street between Lomond Street and Harmon Street. In addition to sidewalk construction, the project will strip for lanes and parking, restripe crosswalks, widen existing roadway, construct retaining walls, install curb and gutters, and remove trees to accommodate construction. The Purpose of the project is to construct a safe route for pedestrian travel and to modernize the road. The project is <i>Needed</i> because there are no existing sidewalks for pedestrians to utilize.</p>		
CEQA COMPLIANCE (for State Projects only)		
Based on an examination of this proposal and supporting information, the following statements are true and exceptions do not apply (See 14 CCR 15300 et seq.):		
<ul style="list-style-type: none"> • If this project falls within exempt class 3, 4, 5, 6 or 11, it does not impact an environmental resource of hazardous or critical concern where designated, precisely mapped and officially adopted pursuant to law • There will not be a significant cumulative effect by this project and successive projects of the same type in the same place, over time. • There is not a reasonable possibility that the project will have a significant effect on the environment due to unusual circumstances. • This project does not damage a scenic resource within an officially designated state scenic highway. • This project is not located on a site included on any list compiled pursuant to Govt. Code § 65962.5 ("Cortese List"). • This project does not cause a substantial adverse change in the significance of a historical resource. 		
CALTRANS CEQA DETERMINATION		
<input type="checkbox"/> Exempt by Statute. (PRC 21080[b]; 14 CCR 15300 et seq.)		
Based on an examination of this proposal, supporting information, and the above statements, the project is:		
<input type="checkbox"/> Categorically Exempt. Class _____ (PRC 21084; 14 CCR 15300 et seq.)		
<input type="checkbox"/> Categorically Exempt. General Rule exemption. [This project does not fall within an exempt class, but it can be seen with certainty that there is no possibility that the activity may have a significant effect on the environment (CCR 15061[b][3])]		
Print Name: Environmental Branch Chief		Print Name: Project Manager/DLA Engineer
Signature	Date	Signature Date
NEPA COMPLIANCE		
In accordance with 23 CFR 771.117, and based on an examination of this proposal and supporting information, the State has determined that this project:		
<ul style="list-style-type: none"> • does not individually or cumulatively have a significant impact on the environment as defined by NEPA and is excluded from the requirements to prepare an Environmental Assessment (EA) or Environmental Impact Statement (EIS), and • has considered unusual circumstances pursuant to 23 CFR 771.117(b). 		
CALTRANS NEPA DETERMINATION (Check one)		
<input checked="" type="checkbox"/> 23 USC 326: The State has determined that this project has no significant impacts on the environment as defined by NEPA, and that there are no unusual circumstances as described in 23 CFR 771.117(b). As such, the project is categorically excluded from the requirements to prepare an environmental assessment or environmental impact statement under the National Environmental Policy Act. The State has been assigned, and hereby certifies that it has carried out the responsibility to make this determination pursuant to Chapter 3 of Title 23, United States Code, Section 326 and a Memorandum of Understanding dated June 07, 2013, executed between the FHWA and the State. The State has determined that the project is a Categorical Exclusion under:		
<input checked="" type="checkbox"/> 23 CFR 771.117(c): activity (c)(3)		
<input type="checkbox"/> 23 CFR 771.117(d): activity (d)()		
<input type="checkbox"/> Activity _____ listed in Appendix A of the MOU between FHWA and the State		
<input type="checkbox"/> 23 USC 327: Based on an examination of this proposal and supporting information, the State has determined that the project is a CE under 23 USC 327.		
Randy LaVack		Garin Schneider
Print Name: Environmental Branch Chief		Print Name: Project Manager/DLA Engineer
Signature Date		Signature Date
Date of Categorical Exclusion Checklist completion: 3/19/15		Date of ECR or equivalent : TBD

CATEGORICAL EXEMPTION/CATEGORICAL EXCLUSION DETERMINATION FORM
Continuation Sheet

05-Scr-0-CR Dist.-Co.-Rte. (or Local Agency)	05-1200-0026 E.A/Project No.	SRTSL-5936 (102) Federal-Aid Project No. (Local Project)/Project No.
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Continued from page 1:

The project shall implement the following avoidance/ minimization measures:

Biology

- As directed by the field arborist, fencing, barricades, and proper root pruning during excavation shall be implemented to protect remaining trees.
- The County will implement a tree re-planting ratio of 2:1 for large-diameter trees. A minimum of four redwoods and six coast live oak trees shall be planted with a 7-year revegetation maintenance program and an 80% survival rate.
- Work activities should be scheduled outside the nesting bird season (February 15 – September 1). If this schedule is not possible, the County shall hire a qualified biologist to conduct preconstruction surveys 30 days prior to vegetation removal.
- All vegetative materials removed from the site will be taken to an approved landfill or green waste composting facility.
- All earthmoving equipment to be used during project construction will be thoroughly cleaned before arriving on the project site.
- All seeding equipment (i.e., hydroseed trucks) will be thoroughly rinsed at least three times offsite prior to commencement of seeding work.

Visual

- Landscaping will be added

Attached to this CE are the NES's avoidance/minimization measures described in full detail

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

Project Information

1. Project Title: Sanctuary Scenic Trail – Twin Lakes State Beach
2. Implementing Agency: County of Santa Cruz
3. Sponsoring Agency (if different) – must be a TDA Eligible Claimant:
4. TDA funding requested this claim: $\$46,868 + \$37,068 + \$2,133 = \$86,069$
5. Fiscal Year (FY) for which funds are claimed: FY 2016/17 (\$46,868), FY 2015/16 (\$37,068) and FY 2014/15 (\$2,133)
6. General purpose for which the claim is made, identified by the article and section of the Act which authorizes such claims: ☒ **Article 8 Bicycle and/or Pedestrian Facility**
7. Contact Person/Project Manager: Jack Sohriakoff, Senior Civil Engineer
Telephone Number: (831) 454-2160 E-mail: Jack.Sohriakoff@santacruzcounty.us

Secondary Contact (in event primary not available): Greg Martin, Civil Engineer
Telephone Number: (831) 454-2160 E-mail: Greg.Martin@santacruzcounty.us
8. Project/Program Description/Scope (use additional pages, if needed, to provide details such as work elements/tasks): The County has participated in the overall planning and implementation of the Sanctuary Scenic Trail and is committed to providing funding for capital improvement projects associated with this corridor, including along the newly acquired rail line. The current programmed project is the Twin Lakes State Beach improvements which include standard pedestrian and bike facilities on East Cliff Drive fronting Twin Lakes State Beach between 5th Avenue and 7th Avenue.
9. Number of people to be served/anticipated number of users of project/program: Estimated number of visitors per year to Twin Lakes State Beach is 500,000. Estimated bike riders: 4% of visitors = 20,000 bicyclists. Estimated pedestrians: 2% of visitors = 10,000 pedestrians. Total bike and ped users = 30,000 annually.
10. Project Location/Limits (attach a map and/or photos if available/applicable, include street names): East Cliff Drive improvements from the harbor entrance at 5th Avenue to 7th Avenue.
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): The proposed improvements have been discussed with the community for over 15 years with its primary goal to establish an overall parking and circulation plan to accommodate the influx of peak summer seasonal traffic and parking demands, as well as year round use, and to protect the road infrastructure from wave action and erosion. The project has received all permits to proceed with construction.
12. Consistency and relationship with the Regional Transportation Plan (RTP) – please reference Goal or Target number:

Goal 1 – Improve people's access to jobs, schools, health care and other regular needs in ways that improve health, reduce pollution and retain money in the local economy.

Target 1Dii-Improve multimodal network quality for walk and bicycle trips to and within key destinations

Goal 2 – Reduce transportation related fatalities and injuries for all modes.

Target 2A - Reduce injury and fatal collisions by mode by 20 percent by 2020 and by 50 percent by 2035

13. Measures of performance, success or completion to be used to evaluate project/program:

Pedestrian and bike infrastructure improvements are to be consistent with the Sanctuary Scenic Trail master plan and the County Design Criteria. The project has been designed and constructed to meet local, state, and/or federal design standards.

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

The Twin Lakes State Beach project will lead to a reduction of parking in the area due to the need for formalizing on street parking in order to protect the road infrastructure. Vehicles currently park haphazardly and degrade the shoulder. A new bike lane and sidewalk will be installed on this portion of East Cliff Drive reducing the conflicts between road users.

15. Project Cost/Budget, including other funding sources, and Schedule: The Santa Cruz County Board of Supervisors adopted the attached resolution for the TDA project funding. The project has been advertised and is expected to be awarded in June 2016. The project has also received over \$680,000 in grant funds from the SCCRTC as part of the MBSST network, the Monterey Bay Air Resources District, and the Coastal Conservancy.

Project Start Date: July 1, 2016 - Sanctuary Scenic Trail - Twin Lakes State Beach

	Planning	Environ- mental	Design/ Engineering	ROW	Construction	Other *	Contingency	Total
SCHEDULE (Month/Yr) Completion Date					July 2016			
Total Cost/Phase					\$4,560,402			\$4,560,402
STDA requested					\$86,069			\$86,069
Source 2: Prior TDA					\$86,822			\$86,822
Source 3: grants					\$682,900			\$682,900
Source 4: local funds					\$3,704,611			\$3,704,611

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

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):

Preferred method for TDA fund distribution is: a. 90% prior to completion/10% upon completion.

17. 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, or has the claimant arranged for such maintenance by another agency for the next 20 years?	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: http://www.dot.ca.gov).	Yes

Documentation to Include with Your Claim:

All Claims

- ☐ A letter of transmittal addressed to the SCCRTC Executive Director that attests to the accuracy of the claim and all its accompanying documentation.
- ☐ Resolution from the TDA Eligible Claimant indicating its role and responsibilities.

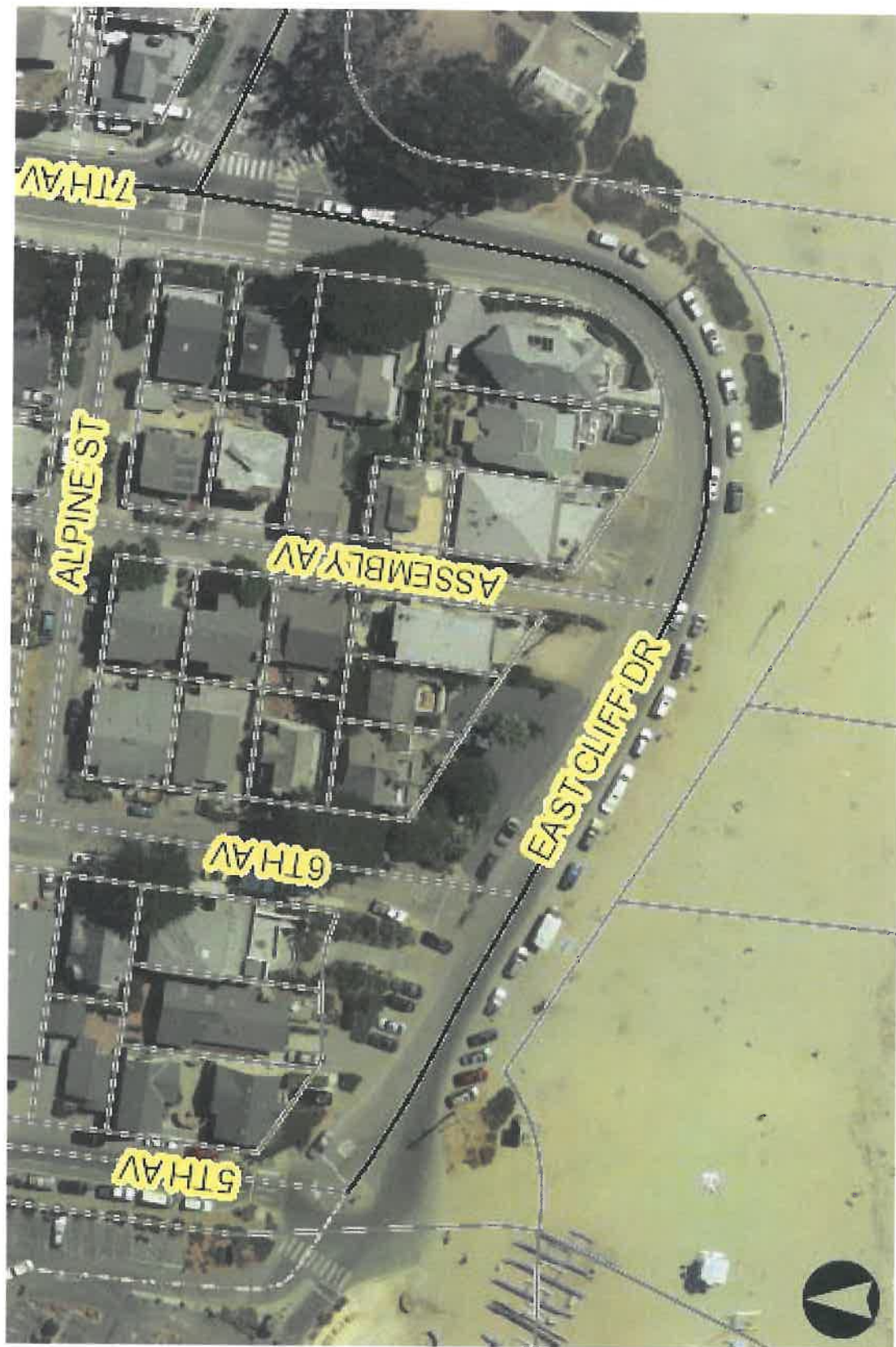
Article 8 Bicycle/Pedestrian Claims

- ☐ Evidence of environmental review for capital projects

Local Agency Certification:

This TDA Claim has been prepared in accordance with the SCCRTC's Budget, SCCRTC's Rules and Regulations, and Caltrans TDA Guidebook (<http://www.dot.ca.gov/hq/MassTrans/State-TDA.html>). I certify that the information provided in this form is accurate and correct. I understand that if the required information has not been provided this form may be returned and the funding allocation may be delayed.

Signature:  Title: Director of Public Works Date: 5/31/2016



Twin Lakes Beachfront – East Cliff Drive 5th to 7th Avenues
Aerial of Existing Conditions



Twin Lakes Beachfront Project – East Cliff Drive 5th to 7th Avenues
Sketch Plan

TWIN LAKES STATE BEACH – SANCTUARY SCENIC TRAIL



EAST CLIFF DRIVE LOOKING TOWARD HARBOR ENTRANCE



EAST CLIFF DRIVE LOOKING TOWARD HARBOR ENTRANCE

#028-14



COUNTY OF SANTA CRUZ 0345

PLANNING DEPARTMENT

701 OCEAN STREET, 4TH FLOOR, SANTA CRUZ, CA 95060
(831) 454-2580 FAX: (831) 454-2131 TDD: (831) 454-2123
KATHLEEN MOLLOY PREVISICH, PLANNING DIRECTOR
<http://www.sccoplanning.com/>

MITIGATED NEGATIVE DECLARATION

Project: East Cliff Drive Pedestrian Improvements Phase III APN(S): N/A, County Right-of-Way

Project Description: Proposal to complete roadway and roadside improvements within the East Cliff Drive public right-of-way between 5th and 7th Avenue to include parking and circulation improvements (vehicle, bicycle, and pedestrian) and a bluff protection structure on the south side of the right-of-way. The project includes the removal of a 24 inch Monterey Cypress tree, a 24 inch and 26 inch Mexican Fan Palm tree, and multiple smaller trees. The project requires a Coastal Development Permit and a Geology, Geotechnology, Seawall Design, Arborist, Preliminary Grading, Drainage, and Biotic Report Reviews.

Project Location: The project is located within the East Cliff Drive public right-of-way between 5th Avenue and 7th Avenue adjacent to Twin Lakes State Beach, Harbor Beach, and the Santa Cruz Yacht Harbor within the Live Oak Planning Area.

Owner: County of Santa Cruz

Applicant: Santa Cruz County Department of Public Works

Staff Planner: Sheila McDaniel, (831) 454-2255

Email: pln056@co.santa-cruz.ca.us

This project will be considered at a public hearing by the Santa Cruz County Planning Commission on October 24, 2012 at 9:00 a.m. or thereafter in the Board of Supervisors Chambers, 701 Ocean Street, 5th Floor, Room 525, Santa Cruz, CA 95060.

California Environmental Quality Act Mitigated Negative Declaration Findings:

Find, that this Mitigated Negative Declaration reflects the decision-making body's independent judgment and analysis, and; that the decision-making body has reviewed and considered the information contained in this Mitigated Negative Declaration and the comments received during the public review period; and, that revisions in the project plans or proposals made by or agreed to by the project applicant would avoid the effects or mitigate the effects to a point where clearly no significant effects would occur; and, on the basis of the whole record before the decision-making body (including this Mitigated Negative Declaration) that there is no substantial evidence that the project as revised will have a significant effect on the environment. The expected environmental impacts of the project are documented in the attached Initial Study on file with the County of Santa Cruz Clerk of the Board located at 701 Ocean Street, 5th Floor, Santa Cruz, California.

Review Period Ends: October 12, 2012

Note: This Document is considered Draft until it is Adopted by the Appropriate County of Santa Cruz Decision-Making Body

Date: Oct 16, 2012

Matt Johnston
MATT JOHNSTON, Environmental Coordinator
(831) 454-3201

RECEIVED
CLERK OF THE BOARD

AUG - 4 2014

BOARD OF SUPERVISORS
COUNTY OF SANTA CRUZ

THIS NOTICE HAS BEEN POSTED AT THE CLERK
OF THE BOARD OF SUPERVISORS OFFICE FOR A

PERIOD COMMENCING 04 Aug 20 14

AND ENDING 03 Sept 20 14



COUNTY OF SANTA CRUZ

PLANNING DEPARTMENT

701 OCEAN STREET, 4TH FLOOR, SANTA CRUZ, CA 95060
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KATHLEEN MOLLOY PREVISICH, PLANNING DIRECTOR
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0346

NOTICE OF DETERMINATION

To:

☒ County of Santa Cruz
Clerk of the Board
701 Ocean Street, Room 500
Santa Cruz, CA 95060

☒ Office of Planning and Research
State Clearinghouse
P.O. Box 3044
Sacramento, CA 95812-3044

Subject: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

State Clearinghouse Number (if applicable): 2012042035

Project Title: East Cliff Drive Pedestrian Improvements Phase III

Project Applicant: County of Santa Cruz - Department of Public Works

Project Location: The project is located within the East Cliff Drive public right-of-way between 5th Avenue and 7th Avenue adjacent to Twin Lakes State Beach, Harbor Beach, and the Santa Cruz Yacht Harbor within the Live Oak Planning Area, in Santa Cruz County.

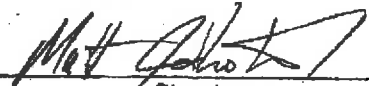
Project Description: Proposal to complete roadway and roadside improvements within the East Cliff Drive public right-of-way between 5th and 7th Avenue to include parking and circulation improvements (vehicle, bicycle, and pedestrian) and a bluff protection structure on the south side of the right-of-way. The project includes the removal of a 24 inch Monterey Cypress tree, a 24 inch and 28 inch Mexican Fan Palm tree, and multiple smaller trees.

This is to advise that the County of Santa Cruz has approved the above described project on 10/24/12
and has made the following determinations regarding the above described project: (Date)

1. The project [☐ will ☒ will not] have a significant effect on the environment.
2. ☐ An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
☒ A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation Measures [☒ were ☐ were not] made a condition of the approval of the project.
4. A mitigation reporting or monitoring plan [☒ was ☐ was not] adopted for this project.
5. A statement of Overriding Considerations [☐ was ☒ was not] adopted for this project.
6. Findings [☒ were ☐ were not] made pursuant to the provisions of CEQA.

This is to certify that the Final EIR with comments and responses and record of project approval, or the Negative Declaration, is available to the General Public at the following location:

County of Santa Cruz Planning Department
701 Ocean Street, 4th Floor
Santa Cruz, CA 95060



Signature
8/14/14

Date Received for Filing at Clerk of the Board

Environmental Coordinator
Title

10/16/12
Date

Date Received for filing at OPR

Updated 12/11

AGENDA: June 6, 2016

TO: Bicycle Advisory Committee

FROM: Ginger Dykaar, Transportation Planner

RE: Project List for 2040 Transportation Plans

RECOMMENDATIONS

Staff recommends that the Bicycle Advisory Committee:

1. Review and provide input on the preliminary draft project list (**Attachment 1**) for the 2040 Regional Transportation Plan and 2040 Metropolitan Transportation Plan/Sustainable Communities Strategy.
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BACKGROUND

As the transportation planning agency for Santa Cruz County, the Regional Transportation Commission (RTC) is responsible for developing, implementing, and regularly updating the Regional Transportation Plan (RTP) for Santa Cruz County. The RTC also works with the Association of Monterey Bay Area Governments (AMBAG) to produce and implement the Metropolitan Transportation Plan (MTP) for the Monterey Bay region. The RTP is the state-mandated long range/20+ year transportation plan and the MTP is the federally-mandated long range transportation plan. To more efficiently and effectively complete the two transportation plans, the RTC works with AMBAG to develop components that can be used for both transportation plans. The RTP and MTP include goals, targets and policies that are used to prioritize projects for funding (Policy Element); identify the area's transportation needs (Action Element); and estimate the amount of state, federal, and local funds that may be available (Financial Element). Projects are required to be included in an RTP and/or MTP to receive certain transportation funds. The last updates of the RTP and MTP were completed in 2014.

DISCUSSION

The Action Element component of the RTP and MTP includes a list of transportation needs in the region through 2040. Over the past several months RTC committees, members of the public and project sponsors have identified projects to be considered for the RTP/MTP draft project list.

The Bicycle Advisory Committee may wish to focus on projects with a significant portion of the funding for bike projects. Notably many bicycle facilities have been grouped together or are components of larger projects.

RTC staff requests that the committee review the preliminary draft project list (Attachment 1) and identify any additional projects or gaps in the transportation system that should be considered for the 2040 RTP.

NEXT STEPS

Once the full list of transportation needs for Santa Cruz County is developed, the project list will undergo various levels of review and analysis, which will ultimately determine which projects are put on the “constrained” list (projects that could be implemented within foreseeable revenues through 2040) or “unconstrained” list (projects that could be funded if new revenues, above and beyond projections, are generated). These reviews include:

1. STARS Analysis: Evaluation of how well projects will advance the goals of the 2040 RTP;
2. Complete Streets Assessment: Analysis to ensure project list addresses “complete streets” needs for Sustainable Communities Strategy (SCS);
3. Sustainable Communities Strategy/Greenhouse Gas Target Achievement Analysis of land use and transportation scenarios;
4. Financial constraint analysis identifying what year projects could realistically be implemented, consistent with annual revenue projections;
5. Program-level environmental review;
6. Public review of the draft RTP/MTP and Draft EIR and board adoption of documents.

Once separated into constrained and unconstrained, the project list will be brought back to the RTC, project sponsors, Advisory Committees and the public for review.

SUMMARY

RTC staff is in the process of developing the complete list of transportation needs for the 2040 Regional Transportation Plan and 2040 Metropolitan Transportation Plan. These plans are long range transportation plans with a horizon year of 2040 and are scheduled for approval in 2018. Staff recommends that committee members provide input on the preliminary draft project list at this meeting.

Attachments:

1. Preliminary Draft 2040 RTP/MTP-SCS Project List

Preliminary Draft 2040 Regional Transportation Plan (RTP) Project List

Santa Cruz County Transportation Needs through 2040

Projects listed by lead agency, in alphabetical order by project name.

Project IDs without the letter "P" in front of the number have been designated funding in the Regional Transportation Improvement Program.

			Costs in 2016 dollars.	Percentage Project Cost By Active Mode (estimate)		
Project Title	ID	Project Description/Scope	Est Cost \$1,000's	Bike:	Ped:	Transit:
Caltrans						
Collision Reduction & Emergency Projects	CT-P46	Various SHOPP projects that address collision reduction, mandates (including stormwater mandates) and emergency projects. (Constrained=30% of total cost).	\$413,915	0	0	0
Hwy 17 Access Management - Long-term Grade Separation Concepts	CT-P51	New structure(s) providing grade-seperation to facilitate crossing and turnaround.	\$100,000	0	0	0
Hwy 17 Access Management - Multimodal Improvements	CT-P50	Multimodal improvements including park and ride improvements, and facilities serving separated bike/ped crossing or express transit route.	\$20,000	0	0	0
Hwy 17 Access Management - Operational Improvements	CT-P49	Operational improvements to existing facilities including ramp modifications, accel/decel lanes, turning lanes, driveway consolidation, driveway channelization, etc.	\$50,000	0	0	0
Hwy 17 Wildlife Habitat Connectivity	CT-P48	Wildlife Crossing	\$9,198	0	0	0
Hwy 9 Operational & Safety Improvements	CT-P09e	Corridor study to identify need for shoulder widening, turnouts for buses, and turn lanes at spot locations in SLV.Cost Est. TBD.	\$0	0	0	0
Minors	CT-P47	Various small SHOPP projects (less than \$1 million) that reduce/enhance maintenance efforts by providing minor operational, pavement rehab, drainage, intersection, electrical upgrades, landscape and barrier improvements. (Constrained=30% of total cost).	\$86,000	0	0	0
State Highway Preservation (bridge, roadway, roadside)	CT-P45	Various SHOPP projects that address bridge preservation, roadway & roadside preservation and limited mobility improvements. (Constrained=30% of cost to maintain).	\$455,803	0	0	0
Caltrans			Total Cost	\$1,134,916		
CHP - California Highway Patrol						
Hwy 129 Safety Program	CHP-P03	Additional CHP enforcement and public education campaign on Highway 129.	\$500	0	0	0
Hwy 17 Safety Program	CHP-P01	Continuation of Highway 17 Safety Program in Santa Cruz County at \$100/year. Includes public education and awareness, California Highway Patrol (CHP) enhancement, pilot cars, electronic speed signs.	\$2,200	0	0	0
Traffic Management	CHP-P02	Patrol of state route system and unincorporated roadways aimed at minimizing traffic collisions and traffic delays; and provide assistance to motorists. COST EST TBD.	\$0	0	0	0
CHP - California Highway Patrol			Total Cost	\$2,700		

			Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
Project Title	ID	Project Description/Scope	Est Cost \$1,000's	(estimate)		
				Bike:	Ped:	Transit:
City of Capitola						
38th Ave (Capitola Rd to City limit to south)- Bike lanes/Traffic Calming	CAP-P45	38th Ave - Add bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals), traffic calming and wayfinding signage from Capitola Mall to City Limit to south, and bike/ped priority crossing of Capitola Rd to Mall.	\$15	40	30	0
40th Ave (at Deanes Ln)Bike/Ped connection	CAP-P46	40th Avenue N/S bike/pedestrian connection at Deanes Lane.	\$5	50	50	0
40th Ave/Clares St Intersection Improvements	CAP-P38	Widen intersection and signalize.	\$1,500	0	0	0
41st Ave (Soquel to Brommer) Signal Synchronization	CAP-P49	Update synchronization of signals on 41st. Coordinate synchronization of 41st Ave with Portola, Soquel, Capitola and Hwy 1 ramps with County.	\$15	0	0	0
41st Ave (Soquel to Portola) Crosswalks	CAP-P47	Evaluate and if found necessary, increase number of crosswalks on 41st to closer to every 300 ft.	\$15	0	100	0
41st Ave/Capitola Road Intersection Improvements	CAP-P37	Widen intersection and reconfigure signal phasing.	\$500	0	0	0
46th/47th Ave (Clares to Cliff Dr) Bike Lanes/Traffic Calming	CAP-P40	46th/47th from Clares to Portola/Cliff - Add traffic calming and wayfinding signage to connect to Brommer and MBSST.	\$15	40	30	0
47th Avenue Traffic Calming and Greenway	CAP-P30	Traffic calming and traffic dispersion improvements along 47th Ave from Capitola Rd to Portola Drive and implementation of greenway, which gives priority to bicycles and pedestrians on low volume, low speed streets including, pedestrian facilities, way finding and pavement markings, bicycle treatments to connect to MBSST.	\$100	10	40	0
Auto Plaza Drive Extension to Bay Avenue	CAP-P35	Extend Auto Plaza Drive over Soquel Creek to Bay Avenue. Includes improvements to Auto Plaza Drive.	\$10,000	10	10	0
Bay Avenue Traffic Calming and Bike/Ped Enhancements	CAP-P29	Traffic calming features along Bay Avenue from Highway 1 to Monterey Avenue, including left turn pocket, buffered pedestrian facilities and bicycle treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) to address speed inconsistency between bicyclists and vehicles.	\$400	10	40	0
Bay Avenue/Capitola Avenue Intersection Modifications/Roundabout	CAP 16	Multimodal improvements to intersection. Roundabout.	\$700	5	5	0
Bay Avenue/Hill Street Intersection	CAP-P07	Intersection improvements to improve traffic flow. Roundabout.	\$200	0	0	0
Bay Avenue/Monterey Avenue Intersection Modification	CAP-P32	Multimodal improvements to the intersection. Include signalization or roundabout along with pedestrian, bicycle treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) and transit access.	\$300	10	30	20
Brommer/Jade/Topaz St Bike Lanes/Traffic Calming (Western City Limit on Brommer to 47thAve)	CAP-P41	Add buffered bike lanes, traffic calming and wayfinding signage and bike/ped priority crossing at 41st Ave, connecting the two N/S neighborhood greenways.	\$15	40	30	0
Capitola Intra-City Rail Trolley	CAP-P18	Construct & Operate Weekend Rail Trolley Service. Project includes installation of 3 stations.	\$14,000	0	0	100
Capitola Jitney Transit Service	CAP-P15	Purchase and operate local transit service.	\$1,000	0	0	100

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Capitola Mall (Capitola Rd to Clares) Bike Path	CAP-P48	Separated bicycle facility through Capitola Mall parking lot to connect 38th Ave bike lanes and 40th Ave.	\$50	100	0	0
Capitola Village Enhancements: Capitola Ave	CAP-P34	Multimodal enhancements along Capitola Avenue.	\$1,000	25	40	10
Capitola Village Multimodal Enhancements - Phase 2/3	CAP-P04b	Multimodal enhancements in Capitola Village along Stockton Ave, Esplande, San Jose Ave, & Monterey Av. Includes sidewalks, bike lanes, bike lockers, landscaping, improve transit facilities, parking, pavement rehab and drainage.	\$3,000	20	50	10
Capitola-wide HOV priority	CAP-P50	Evaluate HOV priority at signals and HOV queue bypass.	\$40	0	0	0
Citywide Bike Projects	CAP-P52	Bike projects based on needs identified through the Bicycle Plan. These projects are in addition to projects listed individually in the RTP.	\$1,000	100	0	0
Citywide General Maintenance and Operations	CAP-P06	Ongoing maintenance, repair, and operation of road/street system within the City limits. (Const=\$400K/yr; Unconst=\$400K/yr).	\$17,600	5	5	0
Citywide Sidewalk Program	CAP-P51	Install sidewalks to fill gaps. Annual Cost \$50k/yr.	\$1,000	0	100	0
Citywide Traffic Calming	CAP-P17	Install traffic calming/neighborhood livability improvements.	\$1,400	10	40	0
Clares St Bike Lanes/Sharrows (Capitola Rd to 41st Ave)	CAP-P42	Evaluate and if found necessary, add bike lanes/sharrows to Clares.	\$5	100	0	0
Clares St/41st Ave Bicycle Intersection Improvement	CAP-P43	Bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) at Clares across 41st.	\$5	100	0	0
Clares Street Pedestrian Crossing west of 40th Ave	CAP-P16	Construct signalized ped x-ing 0.20 miles west of 40th Ave.	\$500	0	100	0
Clares Street Traffic Calming	CAP 11	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.	\$425	20	15	5
Cliff Drive Improvements	CAP-P05	Installation of sidewalks, pedestrian crossing and slope stabilization of embankment including seawall.	\$1,500	0	10	0
Gross/41st Ave Bicycle Intersection Improvement	CAP-P44	Bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) from Gross E/B to 41st N/B.	\$15	0	100	0
Hwy 1/41st Avenue Interchange	CAP-P01	Implement 41st Avenue & Bay Ave/Porter Ave single interchange improvements as detailed and expensed in Hwy 1 HOV project (RTC 24) as a stand alone project if the RTC project does not proceed. (\$117M)	\$0	10	0	0
Monterey Avenue at Depot Hill	CAP-P28	Improve vehicle ingress and egress to Depot Hill along Escalona Ave and improve pedestrian facilities.	\$250	0	50	0
Monterey Avenue Multimodal Improvements	CAP-P12	Installation of sidewalks and bike lanes in area near school and parks.	\$350	40	60	0
Park Avenue Sidewalks	CAP 15	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.	\$500	0	95	5

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.		Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's		Bike:	Ped:	Transit:
Park Avenue/Kennedy Drive Improvements	CAP-P09	Construct intersection improvements, especially for bikes/peds. May include traffic signal.	\$350		0	0	0
Stockton Ave Bridge Rehab	CAP-P07p	Replace bridge with wider facility that includes standard bike lanes and sidewalks.	\$2,500		10	15	0
Upper Capitola Avenue Improvements	CAP-P03	Installation of bike lanes and sidewalks on Capitola Av. (Bay Av.-SR 1) and sidewalks on Hill St. from Bay Av. to Capitola Av.	\$1,300		30	70	0
Upper Pacific Cove Parking Lot Pedestrian Trail and Depot Park Metro Development	CAP 17	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. Part of MBSST.	\$300		0	100	0
Wheelchair Access Ramps	CAP-P27	Install wheelchair access/curb cut ramps on sidewalks citywide.	\$25		0	100	0
City of Capitola			Total Cost	\$61,895			

City of Santa Cruz

Almar Ave Sidewalks	SC-P126	Fill gaps in sidewalks and access ramps to improve pedestrian safety.	\$200		0	100	0
Arroyo Seco Trail (Medar St to Grandview St)	SC-P107	Pave exiting gravel trail and widen and pave connection to Grandview St.	\$290		50	50	0
Bay Street Corridor Modifications	SC-P77	Intersection modifications on Bay St Corridor from Mission St to Escalona Dr, including widening at the Mission St northeast corner and widening on Bay. Improve bike lanes and add sidewalks to west side of Bay.	\$4,130		10	10	10
Bay/California Traffic Signals	SC-P96	Install traffic signals for safety and capacity improvements.	\$520		10	10	10
Bay/High Intersection Modification	SC-P109	Install a roundabout or modify the traffic signal to include protected left-turns and new turn lanes. Revise sidewalks, access ramps and bike lanes as appropriate.	\$2,070		20	20	20
Beach/Cliff Intersection Signalization	SC-P93	Signalize intersection for pedestrian and train safety.	\$210		20	0	0
Branciforte Creek Bike/Ped Crossing	SC 46	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	\$2,830		50	50	0
Branciforte Creek Pedestrian Path Connections	SC-P95	Fill gaps in pedestrian and bike paths along and across Branciforte Creek in the Ocean-Lee-Market-May Streets area.	\$3,410		50	50	0
Brookwood Drive Bike and Pedestrian Path	SC-P21	Provide 2-way bicycle and pedestrian travel.	\$1,030		50	50	0
Chestnut St. Pathway	SC-P22	Install a Class 1 bicycle/pedestrian facility to connect the east side of Neary Lagoon Park with the Depot Park path.	\$570		50	50	0
Chestnut Street Bike Lanes	SC-P47	Install Class 2 bike lanes to provide connection from existing bike lanes on Laurel Street and upper Chestnut Street to proposed Class 1 bike path connections to Bay Street and Pacific Avenue/Beach Street.	\$570		100	0	0
Citywide Operations and Maintenance	SC-P07	Ongoing maintenance, repair, and operation of street system within the City limits. (Const=\$3.0M/yr; Unconst=\$4.2M/yr)	\$163,630		20	20	20

Project Title	ID	Project Description/Scope	Est Cost \$1,000's	Percentage Project Cost By Active Mode (estimate)		
				Bike:	Ped:	Transit:
Citywide Safe Routes to School Projects	SC-P125	Projects to improve pedestrian and bicycle safety near schools.	\$1,404	50	50	0
Delaware Avenue Complete Streets	SC-P23	Fill gaps in bicycle lanes, sidewalks and sidewalk access ramps.	\$50	100	0	0
High St/Moore St Intersection Modification	SC-P90	Add a protected left turn to existing signalized intersection along High St at city arterial. Project is located in high pedestrian and bicycle use activity area.	\$100	10	10	10
Hwy 1 - Harvey West Area Alternative Access	SC-P108	Development of an on/off ramp from NB Highway 1 to Harvey West Boulevard/Evergreen St, to improve access, especially during peak congestion times and emergencies.	\$4,130	0	0	0
Hwy 1 Sound Wall	SC-P03	Install sound wall on Hwy 1: River to Chestnut.	\$520	0	0	0
Hwy 1/9 Intersection Modifications	SC 25	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 - 05-46580)	\$6,400	5	5	5
Hwy 1/Mission St at Chestnut/King/Union Intersection Modification	SC-P81	Modify design of existing intersections to add lanes and upgrade the traffic signal operations to add capacity, reduce delay and improve safety. Provide access ramps and bike lanes on King and Mission. Includes traffic signal coordination.	\$4,650	10	10	10
Hwy 1/San Lorenzo Bridge Replacement	SC 38	Replace the Highway 1 bridge over San Lorenzo River to increase capacity, improve safety and improve seismic stability, from Highway 17 to the Junction of 1/9. Reduce flooding potential and improve fish passage. Caltrans Project ID 05-0P460	\$16,320	0	0	5
Hwy 1/Shaffer Rd Signalization	SC-P92	Signalization of intersection of Hwy 1 and Shaffer Rd. Project may include some widening of Hwy 1 to accommodate a left turn lane.	\$520	5	5	0
King Street Bike Facility (entire length)	SC-P59	Install Class 2 bike lanes on residential collector street which includes some parking and landscape strip removals, and some drainage inlet modifications.	\$2,070	100	0	0
King/Laurel Intersection Modification	SC-P114	Modify unsignalized intersection to add eastbound right turn lane.	\$100	10	0	0
Laurent/High Intersection Improvements	SC-P97	Install Traffic Signal.	\$410	10	10	10
Lump Sum Bike Projects	SC-P75	Bike projects based on needs identified through the Master Transportation Study, bike plan, Active Transportation Plan and Santa Cruz City Schools Complete Streets Master Plan. These are in addition to projects listed individually in the RTP.	\$4,130	100	0	0
Market Street Sidewalks and Bike Lanes	SC-P105	Completion of sidewalks and bicycle lanes. Includes retaining walls, right-of-way, tree removals, and a bridge modification.	\$1,030	50	50	0
Measure H Road Projects	SC-P104	Road rehabilitation and reconstruction projects citywide to address backlog of needs using Measure H sales tax revenues. (Some Measure H funds anticipated to fund specific projects listed in the RTP).	\$23,760	0	0	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Mission St (Hwy 1)/Laurel St Intersection Modification	SC-P112	Modify traffic signal to add right-turn from Mission St to Laurel St and signal overlap phase.	\$1,030	0	0	10
Mission sT (Hwy 1)/Swift St Intersection Modification	SC-P113	Modify traffic signal to add Swift St right-turn lane and signal overlap phase.	\$100	0	0	10
Morrissey Blvd. Bike Path over Hwy 1	SC-P29	Install a Class 1 bicycle and pedestrian facility on freeway overpass.	\$90	50	50	0
Morrissey/Poplar/Soquel Intersection Modification	SC-P12	Modify the roadway configuration in the Morrissey/Poplar/Soquel triangle area to improve traffic circulation and safety for all modes.	\$2,070	5	5	0
Mott St (at Hiawatha) Bike/Ped Connections	SC-P118	Add bike/ped connection from end of Mott to MBSST.	\$20	50	50	0
Murray St Bridge Retrofit	SC 37	Seismic retrofit of existing Murray St. bridge (36C0108) over Woods Lagoon at harbor and associated approach roadway improvements and replacement of barrier rail. Includes wider bike lanes and sidewalk on ocean side. Include access paths to harbor if eligible.	\$11,440	5	15	5
Murray St to Harbor Path Connection	SC-P30	Install a Class 1 bicycle/pedestrian facility.	\$210	50	50	0
Neighborhood Traffic Management Improvements	SC-P73	Install traffic control devices and roadway design features to manage neighborhood traffic.	\$2,580	0	0	0
North Branciforte/Water Intersection Modification	SC-P115	Modify traffic signal and add additional lanes per traffic study.	\$2,070	5	5	10
Ocean Sreet Corridor Multiuse Transit Lane	SC-P122	Consider restricting parking to develop business access and transit (BAT) lane to serve tourism and improving transit facilities.	\$410	0	0	100
Ocean St and San Lorenzo River Levee Bike/Ped Connections (Felker, Kennan, Blain, Barson Streets)	SC-P120	Improve pedestrian and bicycle facilities on side streets to connect Ocean Street with San Lorenzo River Levee path system.	\$620	50	50	0
Ocean St Pavement Rehabilitation	SC 48	Pavement rehabilitation using cold-in-place recycling process; includes new curb ramps, restriping of bicycle lanes and crosswalks.	\$1,030	10	20	10
Ocean St Streetscape and Intersection, Plymouth to Water	SC-P86	Implement this phase of the Ocean Street plan and modify Plymouth St to provide separate turn lanes and through lanes, widen sidewalks, pedestrian islands/bulbouts, transit improvements, street trees, street lighting and medians landscaping improvements. This includes pedestrian and bicycle crossing improvements and detection and connectivity to the pedestrian and bicycle path on the San Lorenzo River and adjacent neighborhoods. Include Gateway treatment.	\$4,130	10	10	10
Ocean St Streetscape and Intersection, Water to Soquel	SC-P84	Implement this phase of the adopted Ocean Street plan including adding turn lanes on Ocean Street at the Water Street intersections, wider sidewalks, pedestrian crossing islands/bulb outs, transit improvements, street trees, pedestrian scale street lights, and medians improvements, way finding, and pedestrian and bicycle connectivity to San Lorenzo Park and neighborhoods.	\$6,200	10	10	10
Ocean Street Widening from Soquel to East Cliff	SC-P66	Implement this phase of the Ocean Street plan that includes utility undergrounding, bike lanes, wider sidewalks, pedestrian crossing islands/bulb outs, transit improvements, pedestrian scale street lights, street trees and left turn lanes at Broadway and a right-turn lane at San Lorenzo Blvd. This includes pedestrian and bicycle crossing improvements and detection and connectivity to the pedestrian and bicycle path on the San Lorenzo River and adjacent neighborhoods.	\$5,170	10	10	10

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Ocean Street/San Lorenzo River Levee Area Wayfinding	SC-P124	Install signage on the bike/ped scale to bike/ped facilities connecting key destinations.	\$150	50	50	0
Rail Trail: Segment 7 (Natural Bridges to Pacific Ave)	TRL 07SC	2.4 miles of Monterey Bay Sanctuary Scenic Trail Network (MBSST) Segment 7 along rail line (excluding Moore Creek rail trestle bridge and trail to Natural Bridges Drive).	\$5,470	50	50	0
River (Rte 9)/Encinal Intersection Modification	SC-P111	Modify traffic signal to include new lane assignments on Encinal.	\$310	10	10	10
River (Rte 9)/Fern Intersection Modification	SC-P110	Install traffic signal, sidewalk and new access ramps. Provide bikelanes on Fern.	\$520	10	10	10
Riverside Ave/Second St Intersection Modification.	SC-P13	Modify intersection to reduce congestion and improve pedestrian crossing.	\$80	20	20	10
Riverside Avenue (Barson to Soquel)	SC-P121	Implement pedestrian and bicycle facilities on this low volume, low speed street to better connect and provide an alternative to Ocean Street. This could include way finding, pavement marketings, bicycle treatments, and a ped/bike activated flashers at Riverside and Broadway.	\$210	50	50	0
RiverSt/River Street South Intersection Modification	SC-P116	Install a roundabout or traffic signal to improve access and safety to the Downtown core, integrating bike and pedestrian facilities.	\$520	10	10	10
San Lorenzo River Bike/Ped Path at RR Bridge	SC-P31	Install a Multi-Use bicycle/pedestrian facility to connect the east end of the Beach Street Pathway with East Cliff Drive at the location of the current railroad bridge over the San Lorenzo River and to connect the east and west banks of the San Lorenzo River Pathway. The crossing currently only accommodates pedestrians.(Expensed under RTC-27a, cost for standalone project is \$3,225K).	\$0	50	50	0
San Lorenzo River Levee Path Connection	SC-P35	Install a Multi-Use bicycle/pedestrian facility connecting the end of the San Lorenzo River Levee path on the eastern side of the river, up East Cliff Drive near Buena Vista Ave.	\$2,070	50	50	0
Seabright Avenue Bike Lanes (Pine-Soquel)	SC-P69	Install Class 2 bike lanes on arterial street to complete the Seabright Avenue bike lane corridor and connect to bike lane corridor on Soquel Avenue and Murray. Includes removal of some parking and some landscape strips.	\$2,070	100	0	0
Seabright/Murray Traffic Signal Modifications	SC-P100	Remove split phasing on Seabright and add right-turn lane northbound.	\$1,030	10	10	10
Seabright/Water Intersection Improvements	SC-P99	Modify unsignalized intersection to add northbound right and extend left-turn pocket.	\$100	0	0	0
Shaffer Road Widening and Railroad Crossing	SC-P91	Construction of a new crossing of the Railroad line at Shaffer Rd. and widening at the southern leg of Shaffer in conjunction with development. Complete sidewalks and bike lanes.	\$520	10	10	0
Sidewalk Program	SC-P09	Install and maintain sidewalks and access ramps.	\$20,660	0	100	0
Soquel Ave at Frederick St Intersection Modifications	SC 42	Widen to improve eastbound through-lane transition on Soquel Ave and lengthen right-turn pocket and bicycle lane on Frederick St. Upgrade access ramps.	\$310	20	20	10
Soquel Ave Corridor Widening (Branciforte-Morrissey)	SC-P87	Minor widening and signal modifications along Soquel Ave corridor from Branciforte to Morrissey Blvd to widen sidewalks, transit improvements, improve pedestrian and bicycle detection and crossings, add a travel lane, maintain some commercial parking and improve exiting bike lanes. Replacing the split phasing with protected left-turns at Branciforte to reduce delays for all modes of travel and GHG.	\$2,320	10	10	10
Soquel/Branciforte/Water (San Lorenzo River to Branciforte) Bike Lane Treatments	SC-P123	Consider bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) to address speed inconsistency and parking conflicts between bicyclists and vehicles.	\$410	100	0	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.		Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's		Bike:	Ped:	Transit:
Soquel/Water (Branciforte to Morrissey) Crosswalks	SC-P119	Evaluate and if found necessary implement additional crosswalks on Soquel/Water striving for 300 ft distance between crosswalks with consideration for safety, update crosswalks to more visible pattern (block).	\$100		0	100	0
Storey/King Street Intersection Left-Turn Lane	SC-P76	Remove parking and modify striping for second southbound left turn lane.	\$100		0	0	0
Swift/Delaware Intersection Roundabout or Traffic Signal	SC-P101	Install Traffic Signal or Roundabout at Intersection to improve capacity and safety.	\$1,030		10	10	10
Water St (add Branciforte) Signal Synchronization	SC-P117	Synchronize signals on Water to include Branciforte to existing synchronized signals.	\$210		0	0	0
West Cliff Path Minor Widening (David Way Lighthouse to Swanton)	SC 23	Improve existing path.	\$520		50	50	0
West Cliff/Bay Street Modifications	SC-P83	Signalization at all-way stop controlled intersections.	\$310		10	10	10
City of Santa Cruz			Total Cost	\$321,244			
City of Scotts Valley							
Bean Creek Rd Sidewalks (SVMS to Blue Bonnet)	SV-P35	Fill gaps in sidewalks on Bean Creek Rd.	\$410		0	100	0
Bean Creek Road Realignment	SV-P16	Realign Bean Creek Road to intersect Scotts Valley Drive farther North to create a four way intersection.	\$2,840		0	0	0
Bike Rest Stops in Scotts Valley	SV-P38	Bike rest stops (including racks, water) at Camp Evers Park and Skypark.	\$230		100	0	0
Bluebonnet Lane Bike Lanes	SV-P32	Add bike lanes on Bluebonnet (Bean Ck, through Skypark to Mt. Hermon/Lockwood).	\$150		100	0	0
Citywide Access Ramps	SV-P06	Place handicap ramps at various locations. Avg annual cost: \$8K/yr.	\$210		0	100	0
Citywide Bike Lanes	SV-P41	Construction of additional bike lanes and paths citywide (including Green Hills).	\$3,100		100	0	0
Citywide General Maintenance and Operations	SV-P27	Ongoing maintenance, repairs, and operation of road/street system within the City limits. (\$400K/yr const; \$250/yr unconst).	\$14,770		5	5	5
Citywide Sidewalk Program	SV-P05	Install sidewalks to fill gaps. Annual Cost \$50k/yr	\$5,170		0	100	0
Civic Center Dr Bike Lanes	SV-P33	Add bike lanes to narrow road.	\$410		100	0	0
El Pueblo Rd Ext North	SV-P14	Connect El Pueblo Road via Janis Way to Victor Square, crossing Carbonero Creek.	\$1,240		5	10	0
El Pueblo Rd Extensions	SV-P15	Connect El Pueblo Road to Disc Drive.	\$410		5	10	0
El Rancho Dr Bike Lanes	SV-P36	Add bike lanes on El Rancho within city limits.	\$340		100	0	0
Emergency Access Granite Creek/Hwy 17	SV-P24	Connect Granite Creek Rd to SR 17 via Navarra Drive to Sucinto Drive, for emergency access.	\$570		5	5	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Emergency Access SV DR/Upper Willis Dr	SV-P25	Connect Scotts Valley Drive to Upper Willis Road for emergency access.	\$1,030	5	5	0
Emergency Access Whispering Pines	SV-P26	Connect Whispering Pines Drive to Manana Woods for emergency access.	\$50	5	5	0
Emergency Access-Bethany/Glenwood	SV-P23	Connect Bethany Drive to Glenwood Drive.	\$210	5	5	0
Emergency Access-Sundridge/Pueblo	SV-P22	Connect Sunridge Drive to Disc Drive for emergency access.	\$410	5	5	0
Erba Lane/Terrace View/SV Drive Realignment	SV-P10	Realign Terrace View to access Scotts Valley Drive via Erba Lane.	\$520	0	0	0
Glen Canyon Rd Bike Lanes	SV-P29	Class 2 Bike lanes from Flora Lane to Green Hills. Oak Creek to Flora Ln are already complete.	\$1,030	100	0	0
Glenwood Dr Bike Lanes	SV-P39	Widen road to accommodate bike lanes from Scotts Valley High School to City limits.	\$520	100	0	0
Green Hills Road Bike Lanes	SV-18A	'Bike lanes from Green Hills Est. to Sequoia. Serves: Baymonte Chrn, Vine Hill ES, Scotts Vly MS, HS, & Brook Knoll Schools.	\$720	100	0	0
Hwy 17/Midtown Interchange	SV-P01	Construct new SR17 interchange midway between Mt. Hermon Rd and Granite Creek Rd. Will require right-of-way.	\$30,990	0	0	0
Hwy 17/Mt. Hermon Rd Interchange Operations Improvement	SV-P44	Add lane to SB off-ramp at Hwy 17/Mt. Hermon Rd interchange.	\$1,030	0	0	0
Kings Village Rd/Town Center Entrance Traffic Signal	SV-P52	Install new traffic signal at the intersection of Kings Village Rd and new Town Center entrance (near transit center) with protected pedestrian crossings and transit signal priority. New Signalization of the intersection on Kings Village Rd at the transit center exit and future Plan street connection would provide a location for protected pedestrian crossings, and would allow transit operators to easily exit the transit center and maintain operating schedules.	\$210	10	10	10
Lockhart Gulch Rd Bike Lanes	SV-P37	Add Class 2 bike lanes to narrow, primarily residential street.	\$720	100	0	0
Lockwood Lane Sidewalk and Bike Lanes	SV-P40	Construct Bike Lanes and add sidewalk on the west side from Mt. Hermon to the City limit.	\$520	50	50	0
Lockwood Ln Pedestrian Signal Near Golf Course	SV-P21	Construct a pedestrian signal at unprotected ped crossing on Lockwood Lane.	\$50	0	100	0
Mt Hermon Rd and Scotts Valley Drive - Crosswalks	SV-P49	Increase number of crosswalks on Mt Hermon/Scotts Valley Dr, update crosswalks to block pattern, add pedestrian treatments where necessary at intersections to decrease distance across using refuge islands. Add crosswalks to all sides of intersections (particularly an issue on Scotts Valley Dr). Add HAWK signals to provide a low delay signalized crossing opportunity at select locations. Examples include the Safeway Driveway on Mt. Hermon Rd, at Victor Square/Scotts Valley Dr., and at Tramell Way/Scotts Valley Dr.	\$1,030	0	100	0
Mt Hermon Rd to El Rancho Drive Bike/Ped Connection	SV-P53	New bike/ped connection between Mt Hermon Road and El Rancho Drive which could include improved bike/ped facilities on existing interchange or new bike/ped crossing.	\$1,030	50	50	0
Mt Hermon Rd/ Spring Hill Road Pedestrian Intersection Improvements	SV-P54	Improve pedestrian crossing at Spring Hills Drive and Mt. Hermon Road.	\$50	0	100	0
Mt Hermon Road Sidewalk Connections	SV-P30A	Add sidewalks to fill gaps in business district.	\$520	0	100	0

			Costs in 2016 dollars.	Percentage Project Cost By Active Mode (estimate)		
Project Title	ID	Project Description/Scope	Est Cost \$1,000's	Bike:	Ped:	Transit:
Mt Hermon, Lockwood, Springs Lake Widening	SV-P13	Widen, reconstruct and improve portions of roadway and intersection.	\$4,130	0	0	0
Mt Hermon/King's Village Rd-Transit Signal priority	SV-P46	Transit signal priority at Kings Village Rd/Mt Hermon Rd.	\$80	0	0	100
Mt Hermon/Scotts Valley - Intersection Improvements for Bicycle Treatment	SV-P50	Add bicycle treatments at Mt Hermon/Scotts Valley Dr intersection.	\$10	10	10	0
Mt Hermon/Scotts Valley - Transit Queue Jump	SV-P47	Evaluate and if found to be beneficial, remove right turn islands at Mt Hermon Rd/Scotts Valley Road to add transit queue jump lanes/signals.	\$620	0	0	100
Mt. Hermon Rd Circulation Master Plan	SV-P09	Provides various circulation and access improvements to the Mount Herman corridor.	\$3,620	0	0	0
Mt. Hermon Rd/Scotts Valley Dr/Whispering Pines Dr Intersection Operations Improvement Project	SV 27	Modify intersection: Extend length of left turn lane from northbound Mt. Hermon Rd. to eastbound Whispering Pines Dr and add a third through lane, construct curb, gutter, sidewalk and curb ramps, modify striping and pavement markings, improve bicycle facilities (green lanes and bike box), resynchronize intersection timing, and repave intersection area.	\$450	10	10	0
Mt. Hermon Road/Town Center Entrance Traffic Signal	SV-P51	Install new traffic signal at the intersection of the future Town Center road that will accommodate increased pedestrian travel. Add a right-turn lane on the westbound approach.New signalization of the intersection at the future Town Center's primary access point on Mt. Hermon Road would provide protected pedestrian crossing, ADA accessible curb ramps and detectable surfaces on all intersection corners. Permitted left-turn phasing shall be used for the northbound and southbound approaches, while protected left-turn phasing shall be provided on the eastbound and westbound Mt. Hermon Road approaches.	\$260	10	10	10
N. Navarra Dr-Sucinto Dr Bike Lanes	SV-P34	Add bike lanes to developing area behind commercial.	\$620	100	0	0
Neighborhood Traffic Calming	SV-P28	Citywide traffic calming devices.	\$770	0	0	0
Scotts Valley Town Center Bicycle/Pedestrian Facilities	SV-P45	Bicycle and pedestrian facilities and circulation elements within planned development.	\$4,130	25	25	0
Scotts Valley-wide - Greenway Signage	SV-P48	Add signage for neighborhood greenways.	\$20	50	50	0
Sky Park Commercial Area Circulation	SV-P11	Construct infrastructure improvement for Skypark commercial area.	\$2,070	0	0	0
Synchronize Traffic Signals along Mt. Hermon Road	SV-P42	Re-time to coordinate traffic signals along Mt. Hermon Road.	\$100	0	0	0
City of Scotts Valley			Total Cost	\$87,370		
City of Watsonville						
2nd/Maple Ave (Lincoln to Walker) Traffic Calming and Greenway	WAT-P49	Evaluate and if found necessary, add traffic calming/bicycle traffic priority with wayfinding signage to provide access to MBSST and create low stress grid around downtown.	\$20	10	40	0
5th St (Lincoln to Walker) - Traffic Calming and Greenway	WAT-P50	Evaluate and if found necessary, add traffic calming/bicycle traffic priority with wayfinding signage to provide access to MBSST and create low stress grid around downtown.	\$20	10	40	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Airport Blvd Improvements (Freedom Blvd to City Limits)	WAT 38	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.	\$1,330	10	43	2
Airport Blvd Modifications (Hanger Way to Ross Ave)	WAT-P34	Reconstruct or repave roadway and bikelanes; repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping.	\$520	10	23	2
Airport Boulevard Improvements: Westgate/Larkin to Hanger Way	WAT 40	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.	\$1,550	0	42	0
Alley Improvements	WAT-P36	Repair & reconstruct some alleys.	\$50	0	0	0
Bridge Maintenance	WAT-P35	Maintenance of bridges	\$100	0	0	0
Buena Vista/Calbasas/Freedom Connection	WAT-P30	Construction of roadway connection from Buena Vista area to Freedom Blvd. Reconstruct Via Nicola.	\$5,170	5	10	0
Citywide General Maintenance and Operations	WAT-P06	Ongoing maintenance, repair, and operation of road/street system, including bicycle and pedestrian facilities.(Total Need = \$2,500/year, constr=\$2000/yr)	\$56,820	10	25	2
Citywide Pedestrian Facilities	WAT-P15	Construct sidewalks and curb ramps where necessary. This work is usually combined with the annual road rehabilitation and maintenance projects. Avg annual cost: \$100/yr.	\$2,070	0	100	0
Citywide Transportation Projects	WAT-P24	Lump sum of transportation projects to be identified in the future. Including major rehabilitation and operational improvements (\$1.2M/yr).	\$24,790	15	15	5
Crestview/Wagner Extension	WAT-P29	Construction of roadway connection from Atkinson Lane area to SR 152. Reconstruct/widen Wagner St.	\$4,130	5	10	0
Downtown Watsonville Universal Streets	WAT-P59	Evaluate and if feasible, implement universal streets, which are designed for pedestrians and restrict vehicular access, which facilitate new ped access.	\$520	0	100	0
East Fifth St (Main St to Lincoln St)	WAT-P39	Repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping.	\$260	40	60	0
East Lake Ave-(Hwy 152) Widening (Martinelli St-Holohan Rd)	CT-P33	Widen East Lake Ave. (SR 152) from 2 to 4 lanes (Martinelli St-Holohan Rd).	\$1,030	0	0	0
East Lake/Madison - ped crossing	WAT-P57	Evaluate and if feasible, add pedestrian crossing (HAWK signal if ped volume warrants) at E Lake & Madison for better access to Hall Middle School.	\$260	0	100	0
Freedom Blvd (Davis Ave to Green Valley Rd)	WAT-P68	Repair, reconstruct and/or upgrade pavement, bike lanes, sidewalks, transit facilities, signage and striping	\$1,500	5	20	5
Freedom Blvd (Green Valley Rd to Davis) Bicycle and Pedestrian Improvements	WAT-P61	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.	\$260	50	50	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Freedom Blvd Improvements (Green Valley Rd to Compton Terrace)	WAT-P11	Pavement reconstruction, operation improvements (turn lanes), installation of bike lanes, sidewalks, signing and striping. 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.	\$5,170	10	25	2
Freedom Blvd Pedestrian Crossings (Airport to Lincoln)	WAT-P62	Evaluate and if feasible, install new and improve existing uncontrolled pedestrian crossings at Roach Road, Davis Avenue, Clifford Lane, Mariposa Avenue, Alta Vista Street, Crestview Drive, Martinelli Street and Marin Street).	\$520	0	100	0
Freedom Blvd Reconstruction - Phase 3 (Alta Vista to Davis)	WAT-P33	Pavement reconstruction, operation improvements (turn lanes), installation of bike lanes, sidewalks, signing and striping. 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.	\$2,580	10	25	2
Freedom Blvd Reconstruction (Broadis St to Alta Vista Ave)	WAT 39	Full depth rehab (reuse existing materials), relocate utilities, 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.	\$1,030	5	45	2
Freedom Blvd Undergrounding	WAT-P38	Underground existing overhead utilities.	\$1,270	0	100	0
Freedom Blvd/Green Valley Rd Neighborhood Bike/Ped Connections	WAT-P64	Evaluate and if feasible, implement greenway, which gives priority to bicycles and pedestrians on low volume, low speed streets including, pedestrian facilities, way finding and pavement markings, bicycle treatments to connect neighborhoods to goods and services on Freedom Blvd.	\$1,550	50	50	0
Green Valley Rd Modifications (Freedom Blvd to City Limit)	WAT-P45	Reconstruct or repave roadway and bikelanes; repair, replace and install curb gutter, sidewalk and curb ramps; replace and upgrade striping. Evaluate and if feasible, including pedestrian buffer and bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals).	\$1,810	10	25	2
Green Valley Rd Modifications (Struve Slough to Freedom Blvd)	WAT-P44	Reconstruct or repave roadway and bikelanes; repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping.	\$1,450	10	25	2
Harkins Slough Rd (Hwy 1 to Green Valley Rd)	WAT-P69	Repair, reconstruct and/or upgrade pavement, bike lanes, sidewalks, transit facilities, signage and striping	\$1,000	5	20	5
Hillside Ave to Freedom Blvd Ped/Bike Connection	WAT-P60	Evaluate and if feasible, install new bike/ped connection from Carey Avenue to Freedom Boulevard between Roache Road and Green Valley Road to connect neighborhood to goods, services and transit on Freedom Boulevard. Include new crossing from new bicycle/pedestrian facility to east side of Freedom Boulevard.	\$310	50	50	0
Hwy 1/ Harkins Slough Road Interchange	WAT 01	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).	\$0	10	10	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Hwy 1/Harkins Slough Road Corridor Improvements	WAT 01A	Installation of a signal at the northbound Highway 1 off ramp at Harkins Slough Road; Signal modifications and operational improvements along Harkins Slough Road/Green Valley Road corridor, beginning at Highway 1 off ramp to Main Street (SR 152); Construction of Pedestrian/Bicycle Bridge over Highway 1. Caltrans Project ID 05-1G490 (formerly part of Caltrans Project ID - 05-44130 and WAT 01).	\$8,600	40	40	0
Kearney/Rodriguez - Ped Crossing	WAT-P53	Evaluate and if found necessary, add pedestrian crossing at Kearney and Rodriguez with traffic calming for access to Radcliffe Elementary.	\$30	0	100	0
Lower Watsonville Slough Trail	WAT-P46	Install bicycle/pedestrian trail	\$670	50	50	0
Lump Sum Bicycle Projects	WAT-P19	Update the City Bicycle Plan and construction of additional routes and paths (250k/yr).	\$5,170	100	0	0
Main St - 3 HAWK Signals	WAT-P54	Evaluate and if found necessary, add Hawk signals in 3 locations on Main St.	\$770	0	100	0
Main St (Freedom to Riverside) Ped/Bike Enhancements	WAT-P58	Evaluate and if feasible improve ped facilities and bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) and bike boxes and bicycle priority at intersections on Main Street intersections.	\$770	50	50	0
Main St Modifications (500 Block: Fifth St to East Lake Ave)	WAT-P40	Repair, replace and install curb, gutter, and curb ramps; replace and upgrade signage and striping. Evaluate and if feasible, provide bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals), and buffered sidewalk.	\$620	40	60	0
Main St Modifications (City Limit to Lake Ave)	WAT-P47	Repave roadway and bike lanes; repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping. Evaluate and if feasible, provide bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) and buffered sidewalks.	\$1,450	0	25	2
Main St. (Hwy 152)/Freedom Blvd Roundabout	WAT 27a	Installation of a roundabout to replace the currently signalized intersection with safety considerations for bike/ped. Caltrans Project ID - 05-0T150.	\$1,290	0	15	0
Main St/Beach St/Lake Ave Bike Facilities	CT-P38	Bicycle facilities - Main St (GV Rd to Mont Co line), Beach St (Walker to Lincoln) and Lake Ave (Main St to fairgrounds). County/City Project - Cost unknown.	\$0	100	0	0
Main/Rodriguez/Union/Brennan (Freedom to Riverside) - Crosswalks	WAT-P55	Evaluate and if found necessary, increase the number of crosswalks on Main St, Rodriguez, and Union/Brennan to aim for 300 ft distance between crossings. Update pattern of crosswalks to block pattern.	\$100	0	100	0
MBSST Rail Trail: Lee Road, 4000 feet east to City Slough Trail connection	TRL 18L	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.	\$1,340	50	50	0
MBSSTN Walker St (Watsonville Slough Trailhead to Walker St)	WAT-P71	Construction of 2400-foot long pathway parallel to the railroad tracks. Path shall be twelve-foot width asphalt (hma). Modify drainage facilities east of Ohlone Parkway. Provide connection with Watsonville Slough Trail. Install at grade crossing at spur near Walker St. Modify existing parking area and pedestrian facilities at Walker St/West Beach St intersection.	\$750	50	50	0
Neighborhood Traffic Plan	WAT-P04	Plan to identify and address concerns regarding speeding, bicycle and pedestrian access and safety, and other neighborhood traffic issues (\$5k/yr).	\$100	0	0	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Neighborhood Traffic Plan Implementation	WAT-P13	Address concerns about traffic complaints through Education, Enforcement, and Engineering solutions. Install traffic calming devices that do not impede bicyclist access (\$20k/yr).	\$410	10	20	0
Ohlone Parkway Improvements - Phase 2 (UPRR to West Beach)	WAT-P31	Roadway, pedestrian, and bicycle facilities.	\$520	10	25	2
Pajaro Lane to Freedom Blvd Ped/Bike Connection	WAT-P63	Evaluate and if feasible, new bike/ped connection from Pajaro Lane to Freedom Blvd to connect neighborhood to goods, services and transit on Freedom Boulevard. Include new crossing from new bicycle/pedestrian facility to west side of Freedom Boulevard.	\$310	50	50	0
Pajaro Valley High School Connector Trail	WAT-P42	Install bicycle/pedestrian trail (this trail connects Pajaro Valley High School to Airport Blvd).	\$620	50	50	0
Pennsylvania Dr (Green Valley Rd to Clifford Ave)	WAT-P70	Repair, reconstruct and/or upgrade pavement, bike lanes, sidewalks, transit facilities, signage and striping	\$4,000	5	20	5
Riverside (Hwy 129) Bike Facilities	CT-P39	Bicycle facilities - Lee to Lakeview Road. County/City Project -Cost Unknown.	\$0	100	0	0
Rodriguez St (Main St to Riverside)-Buffered Bike Lane	WAT-P51	Evaluate and if found necessary, improve bike lane striping, add buffered lanes on Rodriguez St to delineate bike lane from vehicle parking and traffic.	\$10	100	0	0
Sidewalk Infill Harkins Slough Road and Main Street	WAT 41	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	\$210	0	100	0
Union/Brennan (Freedom to Riverside) - Sharrows	WAT-P52	Evaluate and if found necessary, add sharrows to Union/Brennan.	\$10	100	0	0
Upper Struve Slough Trail	WAT-P65	Construction of 450 foot long pedestrian/bicycle path along upper Struve Slough from Green Valley Road to Pennsylvania Drive. The trail shall consist of a twelve-foot wide by one foot deep aggregate base section with the center eight feet covered with a chip seal. Additional improvements include installing a 130-length of modular concrete block retaining wall, reinforcing a 160-foot length of slough embankment with rock slope protection and installing a 175-foot long by eight foot wide boardwalk.	\$460	50	50	0
Upper Watsonville Slough Trail	WAT-P43	Install bicycle/pedestrian trail.	\$670	50	50	0
Walker St Modifications (Beach St to Watsonville Slough)	WAT-P48	Repave roadway and bikelanes; repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping	\$2,790	10	25	2
Watsonville Shuttle	WAT-P27	Year round public transit service.	\$260	0	0	100
Watsonville-wide HOV priority	WAT-P56	Evaluate HOV priority at signals and HOV queue bypass.	\$50	0	0	0
West Beach St (Lee Rd to Ohlone Parkway)	WAT-P66	Repair, reconstruct and/or upgrade pavement, bike lanes, sidewalks, transit facilities, signage and striping	\$2,500	5	20	5
West Beach St (Ohlone Parkway to Walker St)	WAT-P67	Repair, reconstruct and/or upgrade pavement, bike lanes, sidewalks, transit facilities, signage and striping	\$4,000	5	20	5
West Lake Ave Modifications (Main St to Rodriguez St)	WAT-P41	Repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping	\$210	40	60	0

			Costs in 2016 dollars.	Percentage Project Cost By Active Mode (estimate)		
Project Title	ID	Project Description/Scope	Est Cost \$1,000's	Bike:	Pedi:	Transit:
City of Watsonville			Total Cost	\$155,780		
Consolidated Transportation						
Countywide Specialized Transportation	CTSA-P01	Non-ADA mandated paratransit and other specialized transportation service for seniors and people with disabilities. Includes medical service rides, Elderday,out-of-county rides, Sr. Meal Site, Taxi Script, and same day rides etc. Current avg annual need \$2.58M. Constrained=\$1.4M.	\$56,700	0	0	100
Lift Line Maintenance/Operations Center	CTSA-P02	Construct a permanent maintenance center/consolidated operations facility for paratransit program (currently Lift Line).	\$15,500	0	0	100
Medical Specialized Transportation for Veterans	CTSA-P06	Non-emergency medical trnasportation for veterans	\$6,500	0	0	100
Medically Fragile Specialized Transportation	CTSA-P04	Non-emergency transportation service for medically fragile individuals. Includes operations and capital.	\$5,000	0	0	100
Non-ADA Paratransit Service Expansion	CTSA-P03	Expansion of non-ADA paratransit system to meet needs of growing elderly and disabled populations. May include pre/post natal transport to medical appointments.	\$21,700	0	0	100
Consolidated Transportation			Total Cost	\$105,400		
County Health Services Agency						
Santa Cruz County Health Service Agency - Traffic Safety Education	CO 50	Ongoing education program to decrease the risk and severity of collisions. Includes bicycle and pedestrian programs: Community Traffic Safety Coalition, South County coalition, and Ride n' Stride Bicycle/Pedestrian Education Program.	\$6,458	50	40	0
County Health Services Agency			Total Cost	\$6,458		
County of Santa Cruz						
17th Ave and Brommer St Slurry Seal	CO 65	Pavement maintenance, isolated section digout and asphalt replacement and fiberized slurry seal on entire roadway.	\$370	0	0	0
26th Ave Improvements (entire length-Portola Dr to end)	CO-P31a	Roadway and roadside improvements on various Major Collectors including sidewalks, bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$2,580	20	25	5
26th to 30th (at Lode/Quartz) Bike/Ped Connection	CO-P78	New bike/ped connection from Lode and Quartz to Moran Trail, which connects to 30th.	\$520	50	50	0
37th/38th Ave (Brommer to Eastcliff) Multimodal Circulation Improvements and Greenway	CO-P27a	Evaluate and if feasible improve vehicle and transit access on 38th Avenue from East Cliff to Brommer and develop greenway on 37th Avenue from East Cliff to Portola. Roadway improvements may include roadway and roadside improvements including sidewalks, bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals), transit turnouts, left turn pockets, and intersection improvement.	\$2,070	20	25	5

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
41st Ave Improvements Phase 2 (Hwy 1 Interchange to Soquel Dr)	CO-P26a	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,240	20	25	5
Airport Blvd Improvements (City limits to Green Valley Rd)	CO-P02	Major rehab, addition of bike lanes, transit facilities, merge lanes, intersection improvements, sidewalks, drainage, and landscaping.	\$1,240	10	35	10
Alba Rd Improvements (Empire Grade to State Hwy 9)	CO-P30b	Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$1,760	20	25	5
Amesti Road Multimodal Improvements (Green Valley to Brown Valley Rd)	CO-P03	Roadway rehab and reconstruction, left turn pockets at Green Valley Road, Pioneer Road/Varni Road. Add bike lanes, transit turnouts, sidewalks, merge lanes, landscaping, and intersection improvements.	\$6,200	25	10	10
Aptos Beach Dr Improvements (Esplande to Rio Del Mar Blvd)	CO-P27b	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$1,240	20	25	5
Aptos Village Plan Phase II Improvements	CO 64	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.	\$2,000	10	15	35
Beach Road Improvements (City limits to Pajaro Dunes)	CO-P26b	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,240	20	25	5
Bean Creek Rd Improvements (Scotts Valley City Limits to Glenwood Dr)	CO-P28a	Roadway and roadside improvements on various Minor Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$1,760	20	25	5
Bear Creek Rd Surface Seal (PM 4.75-PM 7.0)	CO 71	3-layer slurry seal and restriping to rehabilitate the roadway surface.	\$860	0	0	0
Bear Creek Road Improvements (Hwy 9 to Hwy 35)	CO-P04	Major rehab, add bike lanes, turnouts, merge lanes, and intersection improvements. Some landscaping and drainage improvements also.	\$4,750	25	10	5
Bonita Dr Improvements (entire length)	CO-P29b	Improvements of roadways and roadsides on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$1,240	20	25	5
Bonny Doon Rd Improvements (Hwy 1 to Pine Flats Rd)	CO-P43	Construction of a Class 1 bike lane facility, addition of transit stops, intersection improvements, major road rehabilitation, road maintenance, and drainage improvements.	\$8,260	50	0	2
Bowker Rd Improvements (entire length- Buena Vista Dr to Freedom Blvd)	CO-P33a	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$620	20	25	5
Branciforte Dr Improvements (City of Santa Cruz to Vine Hill Rd)	CO-P30c	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$1,760	20	25	5
Brown Valley Rd Improvements (Corralitos Rd to Redwood Rd)	CO-P26d	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,240	20	25	5

Project Title	ID	Project Description/Scope	Est Cost \$1,000's	Percentage Project Cost By Active Mode (estimate)		
				Bike:	Ped:	Transit:
Buena Vista Rd Improvements (San Andreas to Freedom Blvd)	CO-P26e	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$3,000	20	25	5
Bulb Ave Road Improvements (Garden St to Capitola City Limits)	CO-P65	Roadway and roadside improvements including curb, gutter, sidewalk, bike lanes, left turn lanes, intersection improvements and roadway rehabilitation.	\$770	20	25	5
Cabrillo College Dr Improvements (Park Ave to Twin Lakes Church)	CO-P30d	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$1,240	20	25	5
Capital improvement projects consistent with the Sustainable Santa Cruz County Plan	CO-P96	Construct associated multi-modal infrastructure improvements associated with the Sustainable Santa Cruz County Plan	\$22,000	30	30	15
Capitola Rd Ext Improvements (Capitola Rd to Soquel Ave)	CO-P31b	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,240	20	25	5
Capitola Road Slurry Seal (30th-17th Ave)	CO 72	Double fiberized slurry seal and restriping to rehabilitate the roadway surface.	\$340	0	0	0
Carol Way/Lompico Creek Bridge Replacement	CO-P49	Replace existing single span-two lane bridge construction of steel girders and long deck with new 30 ft wide single span flat sale concrete bridge. Include (2) 11 ft lanes and (2) 4 ft shoulders.	\$1,240	6	6	3
Cassery Rd Bridge Replacement	CO 73	Replace existing bridge in poor condition over a tributary of Green Valley Creek near Smith Rd intersection	\$930	0	0	0
Cassery Rd Improvements (Hwy 152 to Green Valley Rd)	CO-P26g	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$770	20	25	5
Cathedral Dr Improvements (entire length)	CO-P33b	Roadway and roadside improvements on Minor Collector. Roadwork includes major rehabilitation and maintenance of the road.	\$620	20	25	5
Center Ave/Seacliff Dr Improvements (Broadway to Aptos Beach Dr)	CO-P26h	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,240	20	25	5
Chanticleer Ave Improvements (Hwy 1 to Soquel Dr)	CO-P26i	Roadway and roadside improvements including bike lanes, sidewalks, drainage and intersection improvements.	\$1,240	20	25	5
Cliff Dr Improvements (Rio Del Mar to Railroad Crossing)	CO-P29c	Improvements of roadways and roadsides on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$620	20	25	5
Clubhouse Drive Improvements (Sumner Av to Rio Del Mar Blvd)	CO-P32a	Road rehabilitation and maintenance. Roadside improvements: left lane pockets, sidewalks, bike lanes and transit turnouts.	\$1,450	20	25	5
College Road Improvements (Hwy 152 to Lakeview Rd)	CO-P23	Major road rehab, add left turn pocket at Cutter Drive. Also add bike lanes, transit turnouts, sidewalks, landscaping. Drainage improvements, merge lanes, and intersection improvements may also be needed.	\$1,760	20	15	5
Commercial Way Improvements (Mission Dr. to Soquel Dr.)	CO-P28c	Roadway and roadside improvements on various Minor Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$620	20	25	5
Corcoran Ave Improvements (Alice St to Felt St)	CO-P27c	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$620	20	25	5

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Bike:	Ped:	Transit:
Corralitos Road Rehab and Improvements (Freedom Blvd to Hames Rd)	CO-P08	Major rehab, transit, bike, and ped facilities. May also include drainage, merge lanes, landscaping and intersection improvements.	\$620	15	10	10
County wide guardrail	CO-P97	Install guardrail on County roads	\$15,000	0	0	0
Countywide ADA Access Ramps	CO-P37	Construction of handicapped access ramps countywide.	\$1,240	0	100	0
Countywide Bike Projects	CO-P71	Bike projects based on needs identified through the Santa Cruz County Bicycle Plan and plan updates. These are in addition to projects listed individually in the RTP.	\$4,130	100	0	0
Countywide General Road Maintenance and Operations	CO-P35	Ongoing maintenance, repair, and operation of road/street system within the unincorporated areas of the county. (Need \$14M/yr. Const=\$7.4M/yr)	\$488,610	10	5	0
Countywide Sidewalks	CO-P41	Install sidewalks.	\$72,310	0	100	0
Day Valley Rd Improvements (entire length- Freedom Blvd to Valencia Rd)	CO-P31c	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,240	20	25	5
East Cliff (26th to Moran Way) Sidewalk Improvement	CO-P77	Install sidewalk from 26th south to link to Moran Way.	\$410	0	100	0
East Cliff Dr Pedestrian Pathway (7th-12th Ave)	CO-P50	Construct pedestrian pathway on East Cliff.	\$1,760	0	100	0
East Cliff Drive Cape Seal (12th-17th)	CO 66	Pavement maintenance, isolated section digout and asphalt replacement and cape seal on entire roadway.	\$230	0	0	0
East Cliff Drive Improvements (32nd Ave to Harbor)	CO-P09	Roadway rehab, add left turn pockets at 26th and 30th Ave, fill gaps in bikeways and sidewalks, add transit turnouts, intersection improvements. Some landscaping and drainage improvements.	\$4,750	20	25	10
East Zayante Rd Improvements (Lompico Rd to just before Summit Rd)	CO-P26j	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,760	20	25	5
Either Way Ln Bridge Replacement Project	CO-P88	The project will consist of completely replacing the existing narrow one lane structure and roadway approaches with a two lane clear span precast voided concrete slab bridge and standard bridge approaches.	\$2,180	0	0	0
El Dorado Ave Road Improvements (Capitola Rd to RR)	CO-P67	Roadway and roadside improvements including curb, gutter, buffered sidewalk, bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals), left turn lanes, intersection improvements and roadway rehabilitation.	\$1,810	20	25	5
El Rancho Dr Improvements (Mt. Hermon/Hwy 17 to SC city limits)	CO-P26k	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$2,380	20	25	5
Empire Grade 2-layer Seal (130' north of Heller Dr to 0.79 mi north of Heller)	CO 67B	Asphalt digout, 2-layer seal, and restriping to rehabilitate the roadway surface.	\$220	0	0	3
Empire Grade 2-Layer Seal (SC city limits to 130' N of Heller Dr)	CO 67	Pavement maintenance, isolated section digout and asphalt replacement and 2-layer seal on entire roadway.	\$340	0	0	0
Empire Grade Improvements	CO-P10	Road rehab and maintenance, left turn pocket at Felton Empire Road, add bike lanes, transit facilities, some sidewalks, landscaping. Drainage improvements, merge lanes, and intersection improvements may also be needed.	\$4,750	20	10	10

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Eureka Canyon Rd Improvements (Hames Rd to Buzzard Lagoon Rd)	CO-P26l	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$2,380	20	25	5
Felton Empire Road Improvements (entire length to State Hwy 9)	CO-P28d	Roadway and roadside improvements on various Minor Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$2,380	20	25	5
Fern Dr @ San Lorenzo River Bridge Replacement Project	CO-P90	The project will consist of completely replacing the existing three span single lane structure and roadway approaches with a new two lane clear span reinforced concrete box girder bridge and standard bridge approaches.	\$2,830	0	0	0
Forest Hill Dr @ Bear Creek Bridge Replacement Project	CO-P86	The Project will consist of completely replacing existing steel girder bridge crossing Bear Creek with a new precast concrete voided slab bridge.	\$2,050	0	0	0
Freedom Blvd Multimodal Improvements (Bonita Dr to City of Watsonville)	CO-P11	Add bike lanes, sidewalks on some segments, transit turnouts, signalization. Left turn pockets at Bowker, Day Valley, White Rd, and Corralitos Rd. Also includes merge lanes, intersection improvements, landscaping, major rehabilitation and maintenance, drainage improvements.	\$3,100	20	10	10
Freedom Blvd Pavement Preservation (Hwy 1 to Pleasant Vly Rd)	CO 74	Rehabilitate the roadway surface.	\$1,430	10	0	0
Glen Arbor Rd Improvements (State Hwy 9 to State Hwy 9)	CO-P30f	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$1,240	20	25	5
Glen Canyon Rd Improvements (Branciforte Dr to City of Scotts Valley)	CO-P26m	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$5,990	20	25	5
Glen Coolidge Drive/Hwy 9 Bike Path	CO-P40	Class 1 bike facility from Glen Coolidge Dr to Hwy 9 to provide eastern access to UCSC.	\$2,380	100	0	0
Glenwood Cutoff General Improvements (Glenwood Dr to Hwy 17)	CO-P61	Roadway and roadside improvements including bike lanes, left turn lanes, intersection improvements and roadway rehabilitation.	\$3,100	30	0	0
Glenwood Dr. Improvements (Scotts Valley city limits to State Hwy 17)	CO-P26n	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$3,000	20	25	5
Graham Hill Road Multimodal Improvements (City of SC to Hwy 9)	CO-P12	Bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes, traffic signals. Major rehabilitation and maintenance. Drainage improvements. Signal upgrade at SR9.	\$7,020	20	10	10
Granite Creek Rd Improvements (Branciforte Dr to City of Scotts Valley)	CO-P30h	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$1,760	20	25	5
Green Valley Rd 3-Layer Seal: Devon Ln to Melody Ln (0.58 mi)	CO 68	Pavement maintenance, isolated section digout and asphalt replacement and 3-layer seal on entire roadway.	\$270	0	0	0
Green Valley Rd Bridge Replacement Project	CO-P85	The project will consist of completely replacing the existing two lane structure and roadway approaches with a two lane clear span concrete slab bridge and standard bridge approaches.	\$2,110	0	0	0
Green Valley Rd Pedestrian Safety Project	CO 42b	Build 6-foot wide sidewalk with some curb and gutter on NW side of Green Valley Rd from Airport Blvd to Amesti Rd (1800 ft).	\$390	0	100	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Bike:	Ped:	Transit:
Green Valley Road Improvements	CO-P13	Add two-way left turn lanes from Mesa Verde to Pinto Lake on Green Valley Rd. Also includes some road rehab and maintenance, bike lanes, sidewalks, transit facilities, landscaping, and merge lanes.	\$4,130	20	10	5
Hames Rd Improvements (entire length-Freedom Blvd to Eureka Canyon Rd)	CO-P32b	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$3,620	20	25	5
Harkins Slough Rd. Improvements (entire length-Buena Vista Dr to State Hwy 1)	CO-P32c	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$1,760	20	25	5
Harper St Improvements (entire length-El Dorado Ave to ECM)	CO-P33d	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$1,240	20	25	5
Huntington Dr Improvements (Monroe Ave to Valencia Rd.)	CO-P32d	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$2,380	20	25	5
Hwy 152/Holohan Rd Safety Improvement Project	CO-P92	Pedestrian and bicycle safety improvements. Intersection capacity enhancements and signal modifications.	\$2,200	0	0	0
Jamison Cr Rd Improvements (entire length-Empire Grade to Hwy 236)	CO-P32e	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$620	20	25	5
La Madrona Dr Improvements (El Rancho Dr to City of Scotts Valley)	CO-P14	Bike lanes, sidewalks, transit turnouts, left turn pockets at Sims Road, Highway 17, and El Rancho Road), merge lanes, and intersection improvements. Also includes major rehabilitation, drainage and maintenance.	\$3,620	20	10	10
Lakeview Road Improvements	CO-P15	Major road rehab, add left turn pocket at College Road, intersection improvements at Carlton Rd. Also add bike lanes, new transit facilities, landscaping. Drainage improvements, merge lanes, and intersection improvements may also be needed.	\$1,240	25	5	5
Larkin Valley Rd Improvements (San Andreas Rd to Buena Vista Dr)	CO-P30i	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$620	20	25	5
Larkspur Bridge @San Lorenzo River	CO-P91	The project will consist of completely replacing the existing narrow one lane structure and roadway approaches with a two lane bridge and standard bridge approaches.	\$3,930	0	0	0
Laurel Glen Rd Improvements (Soquel-San Jose Rd to Mt. View/Rodeo Gulch Rd)	CO-P30j	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$1,240	20	25	5
Ledyard Way Improvements (entire length-Soquel Dr to Soquel Dr)	CO-P31d	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$620	20	25	5
Lockhart Gulch Improvements (Scotts Valley City limits to end)	CO-P31e	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,240	20	25	5
Lockwood Lane Improvements (Graham Hill Rd to SV limits)	CO-P24	Major road rehab, add bicycle lanes, sidewalks, some transit facilities, landscaping, and intersection improvements.	\$880	20	15	10
Lompico Rd Bridge Replacement	CO-P95	The project will consist of replacing existing steel stringer bridge with a reinforced concrete slab bridge	\$1,860	50	0	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Lompico Rd Improvements (E Zayante Rd. to end)	CO-P30k	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$620	20	25	5
Maciel Ave Improvements (Capitola Rd to Mattison Ln)	CO-P29e	Improvements of roadways and roadsides on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$1,450	20	25	5
Main St Improvements (Porter St to Cherryvale Ave)	CO-P27e	Roadway and roadside improvements on Major Collector including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$1,760	20	25	5
Manfre Rd Improvements (entire length- Larkin Valley Rd to Buena Vista Dr)	CO-P33e	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$620	20	25	5
Mar Monte Ave Improvements (San Andreas Rd to State Hwy 1)	CO-P30l	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$620	20	25	5
Mar Vista Dr Improvements (entire length- just before Seaciff Dr to Soquel Dr)	CO-P33f	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, buffered sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$300	20	25	5
Mattison Ln Improvements (Chanticleer Ave to Soquel Ave)	CO-P26p	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,450	20	25	5
McGregor Dr Improvements (Capitola city limits to Searidge Rd)	CO-P33g	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$1,240	20	25	5
Mesa Dr Improvements (Vienna Drive to Ledyard Way)	CO-P31f	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,240	20	25	5
Mill St Improvements (entire length)	CO-P27f	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$360	20	25	5
Mountain View Rd Improvements (Branciforte Dr to Rodeo Gulch Rd)	CO-P27g	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$1,240	20	25	5
Mt. Hermon Rd Pavement Preservation: Graham Hill to 1000' N of Locatelli Ln	CO 69	Pavement maintenance, isolated section digout and asphalt replacement and 3-layer seal.	\$890	0	0	0
Mt. Hermon Rd. Improvements (Lockhart Gulch to Graham Hill Rd)	CO-P26q	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$3,000	20	25	5
Murphy Crossing Improvements	CO-P39	Bikeway on Murphy Crossing (Hwy 129 to Monterey Co line), major rehabilitation and maintenance of road, drainage improvements may also be needed.	\$1,240	20	26	9
Opal Cliff Dr Improvements (41st Av to Captiola City Limits)	CO-P31g	Roadway, roadside and intersection improvements including sidewalks, bike treatments (such as buffered and/or painted bike lanes), designed to accommodate the number of users and link to East Cliff Drive.	\$1,240	20	25	5
Pajaro River Bike Path System	CO-P38	Construction of a Class 1 bike path along the levees and a Class 2 bikeway on Thurwatcher Road and Beach Road.	\$9,500	100	0	0

Project Title	ID	Project Description/Scope	Est Cost \$1,000's	Percentage Project Cost By Active Mode (estimate)		
				Bike:	Ped:	Transit:
Paul Minnie Ave. Improvements (Rodriguez St to Soquel Ave)	CO-P29f	Improvements of roadways and roadsides on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$1,240	20	25	5
Paul Sweet Road Improvements (Soquel Dr to end)	CO-P22	Major road rehab and maintenance. Also adds bike lanes, sidewalks, landscaping. Drainage improvements, merge lanes, and intersection improvements, and new transit facilities may also be needed.	\$1,240	20	15	5
Paulsen Rd Improvements (Green Valley Rd to Whiting Rd)	CO-P27h	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$1,240	20	25	5
Pine Flat Rd Improvements (Bonny Doon Rd to Empire Grade Rd)	CO-P28f	Roadway and roadside improvements on various Minor Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$2,380	20	25	5
Pinehurst Dr Improvements (entire length)	CO-P27i	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$880	20	25	5
Pioneer Rd Improvements (Amesti Rd to Green Valley Rd)	CO-P31h	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$880	20	25	5
Polo Dr Improvements (Soquel Dr to end)	CO-P29g	Improvements of roadways and roadsides on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$1,450	20	25	5
Porter St Improvements (Soquel Dr to Paper Mill Rd)	CO-P26r	Roadway and roadside improvements including buffered sidewalks and bicycle treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals) to address speed inconsistency between bicyclists and vehicles, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,240	20	25	5
Porter Street Overlay: Capitola Limits to 288' N/O Soquel Dr	CO 70	Pavement maintenance, edge grinding, isolated section digout and asphalt replacement and 2" overlay on entire roadway.	\$350	0	0	0
Portola Dr Cape Seal (E. Cliff to 24th Ave)	CO 76	Double fiberized slurry seal and restriping to rehabilitate the roadway surface.	\$240	19	0	5
Quail Hollow Rd Bridge Replacement Project	CO-P82	The project will consist of completely replacing the existing two lane structure and roadway approaches with a two lane clear span concrete bridge and standard bridge approaches.	\$2,430	0	0	0
Quail Hollow Rd Improvements (entire length- East Zayante to Glen Arbor Rd)	CO-P32f	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$830	20	25	5
Rancho Rio Ave @ Newell Creek Bridge Replacement Project	CO-P87	The project will consist of completely replacing the existing one lane structure and roadway approaches with a two lane clear span concrete slab bridge and standard bridge approaches.	\$1,730	0	0	0
Redwood Lodge Rd (Entire Length)	CO-P51	Roadway and roadside improvements including curb, gutter, sidewalk, bike lanes, left turn lanes, intersection improvements and roadway rehabilitation.	\$3,100	20	25	5
Redwood Rd Bridge Replacement Project	CO-P89	The project will consist of completely replacing the existing steel army treadway bridge crossing a tributary of Brown's Creek on Redwood Road with a reinforced concrete slab bridge and standard bridge approaches.	\$1,310	0	0	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Rio Del Mar Blvd Improvements (Esplanade to Soquel Dr)	CO-P30n	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$3,000	20	25	5
Rodeo Gulch Rd Improvements (So & North: Mt. View/Laurel Glen Rd to Hwy 1)	CO-P31i	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,760	20	25	5
Roland Dr Improvements (30th to 35th)	CO-P31j	Roadway and roadside improvements and implementation of greenway, which gives priority to bicycles and pedestrians on low volume, low speed streets including, pedestrian facilities, way finding and pavement markings, bicycle treatments to connect to new bike/ped connection to 41st.	\$880	20	25	5
San Lorenzo River Valley Trail	CO-P46	15 mile, paved multi-use path for bicyclists and pedestrians from Boulder Creek to Santa Cruz.	\$25,830	50	50	0
San Lorenzo Valley Trail: Hwy 9 - Downtown Felton Bike Lanes & Sidewalks	CO-P46a	Install sidewalks and bicycle lanes on Hwy 9 through downtown Felton.	\$2,270	30	70	0
San Lorenzo Valley Trail: Hwy 9 - North Felton Bike Lanes & Sidewalks	CO-P46b	Install sidewalk/pedestrian path on west side, shoulder widening to 5' for bicycle lanes from Felton-Empire/Graham Hill Rd to Glen Arbor Road, Ben Lomond, including frontage of SLV elementary, middle and high schools. Includes new and replacement bike/ped bridges.	\$7,640	30	70	0
San Lorenzo Way Bridge Replacement Project	CO-P83	The project will consist of completely replacing the existing one lane structure and roadway approaches with a two lane clear span bridge and standard bridge approaches.	\$3,190	0	0	0
Seacliff Dr Improvements (entire length)	CO-P27j	Roadway and roadside improvements on various Major Collectors including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$1,760	20	25	5
Seascape Blvd Improvements (Sumner Ave to San Andreas Rd)	CO-P26s	Roadway improvements and pavement rehabilitation.	\$620	20	25	5
Sims Road Improvements (Graham Hill Rd to La Madrona Dr)	CO-P17	Road rehab and maintenance, drainage, intersection improvements, landscaping, add bike, ped, and transit facilities.	\$1,760	20	10	5
Smith Grade Improvements (entire length-Empire Grade to Bonny Doon Rd)	CO-P32g	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$2,380	20	25	5
Soquel Ave Improvements (City of SC to Gross Rd)	CO-P18	Transit turnouts, two way left turn lanes from Chanticleer to Mattison, merge lanes, signalization and intersection improvements. Signals at Chanticleer and Gross Rd. Roadwork: major rehabilitation and maintenance, perhaps drainage improvements. Roadside: sidewalks, landscaping, and new transit facilities.	\$3,310	15	20	13
Soquel Dr Improvements (Soquel Ave to Freedom Blvd)	CO-P19	Major rehab, merge lanes, intersections improvements, signal coordination, transit turnouts, fill sidewalk and bike facility gaps, some landscaping.	\$7,540	10	15	10
Soquel Dr Road Improvements (Robertson St to Daubenbiss)	CO-P62	Roadway and roadside improvements including curb, gutter, sidewalk, bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals), left turn lanes, intersection improvements and roadway rehabilitation.	\$410	20	25	5
Soquel Dr Traffic Signal and Left Turn Lane (Robertson St)	CO-P58	Install left turn lane at signalized intersection from Soquel Dr to Robertson St and associated roadside improvements	\$1,000	10	0	5
Soquel-San Jose Rd Improvements (Paper Mill Rd to Summit Rd)	CO-P36	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$2,580	25	10	5

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Soquel-Wharf Rd Improvements (Robertson St to Porter St)	CO-P28g	Roadway and roadside improvements on various Minor Arterials including addition of bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals), transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$1,030	20	25	5
Spreckels Dr Improvements (Soquel Dr to Aptos Beach Dr)	CO-P27k	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$1,240	20	25	5
Spreckels Dr/Treasure Island Dr Improvements	CO-P42	Addition of bike lanes, intersection improvements, major road rehabilitation, road maintenance, and possible drainage improvements.	\$620	20	30	5
State Park Drive Improvements Phase 2	CO-P20	Transit turnouts, two way left turn, merge lanes, intersection improvements, and fill gaps in bike and ped facilities including pedestrian crossing improvements, bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike signals). Plus, major rehabilitation and maintenance, drainage improvements, landscaping.	\$1,340	10	30	10
Summit Rd Chip Seal (Soquel-San Jose Rd-Old SC Hwy)	CO 78	Asphalt Digout, Chip Seal, and restriping to rehabilitate the roadway surface.	\$530	0	0	0
Summit Rd Improvements	CO-P26u	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$5,580	20	25	5
Sumner Ave Improvements (entire length-Rio Del Mar Blvd to end [just past via Novella])	CO-P32h	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$1,450	20	25	5
Swanton Rd Bridge Replacement	CO-P94	The project will consist of replacing existing 3 span steel girder bridge with a single span concrete box girder bridge	\$2,540	50	0	0
Thompson Ave Improvements (entire length-Capitola Rd to end)	CO-P33h	Roadway and roadside improvements including major rehabilitation and maintenance of road and includes implementation of greenway, which gives priority to bicycles and pedestrians on low volume, low speed streets including, pedestrian facilities, way finding and pavement markings, bicycle treatments to connect to MBSST.	\$1,240	20	25	5
Thurber Ln Improvements (entire length)	CO-P28h	Roadway and roadside improvements on various Minor Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$1,760	20	25	5
Thurwachter Road Bike Lanes	CO-P68	Install bicycle lanes.	\$50	100	0	0
Trout Gulch Rd Improvements (Soquel Dr. to end)	CO-P30p	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$3,000	20	25	5
Upper Zayante Rd Improvements	CO-P98	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$1,500	25	20	5
Valencia Rd Improvements (Trout Gulch Rd to Valencia School Rd)	CO-P32j	Road rehab and maint. Roadside improvements--left lane pockets, sidewalks, bike lanes and transit turnouts.	\$1,760	20	25	5
Varni Rd Improvements (Corralitos Rd to Amesti Rd)	CO-P28i	Roadway and roadside improvements on various Minor Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$1,240	20	25	5

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Bike:	Ped:	Transit:
Vine Hill Rd Improvements (Branciforte/Mt. View Rd to State Hwy 17)	CO-P30q	Improvements of roadways and roadsides on various Major Arterials including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road and roadsides.	\$1,450	20	25	5
Wallace Ave Improvements (entire length-Huntington Dr to end)	CO-P33i	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$880	20	25	5
Webster St Improvements (Jose Ave to 16th St)	CO-P29h	Improvements of roadways and roadsides on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$1,240	20	25	5
Winkle Ave Improvements (entire length from Soquel Dr)	CO-P27l	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$2,380	20	25	5
County of Santa Cruz			Total Cost	\$901,090		

Ecology Action

Bike To Work/School Program	RTC 26	Countywide education, promotion, and incentive program to actively encourage bicycle commuting and biking to school. Coordinates efforts with local businesses, schools, and community organizations to promote bicycling on a regular basis. Provides referrals to community resources. Avg annual cost: \$140K/yr-includes in-kind donations and staff time.	\$3,620	100	0	0
Ecology Action Transportation Employer Membership Program	RTC 17	Community organization that promotes alternative commute choices. Work with employers, incentives for travelers to get out of SOVs including: emergency ride home, interest-free bike loans, discounted bus passes. Avg cost: \$90K/yr. Coordinates with Bike to Work program.	\$2,320	20	20	20
Monterey Bay Electric Vehicle Alliance (MBEVA)	VAR-P22	Help facilitate this broad collaboration of PEV advocates, businesses, union labor, manufacturers and public agencies to assist the adoption of PEV's in the Monterey Bay region. MBEVA's main goals are to: • Create PEV infrastructure in this region • Educate the public on the benefits of PEV's • Educate gov't agencies on ways to streamline PEV policy, permitting, and implementation and • Help train workforce for PEV related jobs.	\$410	0	0	0
Ecology Action			Total Cost	\$6,350		

SCCRTC

Bicycle Route Signage Countywide	RTC 32	Define routes, develop and install signs directing bicyclists to preferred routes to various destinations countywide.	\$520	100	0	0
Bike Parking Subsidy Program	RTC 16	Subsidies for bicycle racks and lockers for businesses, schools, government agencies, and non-profit organizations are all eligible. Recipients are responsible for installation and maintenance of the equipment. Avg annual cost: \$25K/yr.	\$550	100	0	0
County-wide Bicycle, Pedestrian and Vehicle Occupancy Counts	RTC-P50	Conduct counts to assess mode split over time and assess impact of new facilities.	\$412	0	0	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars. Est Cost \$1,000's	Percentage Project Cost By Active Mode (estimate)		
				Bike:	Ped:	Transit:
Cruz511 Traveler Information	RTC 02a	Transportation demand management including centralized traveler information system and ridematching services. Outreach, education and incentives; multimodal traveler information system; ridematching service for carpools, vanpools, and bicyclists; services and information about availability and benefits of all transportation modes, including sharing rides, transit, walking, bicycling, telecommuting, alternative work schedules, alternative fuel vehicles, and park-n-ride lots. Avg annual cost: \$250k.	\$4,250	0	0	70
Freeway Service Patrol (FSP) on Hwy 1 and Hwy 17	RTC 01	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.	\$9,430	0	0	0
MBSST - Rail and Hwy 1 Bicycle and Pedestrian Crossing at Laguna Creek Beach	RTC 27d	Design, approval of CPUC, environmental clearance, and construction of a bicycle and pedestrian crossing of the rail line and Hwy 1 to provide access between the Coastal Rail Trail at Laguna Creek Beach and the parking area on the inland side of Hwy 1.	\$2,000	0	0	0
Monterey Bay Sanctuary Scenic Trail Network (Coastal Rail Trail) - Trail Management Program	RTC 27c	Coordinate trail implementation as it traverses multiple jurisdictions to ensure uniformity; serve as Project Manager for construction of some segments; handle environmental clearance; coordinate use in respect to other requirements (closures for ag spraying, etc); solicit ongoing funding and distribute funds to implementing entities through MOUs; coordinate with community initiatives; etc.	\$1,030	50	50	0
Monterey Bay Sanctuary Scenic Trail Network - Design, Environmental Clearance, and Construction	RTC 27a	Design, environmental clearance and construction of the 32-mile rail component of the 50+ mile network of bicycle and pedestrian facilities on or near the coast, with the rail trail as the spine and additional spur trails to connect to key destinations. (Funded segments listed individually.)	\$121,000	45	45	0
Monterey Bay Sanctuary Scenic Trail Network (Coastal Rail Trail) - Maintenance	RTC 27b	Maintenance of the rail trail component of the Monterey Bay Sanctuary Scenic Trail Network - ongoing clean-up, trash/recycling removal, graffiti abatement, brush clearance, surface repairs (from drainage issues, tree root intrusion) etc.	\$9,600	50	50	0
Performance Monitoring	RTC-P51	Transportation data collection and compilation to monitor performance of transportation system to advance goals/targets. Includes travel surveys of commuters, Transportation Demand Management plan, a low-stress bicycle network plan and parking standards plan.	\$1,650	0	0	0
Planning, Programming & Monitoring (PPM) - SB45	RTC 04	Development and amendments to state and federally mandated planning and programming documents, monitoring of programmed projects. Avg annual cost: \$250k/yr.	\$5,680	0	0	0
Rail Line Management	RTC-P03	Operating expenses for rail line oversight. Avg annual cost:\$175K/yr.	\$4,090	0	0	0
Rail Line: Freight Service Upgrades	RTC-P41	Upgrade rail line to FRA Class 2 to a condition for reasonable ongoing maintenance into the future. Upgrade crossings, replace jointed rail with continuously welded rail, upgrade signals, and replace ties.	\$21,340	0	0	0
Rail Transit: Watsonville-Santa Cruz Corridor	RTC-P02	Design, construction, and operation of fixed guideway public transit between Santa Cruz and Watsonville. May be a joint project with the SCCRTC, SCMTD, and local jurisdictions. Annual op cost est: \$5-10M/yr; capital: \$31.5M-\$133M depending on service area and frequency (Total cost reflects Scenario G from 2015Rail Transit Study). Cost shown for 15 years of service during RTP period.	\$283,000	0	0	100
Real-Time Transit Info	RTC-P58	Develop and maintain distribution channel for disseminating real time transit arrival and departure information to Santa Cruz Metro users. To be developed in coordination with Santa Cruz Metro.	\$520	0	0	100

Project Title	ID	Project Description/Scope	Est Cost \$1,000's	Percentage Project Cost By Active Mode (estimate)		
				Bike:	Ped:	Transit:
Recreational Rail Infrastructure	RTC 25	Seasonal passenger rail service on Santa Cruz Branch rail line. Infrastructure needed for the service is listed here (e.g. platforms, sidings, pedestrian & disabled access, rail vehicles). Unsubsidized operations will be provided by a private operator and operating costs are therefore not included here. All costs are estimated.	\$5,340	0	0	100
RTC Bikeway Map	RTC-P49	Update, print and distribute free SC County Bikeway Map and update GIS files as needed.	\$320	100	0	0
SAFE: Call Box System Along Hwys	RTC-P01	Motorist aid system of telephone call boxes along all highways plus maintenance and upgrades. Call boxes may be used to request assistance or report incidents. Avg annual cost: \$245/yr.	\$5,390	0	0	0
Santa Cruz Branch Rail Line Improvements	RTC 03a	Infrastructure preservation for current uses and future transportation purposes.	\$570	15	15	0
SCCRTC Administration (TDA)	RTC-P07	SCCRTC as Regional Transportation Planning Agency for Santa Cruz County distributes Transportation Development Act Local Transportation Funds and State Assistance Funds for planning, transit, bicycle facilities and programs, pedestrian facilities and programs and specialized transportation in accordance with state law and the unmet transit needs process. Average annual cost: \$700K/yr.	\$15,400	0	0	0
SCCRTC Planning	RTC-P08	SCCRTC Planning Tasks. Includes public outreach, long and short range planning, interagency coordination. Avg annual cost: \$1M/yr.	\$22,000	0	0	0
School-Based Mobility/TDM Programs	RTC-P54	Student transportation programs aimed at improving health and well being, transportation safety and sustainability and that facilitate mode shift from driving alone in a motor vehicle to active and group transportation.	\$2,690	0	0	0
Shared Parking Program	RTC-P57	Develop tools to allow adjacent property owners to develop and share parking facilities.	\$150	0	0	0
Transportation Demand Management Ordinance and User Guide	RTC-P56	Develop Model TDM Ordinance and User Guide to include provisions for both residential and non-residential projects and address program and facilities improvements in return for reductions in off-street parking requirements.	\$260	0	0	0
Vanpool Incentive Program	RTC 15	Assist in start up and retention of vanpools. Includes financial incentives: new rider subsidies, driver bonuses, and empty seat subsidies. Also may include installation of wifi on vans. Avg Annual Cost: \$25k/yr.	\$670	0	0	0
SCCRTC			Total Cost	\$517,862		

SCCRTC/Caltrans

1 - Hwy 1 Corridor Investment Program	RTC 24k	Tier 1 – program level design/environmental analysis to establish a Corridor Investment Program (CIP) to reduce congestion along the 9 mile section of Highway 1 between San Andreas Rd/Larkin Valley Rd (Aptos) and Morrissey Boulevard (Santa Cruz). [Projects identified below are increments of the Highway 1 CIP.] Caltrans Project ID 05-0C730	\$0	5	5	15
2 - Hwy 1: Auxiliary Lanes from 41st Ave to Soquel Ave and Chanticleer Bike/Ped Bridge	RTC 24f	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.] Caltrans Project ID 05-0C732	\$29,960	10	15	5

Project Title	ID	Project Description/Scope	Est Cost \$1,000's	Percentage Project Cost By Active Mode (estimate)		
				Bike:	Ped:	Transit:
3 - Hwy 1: Auxiliary Lanes from Park Ave to Bay Ave/Porter St	RTC 24e	Construct auxiliary lanes and reconstruct Capitola Avenue overcrossing. [Part of Highway 1 CIP project (RTC 24k) but listed here as a standalone project.]	\$33,060	0	2	5
4 - Hwy 1: Auxiliary Lanes from State Park Dr to Park Ave	RTC 24g	Construct auxiliary lanes. [Part of Highway 1 CIP project (RTC 24k), but listed as a standalone project.]	\$42,350	0	0	5
5 - Hwy 1: Reconstruct Morrissey Blvd Interchange	RTC 24h	Reconstruct Morrissey Blvd overcrossing with enhanced pedestrian and bicycle treatments (such as buffered or painted facilities) on both sides of the overcrossing, and/or a bicycle/pedestrian overcrossing at Trevethan Ave, reconfigure ramps and local streets to accommodate the new interchange, and ramp metering.[Part of Highway 1 CIP project (RTC 24k), but listed here as standalone project.]	\$45,800	5	5	5
6 - Hwy 1: Reconstruct Soquel Avenue Interchange	RTC 24i	Reconstruct the overcrossing with enhanced pedestrian and bicycle facilities on both sides, reconfigure ramps and local streets to accommodate the new interchange, and ramp metering. [Part of Highway 1 CIP project (RTC 24k), but listed here as standalone project.]	\$67,330	5	5	5
7 - Hwy 1: Reconstruct Bay Ave/Porter St and 41st Avenue Interchange	RTC 24j	Reconstruct highway to operate as a single interchange. Includes construction of a frontage road that includes bike lanes and sidewalks connecting the Bay/Porter and 41st Ave intersections ; reconstruction of the Bay/Porter undercrossing and the 41st Avenue overcrossing with enhanced pedestrian and bicycle treatments on both sides, and reconfiguration of ramps and local streets to accommodate local traffic and ramp metering. [Part of the Highway 1 CIP project (RTC 24k), but is listed here as a standalone project.]	\$113,810	5	5	5
91 - Hwy 1: Reconstruction of 2 Railroad Crossings in Aptos.	RTC 24o	Reconstruct two railroad crossings over Highway 1 in Aptos. [Part of Highway 1 CIP project (RTC 24k), but listed as a standalone project.]	\$41,100	12.5	12.5	0
92 - Hwy 1: Auxiliary Lanes from Rio Del Mar Blvd to State Park Dr Including Bridge over Aptos Creek	RTC 24p	Construct auxiliary lanes and reconstruct bridge over Aptos Creek. [Part of Highway 1 CIP project (RTC 24k), but listed as a standalone project.]	\$66,800	0	0	5
93 - Hwy 1: Auxiliary Lanes from Freedom Blvd to Rio Del Mar Blvd	RTC 24q	Construct auxiliary lanes. [Part of Highway 1 CIP project (RTC 24k), but listed as a standalone project.]	\$16,700	0	0	5
94 - Hwy 1: Northbound Auxiliary Lane from San Andreas Rd/Larkin Valley Rd to Freedom Blvd	RTC 24r	Construct northbound auxiliary lane. [Note: This project was not included as part of Highway 1 CIP project (RTC 24k).]	\$8,800	0	0	5
95 - Hwy 1: Reconstruct Remaining Interchanges	RTC 24a	Interchange modifications not identified as separate projects (San Andreas Rd/Larkin Valley Rd, Freedom Blvd, Rio Del Mar Blvd, State Park Dr, and Park Ave) , including reconfiguration of ramps and local streets for ramp meters, enhanced pedestrian and bike treatments (such as buffered or painted facilities) in each direction and sufficient width to allow addition of HOV lanes. [Part of the Highway 1 CIP project (RTC 24k), but is listed here as a standalone project.]	\$127,200	5	5	5
96 - Hwy 1: Construction of HOV Lanes from San Andreas Rd/Larkin Valley Rd to Morrissey Blvd	RTC 24m	Construction of High Occupancy Vehicle (HOV or Carpool) Lanes on Highway 1 from San Andreas Rd/Larkin Valley Rd to Morrissey Blvd. Cost excludes auxiliary lanes, reconstruction of interchanges for ramp metering, over and under crossings, and traffic operation system (TOS) elements on the corridor. [These costs are listed separately (RTC 24 a,e,f,g,h,i,j, m,n,o,p,q,r). Could be expensed under a complete Hwy 1 HOV Lane project (RTC 24, \$603,000) but currently expensed as a standalone project.]	\$61,980	0	0	25

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Bike:	Ped:	Transit:
97 - Hwy 1: HOV Lanes from San Andreas Rd/Larkin Valley to Morrissey Blvd	RTC 24	Construct HOV or Carpool lanes on Highway 1 from San Andreas Rd/Larkin Valley Rd to Morrissey Blvd, 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: \$603,000. See stand alone projects (RTC24f,e,g,h,I,j,a,m) for cost of incremental implementation.] Caltrans Project ID 05-0C730	\$0	5	5	25
98 - Hwy 1: TSM Project from Morrissey to San Andreas Rd.	RTC 24n	Construct the TSM project alternative as described in the Tier 1 environmental study to establish a Highway 1 Corridor Investment Program. Project includes auxiliary lanes, modifications of interchanges with enhanced bike and pedestrian treatment, 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, rather than incrementally: \$249,100. Assumes RTC 24f has been completed.]	\$0	10	10	5
Hwy 1 Bicycle/Ped Overcrossing at Mar Vista	RTC 30	Construct a bicycle/pedestrian overcrossing of Hwy 1 in vicinity of Mar Vista Drive, providing improved access to Seacliff and Aptos neighborhoods and schools.	\$7,800	50	50	0
Hwy 1 Ramp Metering: Southern Sections	CT-P01	Reconfigurations of ramps and installation of ramp meters at interchanges from Hwy 129/Riverside Dr to Mar Monte Ave.	\$20,600	0	0	5
Hwy 1 Ramp Metering: Northern Sections Between San Andreas Road and Morrissey Blvd	RTC 34	Reconfiguration of ramps and local streets to allow for ramp metering and installation of ramp meters. Could be expensed under a separate stand alone project (\$6.7 M)	\$0	0	0	0
SCCRTC/Caltrans			Total Cost	\$683,290		

SCMTD

ADA Access Improvements	MTD-P51	Add or improve ADA accessibility to all bus stops and METRO facilities.	\$4,222	0	0	100
ADA Paratransit Service - Continuation of Existing Service	MTD-P10C	Operation & maintenance cost of existing Paratransit service. Avg Annual Cost: \$5.5M.	\$121,000	0	0	100
ADA Paratransit Vehicle Replacements	MTD 02	Replace buses/vans for ADA paratransit fleet (including Accessible Taxi program). Avg cost: \$65k each for 34 vans every 5 years.	\$14,040	0	0	100
ADA Service Expansion	MTD-P11	Add capacity to meet increased trip demand thru 2040. Assumes 2% increase/year starting in 2019.	\$2,500	0	0	100
Automatic Vehicle Locator and Automatic Passenger Counter Systems	MTD-P50	Automatic Vehicle Locator and Automatic Passenger Counter systems on all METRO buses. Real time bus arrival/departure displays at select stops. Necessary IT upgrades.	\$3,200	0	0	40
Bike Station at Capitola Mall	MTD-P23	Establish bike station at Capitola Mall, especially to serve UCSC. Would be joint mall, UCSC, MTD project.	\$1,030	60	0	40
Bikes on Buses Expansion	MTD-P20	Add additional space for bikes on articulated buses when/if METRO purchases or leases 60-ft articulated buses.	\$60	75	0	25
Bus on Shoulder	MTD-P57	Plan, design, seek Caltrans approvals, and construct improvements to utilize freeway shoulders to bypass congestion on Highway 1 and possibly Highway 17 to speed inter-city bus service	\$12,000	0	0	75

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Bus Rapid Transit	MTD-P15	Construct park & ride lots, transit centers and grade-separation where feasible to operate bus rapid transit to reduce congestion on Highway 1.	\$26,780	0	0	100
Bus Rebuild and Maintenance	MTD-P31	Rebuild engines; Fleet maintenance equipment.	\$5,175	0	0	100
Bus Stop and Station Improvements	MTD-P52	Improve customer access and/or amenities at bus stops; add bus stop pads to preserve pavement.	\$500	0	0	100
Commuter/Subscription Bus Program	MTD-P18	Capital and operating for subscription buses to areas not currently served by express buses (similar to large vanpool).	\$2,070	0	0	0
Customer IT amenities	MTD-P55	Upgrade Hwy 17 Wi-Fi and expand to local routes; real-time bus arrival website.	\$1,010	0	0	100
Deviated Fixed-Route Pilot Program	MTD-P43	Pilot project allowing buses to make minor route modifications to address needs of senior and disabled riders.	\$100	0	0	100
Electric Non-Fleet Vehicles	MTD-P47	Replace non-revenue vehicles to EV.	\$580	0	0	100
EV Fast Charging Stations	MTD-P48	Install 5 electric vehicle charging stations at transit centers.	\$1,030	0	0	100
Hwy 1 Express Buses	MTD-P27	Hwy 1 express bus replacements - 6 Buses @ \$500k ea. Replace every 12 years.	\$6,200	0	0	100
Hwy 17 Express Service - Continuation of Baseline Service Levels	MTD-P10B	Operation & maintenance cost of existing bus service. Avg annual cost: \$3.8M.	\$86,360	0	0	100
Hwy 17 Express Service Restoration and Expansion	MTD-P12	Restore Hwy 17 Express service to FY16 levels, then expand service 2% annually. Restore \$300K/yr operating plus 2% annually plus capital costs (2 buses)	\$10,204	0	0	100
Inter-County Paratransit Connection	MTD-P44	Establish paratransit connection location with Santa Clara County.	\$1,290	0	0	100
Local Transit - Continuation of Baseline Service Levels 2019-2040	MTD-P10	Operation & maintenance cost of existing local fixed route bus service (Based on FY17 post-service reduction (\$33.7M/year).	\$741,400	0	0	100
Local Transit Service Restoration and Expansion	MTD-P14	Restore local service to FY16 levels, then expand service 2% annually. Restore \$6.2M/yr operating plus 2% annually plus capital costs (16 buses)	\$173,160	0	0	100
Maintenance Facility Expansion	MTD-P38	Property acquisition, design, and construction of maintenance facility expansion.	\$15,850	0	0	100
Metro Bus Replacements	MTD-P04	Replace fleet at the end of normal bus lifetime (approximately every 12 years; \$675 each; \$900k each for Hwy 17 Over the Road coaches).	\$142,420	0	0	100
Metro facilities repair/upgrades	MTD-P36	Maintain and upgrade facilities.	\$6,270	0	0	100
Metro rebranding	MTD-P58	Develop marketing program and establish consistent brand with uniform signage, letterhead, ads.	\$500	0	0	100
Non-Revenue Vehicles	MTD-P32	Replace support vehicles.	\$3,450	0	0	100
Pacific Station- Bike Station	MTD-P49	Establish bike station at Pacific Station.	\$410	60	0	40
ParaCruz Mobile Data Terminals; Radios	MTD-P30	Replace mobile data terminals in vehicles	\$760	0	0	100
ParaCruz Operating Facility	MTD-P28	Design, Right-of-Way and construction for new ParaCruz Operating Facility.	\$12,400	0	0	100

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.		Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's		Bike:	Ped:	Transit:
Park and Ride Facilities	MTD-P53	Fund purchase and construction or lease of parking areas for commuter bus patrons, either surface lot or parking structure.	\$29,400		0	0	50
Replacement of Watsonville Transit Center	MTD-P56	Replacement transit center at existing or new location.	\$25,000		0	0	100
Replacement Transit Fareboxes, Ticket Vending Machines, and Fare System Enhancements	MTD 18	Upgrade GFI Farebox system to enable fare media loading, tracking, registration, interoperability via internet. Necessary IT upgrade. System Integrator to analyze and propose integrated fare media strategy. Replacement fareboxes at end of useful life. Replacement of Ticket Vending Machines at end of useful life.	\$5,550		0	0	100
Santa Cruz Metro Center/Pacific Station Renovation	MTD 13	Renovate Pacific Station or construct new transit center in alternate location.	\$25,000		0	0	100
Senior/Disabled/Low-Income Fixed-Route Transit Incentives	MTD-P42	Incentives to encourage fixed-route bus ridership. Includes existing discounts for Seniors and persons with disabilities. May include free/reduced rates for seniors during off-peak hours, free bus passes to ADA eligible persons, bus pass subsidies for low income riders transportation to employment, and other incentives to encourage use of fixed-route system.	\$17,125		0	0	100
Signal Priority/Pre-Emption for Buses	MTD-P21	Enable coach operators to actuate traffic signals to prolong green or change red lights to improve transit running time.	\$2,070		0	0	100
Small Bus Fleet	MTD-P24	Purchase smaller buses for travel through residential neighborhoods. Cost currently unknown.	\$1,700		0	0	100
Solar Panels for Souza Operations Facility	MTD-P29	Energy reduction through installation of solar panels on the new Judy K. Souza Operations Facility	\$2,000		0	0	100
South County Operations and Maintenance Facility	MTD-P54	Acquisition of property and construction of second operations and maintenance facilities to better serve South County.	\$50,000		0	0	100
Transit Mobility Training Program Expansion	MTD-P19	Expand public outreach and training to encourage fixed route, rather than Paratransit, use. Outreach may also involve other partners (ex. DMV, doctors, senior centers, etc). Avg annual cost: \$80K/yr.	\$1,240		0	0	100
Transit Security and Surveillance Systems	MTD-P33	Enhance passenger safety and facilities security. Emergency response systems.	\$1,140		0	0	100
Transit System Technology Improvements	MTD-P35	Automated Data Processing software, telephones, portable computers, servers, Customer Information Kiosks, digital ID processing equipment. Maintain and upgrade office software and hardware, bandwidth, web site, phone network, to enhance productivity, customer service and maintain functionality.	\$5,490		0	0	100
Transit Technological Improvements	MTD-P06	IT software and hardware upgrades for scheduling, customer service, planning systems. Upgrades every 5 years.	\$5,170		0	0	40
Transit/Paratransit Driver Emergency Training	MTD-P45	Provide training equipment for drivers on new mobility devices (scooters, motorized wheelchairs) plus emergency training and biohazard container and clean-up kits for vehicles.	\$260		0	0	100
Watsonville Transit Center Improvements	MTD-P46	Minor upgrades to Watsonville Transit Center.	\$1,030		0	0	100
SCMTD			Total Cost	\$1,568,146			

			Costs in 2016 dollars.	Percentage Project Cost By Active Mode (estimate)		
Project Title	ID	Project Description/Scope	Est Cost \$1,000's	Bike:	Ped:	Transit:
Seniors Council						
Senior Employment Ride Reimbursement	RTC-P43	Reimburse low income seniors for transit expenses to/from employer sites.	\$1,600	0	0	100
Seniors Council			Total Cost	\$1,600		
UCSC						
Alternative Fuel Fleet Vehicles	UC-P64	Purchase and upgrade fleet vehicles to alt. fueled vehicles (refuse trucks, street sweepers, fleet cars, etc.)	\$3,100	0	0	100
Alternative Fuel/Electric Shuttle Vehicles	UC-P22	Capital acquisition of vehicles.	\$10,330	0	0	100
Bike Shuttle Vehicle Acquisition	UC-P51	Acquire more alt fueled vehicles for bike shuttle (and possible expansion).	\$520	75	0	25
Bus Tracking and AVL Transit Programs	UC-P62	GPS bus tracking and Automatic Vehicle Locator programs inform travelling population of transit locations so they can make informed mode choices.	\$260	0	0	40
College Nine/Communications Pedestrian Bridge	UC-P39	Construct pedestrian bridge.	\$1,030	0	100	0
College Nine/Crown College Pedestrian Bridge	UC-P37	Construct pedestrian bridge.	\$1,550	0	100	0
Coolidge Overlook	UC-P42	Improve overlook for parking, benches and signage for Sanctuary.	\$620	0	0	0
Disability Van Service	UC-P75	Operate disability van service (\$240k/yr).	\$5,450	0	0	100
East Collector Transit Hub	UC-P46	New transit hub at East Collector (East Remote) lot.	\$5,170	0	0	100
Electric Vehicle Charging Stations	UC-P65	Add additional electrical infrastructure and install electric vehicle charging stations around campus.	\$310	0	0	0
Great Meadow Bike Path Safety Improvements	UC-P60	Bikeway safety and maintenance improvements; potential for separate pedestrian improvements to minimize conflicts.	\$2,000	50	30	0
Hagar/McLaughlin Intersection Improvements	UC-P10	Signal, pedestrian safety improvements(including new crosswalk) and roadway improvements.	\$520	5	10	0
Hagar/Steinhart Intersection Improvements	UC-P14	Signal, pedestrian safety improvements, transit, roadway improvements.	\$1,030	5	10	0
Hagar-Coolidge Connector Road/Hagar/East Remote Intersection Improvements	UC-P47	New roadway connector, including bicycle lanes, between Hagar Drive and Coolidge, plus Hagar/East Remote Intersection Improvements: signal, pedestrian safety improvements and roadway improvements.	\$3,100	5	5	75
Heller Drive Bicycle Lanes (Empire Grade to Porter College)	UC-P56	Add Class II bicycle lanes in downhill direction as feasible.	\$830	100	0	0
Kerr/Porter Rd Pedestrian Bridge ADA Upgrades	UC-P72	Modify bridge to improve access.	\$3,100	0	100	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Kresge/Core West Pedestrian Bridge: ADA Upgrades	UC-P57	Modify bridge to enhance ADA access.	\$3,100	0	100	0
McLaughlin Drive Bike Lanes/Pedestrian Enhancements	UC-P30	Install Class 2 bike lanes and enhance pedestrian circulation on University campus roadway.	\$2,580	100	0	0
Meyer Drive Extension/Jordan Gulch Bridges	UC-P04	Extension of Meyer Drive from existing Meyer Drive to Hagar Drive. Includes construction of two bridges, pedestrian, and bicycle facilities.	\$20,660	5	10	75
Northern Entrance	UC-P08	Construct new access road including Cave Gulch Bridge to Empire Grade and road and bicycle lanes to Northern Heller Dr. for access and fire safety.	\$10,330	5	0	0
Northern Loop Roadway	UC-P07	Construct new roadway, including bicycle lanes, on upper campus. Will be phased. Phase I: Chinquapin Extension to support Social Science 3.	\$18,590	10	10	10
Parking Management Technology Improvements	UC-P68	Updating existing parking management technologies to allow for more effective management, additional parking management at Coastal Marine Campus and 2300 Delaware site.	\$410	0	0	0
Pedestrian Directional Map/Wayfinding System	UC-P38	Develop and install signs throughout campus.	\$520	0	100	0
Porter/Performing Arts Pedestrian Bridge	UC-P36	Construct pedestrian bridge.	\$1,030	0	100	0
Science Hill/North Academic Core Pedestrian Bridge	UC-P40	Construct pedestrian bridge.	\$1,030	0	100	0
Sidewalk/Pedestrian Improvements	UC-P50	Widen sidewalks/improve ped access in areas of campus.	\$5,170	0	100	0
Solar PVs on Campus Parking Lots	UC-P71	Install new solar arrays on campus parking lots. Cost TBD.	\$6,000	0	0	0
Spring Street Bikeway	UC-P34	Construct bikeway connecting Spring Street to Hagar Ct.	\$310	100	0	0
Steinhart Way Multimodal Improvements	UC-P03	Roadway improvements for shuttles, bikes and pedestrians.	\$520	25	25	25
Transit Pullouts and Shelters Enhancements	UC-P19	Construction and installation of transit pullouts and reconstruction of shelters throughout campus.	\$1,550	0	0	100
Transit Vehicles (ongoing)	UC-P23	Ongoing capital acquisition of transit vehicles for on-campus transit and University shuttles.	\$5,170	0	0	100
Transportation-Related Stormwater Management Projects	UC-P66	Retrofitting existing transportation facilities and developing new facilities with new stormwater management techniques.	\$1,030	0	0	0
Traveller Safety Education/Information Programs	UC-P61	Bike/pedestrian safety programs; light and helmet giveaways, safety classes, distracted driver programs, bus etiquette program.	\$100	50	50	0
UCSC - Metro Station Bus Rapid Transit Improvements	UC-P48	Bus Rapid Transit Improvements between Metro Station, Bay Street Corridor, and UCSC Roadways.	\$5,170	0	0	100
UCSC Bicycle Facilities	UC-P55	Add bicycle facilities on campus roadways and paths. Lump sum of projects,including but not limited to UCSC Bicycle Plan that are not listed individually elsewhere in the RTP.	\$1,030	100	0	0
UCSC Bicycle Parking Improvements	UC-P33	Install bicycle parking facilities to serve bicycle commuters to the University.	\$520	100	0	0
UCSC Bike Loan Program	UC-P52	Develop and implement a bike loan program for UC students.	\$1,030	100	0	0

Project Title	ID	Project Description/Scope	Est Cost \$1,000's	Percentage Project Cost By Active Mode (estimate)		
				Bike:	Ped:	Transit:
UCSC Bike Showers/Storage Lockers	UC-P32	Install showers and storage facilities to serve bicycle commuters to the University.	\$620	100	0	0
UCSC Commute Counseling Program	UC-P69	Staffing program development to individually market to UCSC affiliates on more sustainable means of travel to campus.	\$3,100	0	0	0
UCSC Commuter Incentive Programs	UC-P70	Provide ongoing support and development of new programs to encourage travel to campus via sustainable modes of travel.	\$1,550	0	0	0
UCSC Lump Sum Roadway Maintenance	UC-P59	Repaving and rehabilitation of roadways on UCSC campus to maintain existing network.	\$10,330	0	0	0
UCSC Main Entrance Improvements	UC-P01	Realign roadway, transit pullout/shelter, relocate bike parking, construct pedestrian path, historic resource analysis. Work may be done in conjunction with City Roundabout project.	\$2,070	20	20	30
UCSC Parking Operations & Maintenance	UC-P73	Operate and administer the parking operations for UCSC including planning, TDM, marketing and debt service.	\$70,450	6	4	0
UCSC Pedestrian/Transit Zone	UC-P44	Pedestrian safety improvements including, colored/textured asphalt and signage at various locations on core campus roadways.	\$1,030	0	50	50
UCSC Traffic Control	UC-P58	Non-traditional traffic control/crossing guard program at key intersections on UCSC campus to improve pedestrian and vehicle safety, reduce conflicts, improve travel times.	\$2,580	0	50	0
UCSC Transit Service	UC-P74	Operate the on campus shuttle service and Night Owl (\$3.01m/year).	\$68,410	0	0	100
UCSC Vanpool Program	UC-P63	Maintain, operate and expand upon UCSC vanpool program.	\$8,680	0	0	0
West Gate Improvements	UC-P02	Improve kiosk and turnaround for redirected traffic on Heller/Empire Grade.	\$520	0	0	0
Zimride Emergency Preparedness Database	UC-P67	Creating a new database through Zimride to have emergency response evacuation of UCSC campus.	\$310	0	0	0
UCSC			Total Cost	\$294,420		

Various Agencies

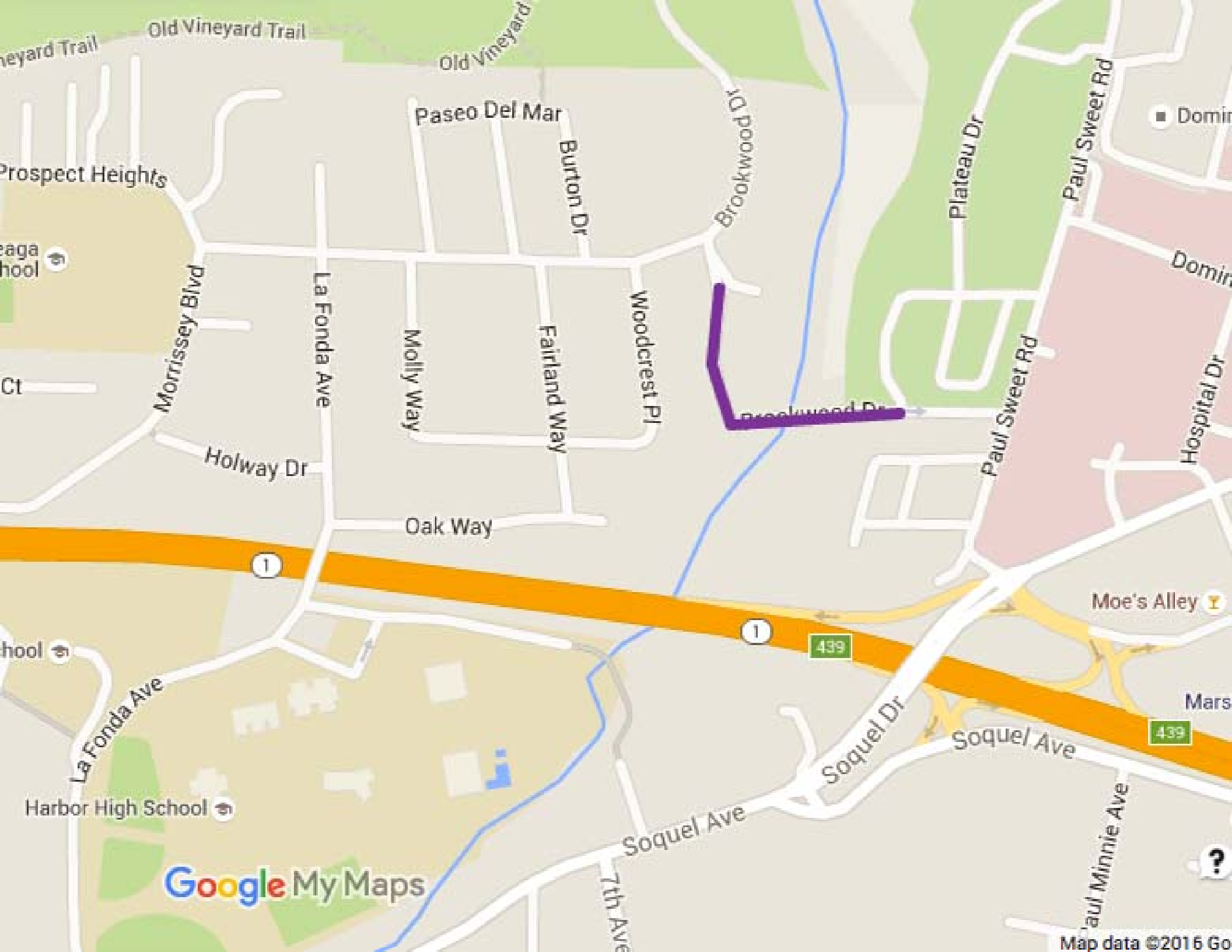
Active TransportationPlan	VAR-P39	Prepare Active Transportation Plans that address bicycle, pedestrian, safe routes to schools and complete streets facilities.	\$2,380	0	0	0
Bicycle Sharrows	VAR-P03	Install sharrows (shared roadway marking) designating areas where bicyclists should ride on streets, especially when bicycle lanes are not available. To be implemented by local jurisdictions.	\$520	100	0	0
Bicycle Treatments for intersection improvements (ADD)	VAR-P32	Add painted bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike detection and signals), at major intersections.	\$4,130	100	0	0
Bike Share	VAR-P16	Establish and maintain an urban centered bike share program allowing county residents to access loaner bikes at key locations such as downtowns, transit centers, shopping districts, and tourist destinations.	\$5,170	100	0	0
Bike-Activated Traffic Signal Program	VAR-P05	Provide traffic signal equipment to ensure that the traffic signals will detect bicycles just as cars are detected and ensure that the appropriate traffic signal phase is activated by the bicycles.	\$1,030	100	0	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Cabrillo College TDM Programs	RTC 33	Provide students and employees at all four Cabrillo College campuses with education, promotion, and incentives that support the use of sustainable transportation modes. Develop information, programs and services customized to meet the transportation needs of the Cabrillo College community. 'Provide Sustainable Transportation education, promotion, and Go Green program enrollment to Cabrillo College students and employees. Partner with Cabrillo staff and students to reduce SOV trips to the Aptos, Watsonville and Scotts Valley campuses. Provided targeted information and services to Cabrillo members.	\$1,560	0	0	0
Carsharing Program	VAR-P06	Program to assist people in sharing a vehicle for occasional use. Implementing Agency TBD, varies.	\$2,580	0	0	0
Climate Action Transportation Programs	RTC-P48	Projects that reduce greenhouse gas emissions through reducing vehicle trips and vehicle miles traveled, increasing fuel efficiency and expanding use of alternatively fueled vehicles. Includes comprehensive outreach and education campaigns, a countywide emergency ride home for those using alternatives, and TDM incentive programs: \$100k/year.	\$2,580	0	0	0
Complete Streets Area Plan	VAR-P28	Detailed complete street circulation and design plans, including consideration of greenways, for specific areas identified for intensified development in Sustainable Communities Strategy.	\$2,000	0	0	0
Complete Streets Implementation	VAR-P27	Additional projects for complete streets implementation that would fall under the Complete Streets Guidelines.	\$10,330	40	40	20
Coolidge Drive Reconstruction	VAR-P23	Reconstruction of roadway and bike lane.	\$3,100	0	0	0
Countywide Pedestrian Signal Upgrades	RTC-P26	Grant program to fund installation of audible and count-down intersection equipment to facilitate crossings by visually and mobility impaired persons.	\$2,070	0	0	100
Countywide Senior Driving Training	VAR-P24	Coordinate and enhance current programs that help maturing drivers maintain their driving skills and provides transitional info about driving alternatives. (Current programs are run by AARP and CHP.)	\$80	0	0	0
Eco-Tourism - Sustainable Transportation	VAR-P17	Provide sustainable transportation information, incentives and promotions to the estimated one million visitors to Santa Cruz County. Work with the Santa Cruz County Conference and Visitors Council, local lodgings, and tourist attractions.	\$1,030	0	0	0
Electric Bicycle Commuter Incentive Program	VAR-P44	Financial incentives, promotion and/or education to encourage residents to use electric bikes instead of commuting by car.	\$1,000	100	0	0
Environmental Mitigation Program	VAR-P38	Allocate funds to protect, preserve, and restore native habitat that construction of transportation projects listed in SCCRTC's RTP could potentially impact. EMP funds will be for uses such as, but not limited to, purchasing land prior to project development to bank for future mitigation needs, funding habitat improvements in advance of project development to leverage and enhance investments by partner agencies.	\$5,680	0	0	0
Hwy 1 Bike/Ped Bridge (Cabrillo-New Brighton)	CT-P07a	Construction of bike/ped bridge connecting New Brighton State Beach and Cabrillo College as part of larger Nisene SP to the Sea trail concept. Lead agency TBD.	\$8,260	50	50	0
Local Arterial ITS Infrastructure	VAR-P11	ITS (Intelligent Transportation Systems): advanced electronics and information technologies to increase the safety and efficiency of the surface transportation system, including vehicle detection devices along major arterials in urbanized areas to alert motorists of incidents.	\$620	0	0	0
Lump Sum Bridge Preservation	VAR-P14	Painting, Barrier Rail Replacement, Low Water Crossing, Rehab, and Replacement bridges for SHOPP and Highway Bridge Program (HBP).	\$47,450	0	0	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
			Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Lump Sum Emergency Response Local Roads	VAR-P13	Lump sum for repair of local roads damaged in emergency. (Based on average ER/FEMA/CalEMA funds, storm damage, fire, etc. Costs of repairs assumed under lump sum maintenance and operations within local jurisdiction listings.)	\$0	0	0	0
Mission St/Hwy 1 Bike/Truck Safety Campaign	VAR-P18	Partnership with road safety shareholders including Caltrans, UCSC, City of Santa Cruz, Ecology Action, trucking companies and others to improve bike/truck safety along the Mission Street corridor. Provide safety presentations, videos, brochures, safety equipment, etc.	\$520	60	25	0
Mobility Management Center	VAR-P04	Centralized one-stop-shop for information and resources on specialized transportation options. May be combined with 511 or 211 efforts. Implementing agency TBD. Est. annual cost: \$100-300k/yr.	\$7,750	0	0	75
Neighborhood Greenways	VAR-P33	Implement greenways which gives priority to bicycles and pedestrians on low volume, low speed streets including, way finding and pavement markings, bicycle treatments in areas identified for more intensified development in Sustainable Communities Strategy.	\$5,170	50	50	0
Park and Ride Lot Development	VAR-P26	Upgrade and maintain existing park and ride lots for commuters countywide. Secure additional park and ride lot spaces for motorized vehicles and bicycles. Long range plan: identify, purchase land, construct Park & Ride lots.	\$8,260	0	0	25
Planning for Transit Oriented Development for Seniors	VAR-P25	Evaluate opportunities for Transit Oriented Development serving seniors.	\$80	0	0	0
Plugin Electric Vehicle Access, Education & Promotion	VAR-P21	Target motorist looking for a cleaner vehicle by providing access, education and promotion on ever evolving plugin electric vehicles (PEV). Provide PEV car share, rental and demo drives, educational workshops, online, and hard copy information. Promote through current EA groups, partners, media and other available sources.	\$830	0	0	0
Public Transit Marketing	VAR-P20	Initiatives that increase public transit ridership including discount passes, free fare days, commuter clubs, and promotional and marketing campaigns.	\$1,550	0	0	0
Public/Private Partnership Bicycle and Pedestrian Connection Plan	VAR-P29	Develop model for assisting local jurisdictions in working with private property owners to allow bicycle and pedestrian access through private property in areas identified for more intensified development in Sustainable Communities Strategy.	\$150	50	50	0
Public/Private Partnership Transit Stops and Pull Outs Plan	VAR-P30	Develop model for assisting local jurisdictions in working with businesses to install transit pullouts and shelters on property in areas identified as high quality transit corridors in Sustainable Communities Strategy.	\$150	0	0	100
Safe Paths of Travel	VAR-P08	Regional program to construct and/or repair pedestrian facilities adjacent to high frequency use origins and destinations, particularly near transit stops.	\$3,100	0	100	0
Safe Routes to Schools Studies	VAR-P10	Studies to assess pedestrian and bicycle safety near schools.	\$210	50	50	0
Safety Plan	VAR-P36	Develop a safety plan that addresses traffic related injuries and fatalities for all modes of transportation.	\$310	0	0	0
Santa Cruz County Open Streets	VAR-P40	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)	\$2,000	0	0	0
School Complete Streets Projects	VAR-P35	Implement ped/bike programs and facilities near schools.	\$10,330	50	50	0

			Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
Project Title	ID	Project Description/Scope	Est Cost \$1,000's	(estimate)		
				Bike:	Pedi:	Transit:
School Safety Programs	VAR-P19	Bicycle and walking safety education and encouragement programs targeting K-12 schools in Santa Cruz County including Ecology Action's Safe Routes to School and Bike Smart programs. Provide classroom and on the bike safety training in an age appropriate method. Provide a variety of bicycle, walking, busing and carpooling encouragement projects ranging from bike to school events, to incentive driven tracking, and educational support activities.	\$3,820	40	60	0
TDM Individualized Employer/Multiunit Housing Program	RTC-P53	Implement individualized employer and multiunit housing TDM programs with incentives for existing development.	\$4,650	0	0	0
Transit Oriented Development Grant Program	RTC-P25	Smart growth grant program to fund TODs that encourage land use and transportation system coordination. May include joint child care/PNR/transit centers.	\$5,170	0	0	100
Transit Priority	VAR-P34	Install transit queues at major intersections.	\$5,170	0	0	100
Transit Service to San Jose Airport	VAR-P43	Provide transit service to San Jose airport from Santa Cruz. Current average annual need \$0.5M	\$11,000	0	0	100
Transportation Demand Management Plan	VAR-P37	Collaborate with other organizations to develop a coordinated plan for transportation demand management program implementation for Santa Cruz County.	\$310	0	0	0
Transportation for Caregivers of Seniors/People with Disabilities	VAR-P42	Transportation service for caregivers of seniors or people with disabilities. Including, but not limited to programs such as, volunteer rides, taxi script, ride to work program. Current avg annual need \$.5M. Constrained=\$0M.	\$11	0	0	100
Transportation for Low Income Youth	VAR-P15	Safe, reliable transportation services for foster care children to/from school. Avg annual cost: \$100k/yr.	\$2,580	0	0	100
Transportation for Low-Income Families	VAR-P41	Transportation service for low income families with children. Includes medical service rides, out-of-county rides, volunteer rides, taxi script, ride to work program, etc. Current avg annual need \$.5M. Constrained=\$0M.	\$11,000	0	0	100
Transportation System Electrification	VAR-P07	Partnership with local gov't agencies, electric vehicle manufactures, businesses, and Ecology Action to establish electric vehicle charging stations for EV's, plug-in hybrids, NEV's, as well as ebikes and escooters. Work with manufacturers on developing advanced electric vehicles and educating the public regarding the ease of use and benefits of electric vehicles.	\$51,650	0	0	0
Uncontrolled Pedestrian Crossing Improvements	VAR-P31	Implement improvements to uncontrolled pedestrian crossing such as painted and/or raised crosswalks, flashing beacons and pedestrian islands.	\$5,170	0	100	0
Various Agencies			Total Cost	\$242,511		
Volunteer Center						
Volunteer Center Transportation Program	VC-P1	Program providing specialized transportation to seniors and people with disabilities. Constrained=existing TDA allocations.	\$3,750	0	0	0
Volunteer Center			Total Cost	\$3,750		

			Costs in 2016 dollars.	Percentage Project Cost By Active Mode		
Project Title	ID	Project Description/Scope	Est Cost \$1,000's	(estimate) Bike:	Ped:	Transit:
Watsonville Airport						
Lump Sum Watsonville Municipal Airport Capital Projects	AIR-P01	Projects from the Watsonville Airport Capital Improvement Program. Includes new hangers, reconstruction of aviation apron, security features, and runway extensions.	\$20,000	0	0	0
Watsonville Municipal Airport Operations	AIR-P02	Ongoing operations/maintenance. Average \$2M/year.	\$44,000	0	0	0
Watsonville Airport			Total Cost	\$64,000		
			Funds Needed Through 2040	\$6,158,782		



Old Vineyard Trail

Old Vineyard

Paseo Del Mar

Burton Dr

Brookwood Dr

Plateau Dr

Paul Sweet Rd

Domin

Prospect Heights

aga
hool

Morrissey Blvd

La Fonda Ave

Molly Way

Fairland Way

Woodcrest Pl

Brookwood Dr

Paul Sweet Rd

Domin

Ct

Holway Dr

Oak Way

Hospital Dr

1

1

439

Moe's Alley

hool

La Fonda Ave

Harbor High School

Mars

439

Soquel Dr

Soquel Ave

Soquel Ave

7th Ave

Paul Minnie Ave

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