



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

AGENDA

Monday, February 13, 2017

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
Vacant	Vacant	District 4
Rick Hyman	Vacant	District 5
Andy Ward	Daniel Kostelec	City of Capitola
Amelia Conlen, Chair	Melissa Ott	City of Santa Cruz
Lex Rau	Gary Milburn	City of Scotts Valley
Murray Fontes	Vacant	City of Watsonville
Emily Gomez	Piet Canin	Ecology Action
Leo Jed	Jim Langley	Comm. Traffic Safety Coalition

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 December 12, 2016 Bicycle Advisory Committee meeting (pages 4 – 7)
7. Accept letter from the Bicycle Advisory Committee to the City of Santa Cruz regarding recognition of former City of Santa Cruz Public Works Director Bill Fieberling (page 8)
8. Accept letter from the Bicycle Advisory Committee to the County of Santa Cruz regarding appreciation of green bicycle lane installations (page 9)
9. Accept summary of Hazard Reports (page 10)
10. Accept announcement and solicitation of public comment on Caltrans' Draft California State Bicycle and Pedestrian Plan (pages 11 – 12)

REGULAR AGENDA

11. Caltrans Highway 9 Rail Bridge Replacement Projects – Presentation from Caltrans Project Manager Doug Hessing and Regional Planner Kelly McClendon (pages 13 – 17)
12. Sunset Inn on Mission Street: reconstruction and bike access – Presentation from Bicycle Advisory Committee's Ad-Hoc Committee members Rick Hyman and Will Menchine (pages 18 – 20)
13. Consideration of Financially Constrained Project List for the 2040 Regional Transportation Plan – Presentation from Ginger Dykaar, RTC Transportation Planner (pages 21 – 78)
14. Updates related to Committee functions
15. Adjourn

NEXT MEETING: The next Bicycle Committee meeting is scheduled for April 10, 2017 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

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

BICYCLE ADVISORY COMMITTEE

Minutes

**Monday, December 12, 2016
6:00 p.m. to 8:30 pm**

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

1. Call to Order: 6:05 pm
2. Introductions

Members Present:

Grace Voss, District 1
Kem Akol, District 1 (Alt.)
David Casterson, District 2, Vice-Chair
Will Menchine, District 3 (Alt.)
Rick Hyman, District 5
Amelia Conlen, City of Santa Cruz, Chair
Lex Rau, City of Scotts Valley
Andy Ward, City of Capitola
Murray Fontes, City of Watsonville
Piet Canin, Ecology Action/Bike to Work
Leo Jed, CTSC

Guests:

Janneke Strause, Bike Santa Cruz County
Jim Burr, City of Santa Cruz

Staff:

Cory Caletti, Sr Transportation Planner
Ginger Dykaar, Transportation Planner
Grace Blakeslee, Transportation Planner
Nestor Guevara, Transportation Planning Tech

Unexcused Absences:

Excused Absences:

Jim Cook, District 2 (Alt.)
Peter Scott, District 3
Melissa Ott, City of Santa Cruz
Gary Milburn, City of Scotts Valley (Alt.)
Daniel Kostelec, City of Capitola (Alt.)
Emily Gomez, Ecology Action/Bike-to-Work (Alt.)
Jim Langley, CTSC (Alt.)

Vacancies:

District 4 – Voting and Alternate
District 5 – Alternate
City of Watsonville – Alternate

3. Announcements –Murray Fontes is the new voting member representing the City of Watsonville; Amelia Conlen is now representing the City of Santa Cruz as the voting member; and Melissa Ott is serving as the alternate. The RTC received a report regarding options for the rail corridor that may impact rail trail design. The RTC took action to proceed with environmental review of rail transit and other options of the rail corridor.

4. Oral communications – Amelia Conlen introduced Janneke Strause, the new Executive Director of Bike Santa Cruz County, who has served as the organizations' Event Coordinator working on events like Run to the Sea and Open Streets. Janneke plans to attend future committee meetings on a regular basis. She noted that at the recent annual fundraising dinner, County Supervisor John Leopold presented a proclamation honoring Bike Santa Cruz County for 25 years of service to the community. Lifetime achievement awards were also presented to notable individuals Berry Michel, Micah Posner, Ron Goodman, Piet Canin and Cory Caletti.
5. Additions or deletions to consent and regular agendas – None

CONSENT AGENDA

A motion (Fontes/Voss) was made to approve the consent agenda. The motion passed unanimously with members Voss, Casterson, Menchine, Hyman, Conlen, Rau, Ward, Fontes, Canin and Jed voting in favor. No votes were cast in opposition.

6. Accepted final minutes of the August 8, 2016 Bicycle Advisory Committee meeting
7. Accepted summary of Hazard Reports
8. Accepted roster
9. Accepted 2017 Draft Meeting Schedule

REGULAR AGENDA

10. Unified Corridor Investment Study – Draft Goals, Performance Measure and Projects for Scenario Analysis – Ginger Dykaar and Grace Blakeslee presented a summary of the staff report to solicit input on the goals, performance measures and the projects to be analyzed in the scenario analysis. Members recommended to include bike miles traveled and to capture the difference between multi-use trails and dedicated bike trails in the performance measures. Members also suggested to include a “no project” scenario in the scenario analysis, and to consider protected bike lanes along Soquel Ave/Drive as a project to be analyzed.
11. Draft “What Pedestrians and Bicyclists Want Each Other to Know” Brochure – Cory Caletti submitted an add-on page to the staff report containing public comment. Grace Blakeslee, RTC Transportation Planner, presented the most recent version of the brochure and received feedback. Input will be considered by the Elderly and Disabled Transportation Advisory Committee's Pedestrian Safety Work Group.
12. Transportation Development Act Claim from the City of Santa Cruz – Amelia Conlen, as City of Santa Cruz staff, summarized the TDA claims under review. Vice-Chair Casterson served as chair during this item. A motion (Hyman/Ward) to recommend that the RTC approve the allocation requests passed with members Voss, Casterson, Menchine, Hyman, Conlen, Rau, Ward, Fontes, and Canin voting in favor. Leo Jed voted against the motion and requested that the record reflect the reason for his opposition being design features of the Pacific Avenue Contra Flow Bike Lane, not funding of the project itself. Members indicated overall support for the project and its benefits in light of the likelihood to reduced wrong-way and sidewalk riding on Pacific Avenue.
13. Coastal Rail Trail/Monterey Bay Sanctuary Scenic Trail Network Update – Cory Caletti summarized progress made on the north coast rail trail project. Jim Burr, City of Santa Cruz

staff, provided a summary of the materials provided in the packet related to updates on the City's rail trail project. Given discussion of costs increases, notable comments from committee members included how Measure D funding allocations to trail projects would be made in the future. Of debate should be whether cost increases of projects underway would be covered over funding of projects in areas of the county that would ensure equitable distribution of resources. RTC staff indicated that an in-depth discussion of Measure D funding prioritizations will be agendized in the near future. Murray Fontes, City of Watsonville staff, provided an update on the south county rail trail project.

14. 2017 State and Federal Legislative Programs – Rachel Moriconi provided an overview of the draft 2017 RTC state and federal legislative programs and requested feedback. Members provided input, appreciating RTC support for any efforts to increase Active Transportation Program and Monterey Bay Sanctuary Scenic Trail Network (MBSST) funding. In recognition that several state programs favor larger regions, Leo Jed suggested looking for a comparison of how funds from a range of programs (cap and trade, STIP, ATP and others) are distributed statewide.
15. 2016 Measure D Transportation Improvement Program Update (as presented at the December 8, 2016 RTC meeting) – Cory Caletti summarized the staff report outlining the vast amount of effort put into the passage of Measure D. The measure, approved by a 2/3- majority of the voters, will provide locally controlled funds to be divided according to the voter approved expenditure plan. Significant funds will be allocated to bicycle and pedestrian projects. Again, members indicated that a future discussion should take place regarding criteria by which rail trail projects would be prioritized for funding.
16. Highway 1 Mar Vista Bicycle/Pedestrian Overcrossing – Cory Caletti summarized the staff report and solicited volunteers to serve on an ad-hoc committee to be made up of project stakeholders. Ad-hoc committee members will review design features and consider operational features. A motion was made (Hyman/Jed) to appoint the following individuals to serve on the committee: David Casterson, Will Menchine, Kem Akol, Piet Canin and Bike Santa Cruz County's Janneke Strause. The motion passed unanimously with Voss, Casterson, Menchine, Hyman, Conlen, Rau, Ward, Fontes, Canin and Jed voting in favor.
17. Updates related to Committee functions – 1) Members discussed redesign of the Sunset Inn on Mission Street and the possible addition of a bicycle project at the back of the property that would connect King Street to Swift St. Such a connection would enable bicyclists to avoid travel on Mission Street. Rick Hyman and Will Menchine will serve on an ad-hoc committee and will bring an update to a future meeting, possibly February. 2) Kem Akol proposed that the Committee request that the City of Santa Cruz honor long-time Bicycle Committee member and former City of Santa Cruz Public Works Director through the naming of a significant public works structure after him. David Casterson will be the signatory on behalf of the Committee. A motion was made (Jed/Akol) to send such a request which passed unanimously with members Voss, Casterson, Menchine, Hyman, Conlen, Rau, Ward, Fontes, Canin and Jed voting in favor. 3) A letter of appreciation to County of Santa Cruz Public Works Department was suggested in recognition of the installation of Freedom Boulevard green bike lanes across Highway 1. A motion to send such a letter was made (Voss/Ward) and passed unanimously with members Voss, Casterson, Menchine, Hyman, Conlen, Rau, Ward, Fontes, Canin and Jed voting in favor. 4) Lex Rau indicated that progress was being made on Mt Hermon bicycle and vehicular improvements. Piet Canin also indicated that an Active Transportation Group was being formed for the City of Scotts Valley that will be meeting monthly. 5) Amelia Conlen updated members regarding the City of Santa Cruz Active Transportation Plan which will be coming for consideration to City of Santa Cruz Council in January or February. The plan is being

recommended for approval by the City's Planning Commission. If the plan will be brought to the February council meeting, it will be agendaized for the February Bicycle Committee so that members may consider sending a letter of support.

18. Adjourned – 8:30 p.m.

NEXT MEETING: The next Bicycle Committee meeting is scheduled for, February 13, 2017, from 6:00 pm to 8:30 pm at the RTC office, 1523 Pacific Ave, Santa Cruz, CA.

Minutes respectfully prepared and submitted by:

Cory Caletti, Senior Transportation Planner

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SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION

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

January 24, 2017

City of Santa Cruz Council Members
809 Center Street
Santa Cruz, CA 95060

RE: Recognition of former City of Santa Cruz Public Works Director Bill Fieberling

Dear Santa Cruz City Council members,

I am writing on behalf of the Regional Transportation Commission's Bicycle Advisory Committee to request that former Public Works Director Bill Fieberling be recognized by naming a significant piece of bicycle and pedestrian public structure or project in his honor. He passed away in May of 2016 after spending his entire career in public service.

After serving as the Public Works Director for the City of Roseville, Mr. Fieberling moved to Santa Cruz to become the Director of Public Works in 1962. During his time at the City, his accomplishments included expanding the Wastewater Treatment Plant to comply with the landmark Clean Water Act, the implementation of the downtown Pacific Garden Mall, expansion of city services to the new University of California, and the West Cliff Drive multi-use path. After his retirement, Mr. Fieberling continued to stay involved by serving on the Regional Transportation Commission's Bicycle Advisory Committee, where he was a tireless advocate for the Arana Gulch Trail and other bicycle projects.

In recognition of Bill Fieberling's many accomplishments for the City of Santa Cruz and cyclists in particular, the Bicycle Advisory Committee asks that he be remembered through the naming of a local bicycle and pedestrian structure or project in his honor.

The Committee thanks you for your consideration of this request. Please feel free to contact the RTC's Bicycle Program Manager and staff to the Bicycle Advisory Committee, Cory Caletti at (831) 460-3201 or by email at ccaletti@sccrtc.org, for this and any other committee related matters.

Sincerely,

David Casterson
Bicycle Advisory Committee Vice-Chair

cc: Santa Cruz County Regional Transportation Commission
Santa Cruz County Regional Transportation Commission's Bicycle Committee
City of Santa Cruz Public Works Assistant Director (CS)



SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION

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

January 25, 2017

John Presleigh, County of Santa Cruz Public Works Director
County of Santa Cruz
701 Ocean Street, Room 410
Santa Cruz, CA 95060

RE: Appreciation of green bike lane installations

Dear Mr. Presleigh and Public Works staff,

On behalf of the Regional Transportation Commission's Bicycle Advisory Committee, I am writing to appreciate the County's installation of green lane treatments at the Freedom Boulevard freeway interchange. This location has long been a challenge for cyclists due to the speed differential between people biking and drivers entering the freeway. The green lane treatments have increased the visibility of people on bikes at this interchange, and Committee members report a significant improvement in safety and comfort since their installation.

The Bicycle Advisory Committee also appreciates the upcoming installation of green lane treatments at the Soquel Drive interchange. We would welcome an update on the construction schedule for this project, and would strongly support any future installation of green lane treatments at freeway interchanges in the County. The State Park Drive interchange in particular is a priority for Committee members since it is the site where a cyclist fatality occurred.

The Committee thanks you for your commitment to encouraging bicycling and improving the comfort and safety of cyclists on County roadways. Please feel free to contact the RTC's Bicycle Program Manager and staff to the Bicycle Advisory Committee, Cory Caletti at (831) 460-3201 or by email at ccaletti@sccrtc.org, for this and any other committee related matters.

Sincerely,

Amelia Conlen
Bicycle Advisory Committee Chair

cc: Santa Cruz County Regional Transportation Commission
Santa Cruz County Regional Transportation Commission's Bicycle Committee

February 13, 2017
Hazard Report

Date	First Name	Last Name	Contact Info	Location	Cross Street	City	Category	Additional Comments	Forwarded To	Forwarded Date	Response
02/01/17	Jim	Jones	jim@aol.com	Empire Grade		Santa Cruz County	debris on shoulder or bikeway	rider states large tree across bike lane empire above arboretum	Cathy Crowe General Dept of Co of SC	02/02/17	
01/30/17	Bill	Buck	billbuck@cruzio.com	Water St		Santa Cruz	debris on shoulder or bikeway	rider states Sediment from the river flooding is on the underpasses several inches deep, ruts are forming and with pedestrians bikes can not ride through safely. It has been a week since the last rain and the pathway is still extremely dangerous!	Amelia Conlen	01/31/17	From Amelia - Our crews are out today working to clear the mud from the Water St. underpasses - 01/31/17
01/26/17	Janine	Honey	trainstripes@comcast.net	S Main St		Soquel	debris on shoulder or bikeway	rider states Large pile of broken glass (car window?) on edge of S. Main in Soquel near River St.	General Dept of Co of SC	01/27/17	
12/23/16	Matthew	Huber	mhuber@cityofsantacruz.com	Chestnut St		Santa Cruz	rough pavement or potholes, pavement cracks, plant overgrowth or interference, railroad hazard, bikeway not clearly marked, no crosswalk or striping	rider states while crossing tracks was channeled into rut at track while sliding on rail. Lost traction and bike slid out from under me. I slammed into road with left side of body. Complete report and detail hyperlink listed under "Images"	Amelia Conlen Nate Goodman	12/23/16	
12/22/16	Alex	Bell	ralexbell@gmail.com	Soquel	La Fonda	Santa Cruz	rough pavement or potholes, lighting problem, vehicles or objects blocking sidewalk	rider states The gate north of the tennis courts at Harbor High is locked blocking the bike path, which connects Soquel and La Fonda. I use this path to commute by bike from Aptos to 17 & Pasatiempo. Since the gate is locked I have to ride around the tennis courts on a poor dirt path or go the wrong way on Brookwood. Both options are dangerous.	Amelia Conlen	12/22/16	
12/18/16	Dana	Keating	danaannek@gmail.com	Prospect Heights		Santa Cruz	rough pavement or potholes	rider states large and deep pothole in the middle of lane. Impossible to see at night. Very dangerous	Amelia Conlen	12/19/16	From Amelia - This has been sent to our Streets Maintenance team - 12/19/16
12/13/16	Theresa	Rogerson	theresia.rogerson@santacruzcounty.us	Hwy 9	Glen Arbor	Santa Cruz County	traffic signal problem	rider states bicycling across the bridge on Glen Arbor Rd. to make a left turn onto Hwy 9, I came to a red light and was the first in line at the intersection. The signal seemed like it was going to give us a green but then didn't. The light turned yellow and red for cross traffic on Hwy 9 and then turned right back to green without giving us a green. I went ahead anyways quickly while the light for the cross traffic was briefly	Tom Barnett Caltrans	12/13/16	
12/12/16	Bill	Mackey	wtfmackey@gmial.com	Soquel San Jose Road		Santa Cruz County	rough pavement or potholes	rider states Bone-jarring pothole in the southbound direction of Soquel San Jose Road about two feet from the centerline of the road. North of the Seventh-Day Adventists Camp and South of Laurel Glen Road	General Dept of Co of SC	12/12/16	From Christine - I have forward your e-mail onto our Maintenance Department where they will write a service request ticket for this. If you have any other questions in regards to this issue please feel free to contact them at (831) 477-3999 - 12/12/06

From: [Mcclelland, Kelly D@DOT](mailto:Mcclelland.Kelly.D@DOT)
To: [Cory Caletti](#); [Grace Blakeslee](#); [Rachel Moriconi](#)
Subject: Draft California State Bicycle and Pedestrian Plan
Date: Wednesday, February 08, 2017 8:27:31 AM

Good morning,

FYI – feel free to share with interested partners. Thanks,
Kelly

Draft Plan

Caltrans welcomes public comment on the Draft California State Bicycle and Pedestrian Plan: *Toward an Active California*. Review the Draft Plan [here](#)!

There are two ways to provide comments to Caltrans:

- [Online Comment Tool](#)
- Meetings and Webinars

Caltrans is hosting four meetings/webinars as part of the public review. During the meetings, the project team will present the Draft Plan and answer questions and receive input on the document. Participants can attend the meetings in person or by webinar. ***Detailed telephone numbers will be provided on this page before each webinar.***

The four meetings and webinars are scheduled as follows:

NORTHERN CALIFORNIA

Tuesday, February 14
10:00am - 12:00pm

Dr. Martin Luther King Library
Room 225
150 E San Fernando Street
San Jose, CA

Webinar phone #: TBD
Webinar access code: TBD
Webinar url: <https://join.me/CABikeandPed>

SOUTHERN CALIFORNIA

Wednesday, February 15
10:00am - 12:00am

Caltrans District 12 Office
Room 104
1750 E. 4th Street
Santa Ana, CA

Webinar phone #: TBD
Webinar access code: TBD
Webinar url: <https://join.me/CABikeandPed>

CENTRAL CALIFORNIA

Monday, February 27
1:00pm - 3:00pm

Caltrans District 6 Fresno Office
Yosemite Room
2015 E. Shields, Suite A-100
Fresno, CA

Webinar phone #: TBD
Webinar access code: TBD
Webinar url: <https://join.me/CABikeandPed>

WEBINAR ONLY - STATEWIDE

Wednesday, March 1
3:00pm - 5:00pm

Webinar phone #: TBD
Webinar access code: TBD
Webinar url: <https://join.me/CABikeandPed>

Kelly McClendon, AICP
Caltrans District 5
Transportation Planning
(805) 549-3510



TO: Bicycle Advisory Committee

FROM: Cory Caletti, Senior Transportation Planner

RE: Caltrans Highway 9 Bridge Rail Replacement Projects

RECOMMENDATION

Staff recommends that the Bicycle Advisory Committee receive information regarding Caltrans' Highway 9 Bridge Rail Replacement Projects.

BACKGROUND

Caltrans is the state agency responsible for highway, bridge, and rail transportation planning, construction, and maintenance. Santa Cruz County is located in Caltrans District 5, headquartered in San Luis Obispo and covering 5 counties. The RTC coordinates with Caltrans on all issues related to their role as the owner and operator of state highways. Highway 9 is located in the northern part of Santa Cruz County and is owned and operated by Caltrans. Highway 9 is a mountainous roadway and also serves as the "Main Street" for the towns of Felton, Ben Lomond, Brookdale, and Boulder Creek and as an interregional arterial connecting Silicon Valley and Santa Cruz.

DISCUSSION

Caltrans District 5 is developing a Draft Project Initiation Document (PID) for a project to replace the bridge rail on Highway 9 bridges at San Lorenzo River and Kings Creek ([Attachment 1](#)). Both bridges have narrow shoulders, a sidewalk on one side of the roadway, and do not have bicycle lanes. Existing conditions on these roadways can be viewed in [Attachment 2](#). Caltrans intends to apply context sensitive designs solutions to the bridge rail replacements. The preliminary design alternative for the bridge rails includes enhancements to the shoulder and sidewalk. Caltrans will present the preliminary design alternative for the bridge rail replacements to the Bicycle Advisory Committee. Sketches of the preliminary design alternative are included as [Attachment 3](#). Caltrans will present the preliminary design alternative.

SUMMARY

Caltrans is the state agency responsible for highway, bridge, and rail transportation planning, construction, and maintenance. Highway 9 is owned and operated by Caltrans and serves as the "Main Street" in the San Lorenzo Valley. Caltrans has developed preliminary design alternatives for the Highway 9 bridge rail replacements at San Lorenzo River and Kings Creek.

[Attachment 1](#): Map of Project Location

[Attachment 2](#): Existing Conditions

[Attachment 3](#): Preliminary Design Alternatives

Attachment 1

Caltrans Highway 9 Bridge Replacement Projects, February 2017

Project Map



Attachment 2

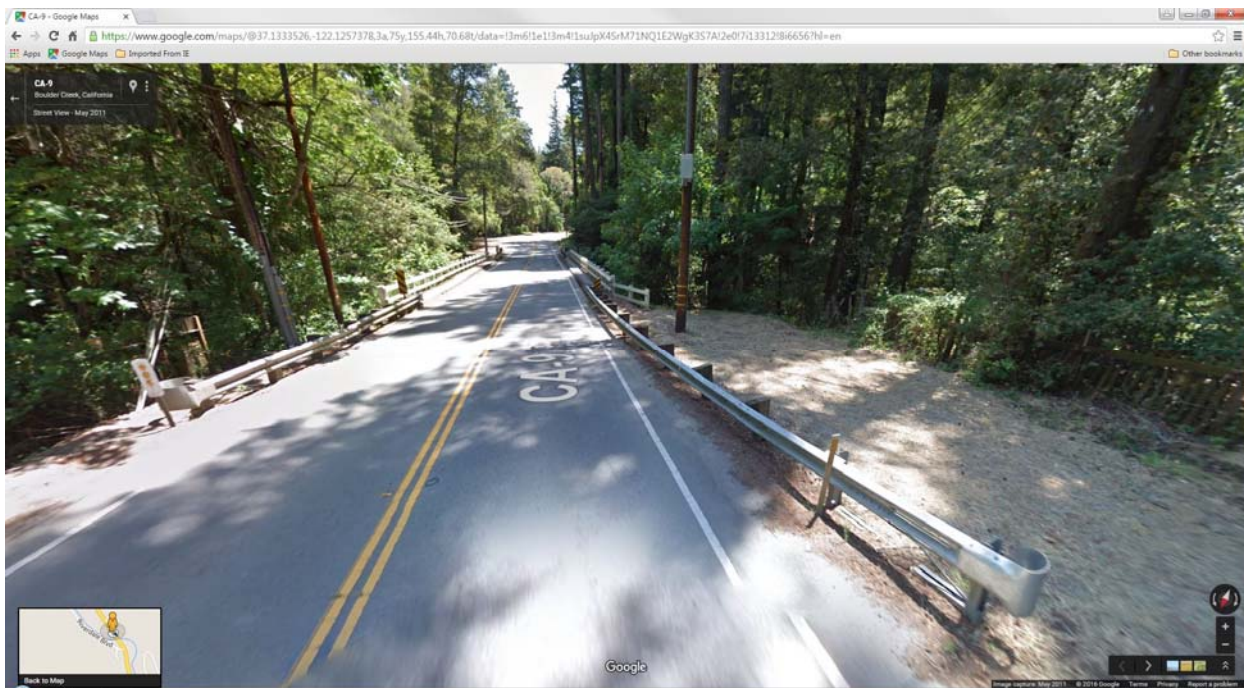
Caltrans Highway 9 Bridge Replacement Projects, February 2017

Existing Conditions

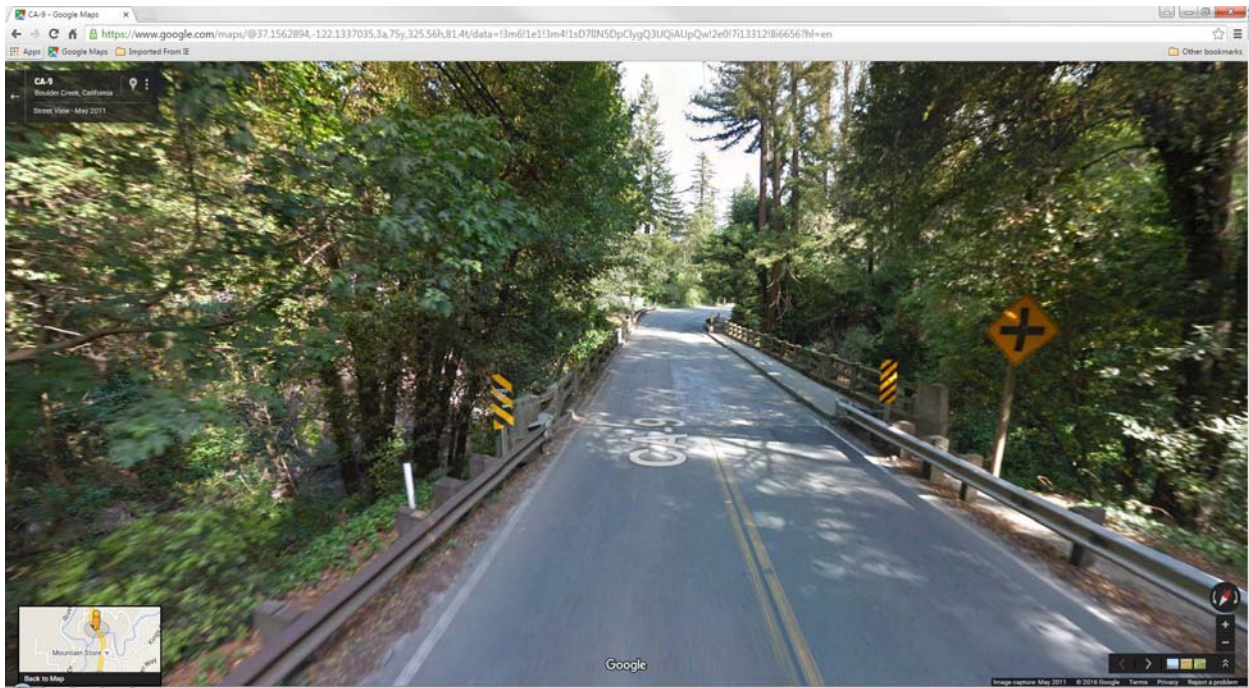
San Lorenzo River Bridge (south of bridge)



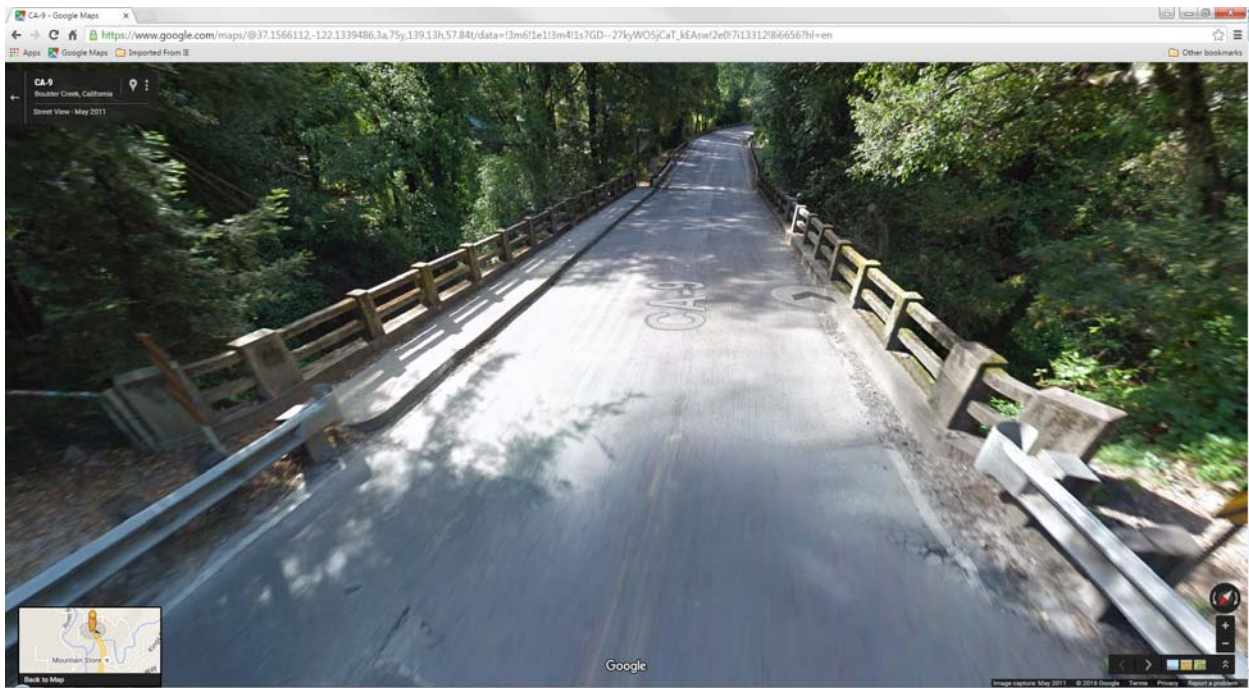
San Lorenzo River Bridge (north of bridge)



Kings Creek Bridge (south of bridge)



Kings Creek Bridge (north of bridge)



Attachment 3

Caltrans Highway 9 Bridge Replacement Projects- February 2017

Preliminary Design Alternative

Preliminary Alternative

The following images represent the preliminary alternative under consideration. The StreetMix sketches are to provide a visual description of key alternative characteristics only. Additional design and construction details will be developed in later phases.

Structure Replacement:

- **Description:** Replace structure.
- **Northbound lane width:** 12'
- **Northbound shoulder width:** 4'
- **Northbound sidewalk width:** 6'
- **Southbound lane width:** 12'
- **Southbound shoulder width:** 4'
- **Southbound sidewalk width:** 6' for San Lorenzo River Bridge, No Sidewalk on Kings Creek Bridge

San Lorenzo River Bridge



Kings Creek Bridge



Ad Hoc Subcommittee report: Mission Street

RECOMMENDATIONS:

1. Support the proposal to allow bicycle access through the parking lot behind the proposed new hotel at 2424 Mission Street to connect King and Swift Streets.
2. Request provisions in the Corridor Plan for Mission Street:
 - a. For new development that requires sidewalk reconstruction, setback the edge of the sidewalk to provide room for eventual bike lanes (e.g., 15 to 16-foot outer travel lane to allow for 11-foot travel lane and 4 to 5 foot wide bike lane);
 - b. For new development that does not require sidewalk reconstruction, setback the edge of the building a sufficient distance to accommodate an eventual road widening to provide room for bike lanes;
 - c. Adopt a Plan Line that implements these recommendations.
3. Request that the City of Santa Cruz Planning Commission and Caltrans require a setback for the new hotel and sidewalk at 2424 Mission Street as above.
4. Request that the Active Transportation Plan provide for:
 - a. bike lanes along Mission Street/Highway One from King Street (western intersection) to the City limits;
 - b. future bike lanes, sharrows or other bike-friendly treatments along Mission Street/Highway One between its eastern and western intersections with King Street.
5. Request Caltrans' support for these recommendations pursuant to their *Main Street, California A Guide for Improving Community and Transportation Vitality*.

BACKGROUND:

Permit Request: The City of Santa Cruz is considering a permit request to totally demolish and rebuild the Sunset Inn, which takes up the entire north side of the block of Highway 1/Mission Street between Swift and King Streets (2424 Mission Street). The applicant is proposing to allow bicycle access through the rear parking lot, which provides a connection between those two streets without using Mission Street. The applicant is also proposing to enhance the Mission Street streetscape. This requires approval of Caltrans for use of its right of way. A bike lane is not proposed.

Mission Street westbound is three lanes at this location: the lane for turning left onto Swift Street is about 10 ft. wide, the inner travel lane is about 10 ½ ft. wide, the curb lane is about 13 ft. wide. Continuing westbound beyond Swift Street is a very wide shoulder.

Corridor and Active Transportation Plans: The Santa Cruz City Council will soon be asked to adopt the Active Transportation Plan. The November 2016 Draft identifies King Street bike lanes as high priority, "particularly important as an alternative to Mission Street." No explicit bike improvements for bikes are proposed for Mission Street although there are some pedestrian and intersection projects listed.

The City of Santa Cruz is also preparing plan lines for Mission Street as part of its Corridor Plan. Plan lines show the expected ultimate width of the city's right-of-way. As part of approving new developments, property owners are required to dedicate any of their land that would fall within the future right-of-way.

Mission Street has four lanes, two in each direction, between its two intersections with King Street. In 2008 “Bikes in Lane” signs were installed. There are no bike lanes. The curb lane width is generally about 12 feet, but varies somewhat up to about 14 feet abutting some newer developments. Generally, the right-of-way is 55 to 65 wide. The draft corridor plan line is proposed at 72 feet, which is wide enough to accommodate four 11 -12 foot travel lanes, two 4 -5 foot bike lanes, and 7 to 9 foot wide sidewalks.

DISCUSSION:

The current permit request and planning processes offer an opportunity to plan for a long-term strategy for Mission Street. In 1986 the City Council rejected bike lanes on Mission Street when widening was planned (west of Union St/the eastern intersection of King Street); instead favoring bike lanes on King Street (which have yet to be installed). Although Mission Street is a high traffic street with heavy truck use and, hence, not ideal to ride on, especially for young or other inexperienced riders, improvements for bikes should be considered for many reasons:

- Cycling is legal on Mission Street.
- Many new developments along Mission Street, such as the proposed hotel and the recent Medical Clinic, involve reconstructing the sidewalks and infrastructure, thus presenting opportunities to widen the street.
- Any added width is beneficial to cyclists who now use Mission Street and get passed by motor vehicles with little clearance whether or not official bike lanes are installed.
- Any added width provides future opportunities to install bike lanes or other road treatments that give cyclists more space and calm traffic.
- Now is the opportunity to consider the future, as the Corridor Plan with plan lines is a long-term planning document.
- Along most of the corridor, the right-of-way is wide enough to accommodate bike lanes.
- While traffic is heavy on Mission Street, there are similar volumes on parts of Ocean Street and Soquel Avenue which have bike lanes. All of the other city arterials have or are planned to have bike lanes.
- Since Mission Street is planned to evolve into a more pedestrian friendly environment as new businesses are designed, providing for better bike access would complement this objective.
- Bicyclists need to ride on Mission Street, even if for short distances, to patronize its businesses, including three bike shops.
- Forthcoming crash avoidance technology will make it safer to ride a bike on roads with traffic like Mission Street.
- The City Council first promised King Street bike lanes as an alternative to Mission Street in 1986, yet they never happened.
- King Street can be an alternative route for some bike travel, but it is not as direct as Mission Street.
- There are times when traffic on Mission Street is light.
- The speed limit on Mission Street is 25 MPH.
- Complete streets -- which requires incorporation of multimodal principles into the physical configuration of roadways -- is now the law.

- Caltrans', *Main Street, California A Guide for Improving Community and Transportation Vitality*, 2013 has strategies for state highways through urban areas (like Mission Street) to be bicycle-friendly. http://www.dot.ca.gov/hq/LandArch/mainstreet/main_street_3rd_edition.pdf

Additionally, with regard to redeveloping the Sunset Inn, the *Mission Street Urban Design Plan* (pp. 53; 72) calls for a bike lane there -- from King Street (western intersection) to the City limits. Although the cut-through behind the hotel would be beneficial to those riding on King Street, the bike lane on Mission Street would serve through riders on Mission Street. This entire block is planned for reconstruction, so this is an opportunity to add room for a bike lane without later disruption. The land in question is already in the Caltrans right-of-way.

AGENDA: February 13, 2017

TO: Bicycle Advisory Committee

FROM: Ginger Dykaar, Transportation Planner

RE: Financially Constrained Project List for 2040 Transportation Plans

RECOMMENDATIONS

Staff recommends that the Bicycle Advisory Committee receive information and provide input on the constrained project list for the 2040 Santa Cruz County Regional Transportation Plan (RTP) ([Attachment 1](#)).

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) - Sustainable Communities Strategy (SCS) for the Monterey Bay region (Santa Cruz, Monterey and San Benito counties). The RTP is the state-mandated long range, 20+ year transportation plan and the MTP-SCS is the federally-mandated long range transportation plan. The Sustainable Communities Strategy (SCS) is required by Senate Bill 375 to show how per capita vehicle miles traveled and associated greenhouse gas emissions will be reduced. Projects are required to be included in an RTP and/or MTP-SCS to receive certain transportation funds. The last updates of the RTP and MTP-SCS were completed in 2014. The 2040 plans are minor updates and are scheduled to be approved in June 2018.

The RTP and MTP-SCS 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).

The Policy Element for the 2040 RTP was approved by the RTC in March, 2016 ([Attachment 2](#)). The Action Element component of the RTP includes a list of transportation needs through 2040. The Action Element includes projects and programs needed to operate, maintain and improve the transportation system in Santa Cruz County. For example:

- Highway, local road, bicycle, pedestrian, transit, goods movement, transportation demand management and transportation system management projects and programs;
- Operations and maintenance of existing transportation facilities – such as bridges, pavement, sidewalks and public buses;
- Projects local agencies identified through their own planning processes;
- Projects identified by members of the RTC advisory committees, public and public interest groups;
- Projects resulting from a Complete Street Needs Assessment.

The complete list of transportation needs for Santa Cruz County was approved by the RTC in August, 2016. The complete cost of transportation needs in Santa Cruz County is estimated to be approximately \$6.2 billion over the 22 year timeframe of the 2040 RTP. The financial revenues for transportation in Santa Cruz County for the 22 year timeframe have been estimated to be approximately \$3.1 billion from local, state and federal sources, including Measure D funds.

DISCUSSION

Given the significant gap between the cost to operate, maintain, and improve the transportation system in Santa Cruz County through 2040 (\$6.2 billion) and projected revenues (\$3.1 billion over that same timeframe), the project list for the RTP must now be divided into a “constrained” list (projects that could be implemented with foreseeable revenues through 2040) and “unconstrained” list (projects that could be funded if new revenues, above and beyond projections, are generated).

The project list undergoes various levels of review and analysis. These reviews include:

1. Evaluation of how well projects will advance the goals of the 2040 RTP;
2. 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.

Ultimately, the constrained project list should reflect the priority projects that will most help the region advance the RTP goals and performance measures. RTC staff, in working with project sponsors, has developed recommendations for which projects should be included in the financially constrained project list ([Attachment 1](#)). Additional input will be sought from the public, RTC Advisory Committees, and

the RTC. The mix of transportation projects proposed for the final constrained list strives to advance the majority of the targets through the 2040 timeframe with emphasis on maintenance and improving options for alternative means of transportation.

Staff recommends that the Bicycle Advisory Committee provide input on the “constrained” project list that identifies projects that could be funded with projected revenues through 2040 for the 2040 Santa Cruz County Regional Transportation Plan and to be included in the 2040 Metropolitan Transportation Plan - Sustainable Communities Strategy (Attachment 1).

NEXT STEPS

- April 2017 – RTC staff will bring the preliminary draft constrained project list to the RTC for approval
- June 2017 - AMBAG staff will bring the constrained project list to their board for approval which will determine the transportation projects that will undergo program-level environmental review for the RTP and MTP-SCS.
- February 2018 - The draft RTP, MTP and EIR released for public review.
- June 2018 - Final RTP scheduled to be approved by the RTC and MTP-SCS approved by AMBAG.

SUMMARY

RTC staff is in the process of developing the constrained project list for the 2040 Santa Cruz County Regional Transportation Plan. This project list will also be included in the tri-county AMBAG region 2040 Metropolitan Transportation Plan – Sustainable Communities Strategy. Staff recommends that the Bicycle Committee provide input on the constrained project list for the 2040 plans.

Attachments:

1. Preliminary Draft Constrained Project List for the 2040 Regional Transportation Plan (RTP) and 2040 Metropolitan Transportation Plan – Sustainable Communities Strategy.
2. Goals, Policies and Targets for the 2040 Santa Cruz County Regional Transportation Plan

Preliminary Draft 2040 Regional Transportation Plan (RTP) Project List

Constrained and Unconstrained Projects - Not Escalated

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

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

"Constrained" represents amount of project cost that could be funded with revenues anticipated through 2040.

While some projects have secured funding, this amount does not typically represent committed funds. "Unconstrained" represents amount of project cost that would need additional funding in order to be implemented.

Project Title	ID	Project Description/Scope	Est Cost \$1,000's	Costs in 2016 dollars.		Percentage Project Cost By Active Mode (estimate)		
				Constrained	Unconstrained	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	\$124,000	\$289,915	0	0	0
Hwy 17 Access Management - Long-term Grade Separation Concepts	CT-P51	New structure(s) providing grade-separation to facilitate crossing and turnaround.	\$100,000	\$0	\$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	\$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	\$50,000	0	0	0
Hwy 17 Wildlife Habitat Connectivity	CT-P48	Wildlife Crossing	\$9,198	\$9,198	\$0	0	0	0
Measure D Hwy 9 Corridor Projects	CT-P09e	Corridor study is underway to identify need for shoulder widening, turnouts for buses, bicycle and pedestrian improvements, and turn lanes at spot locations in SLV. Capital Cost Est. TBD.	\$10,000	\$7,349	\$2,651	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).	\$8,600	\$2,580	\$6,020	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	\$136,000	\$319,803	0	0	0
Caltrans			Total Cost	\$1,067,516	\$279,127	\$788,389		

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Unconstrained	Bike:	Ped:	Transit:
CHP - California Highway Patrol								
Hwy 129 Safety Program	CHP-P03	Additional CHP enforcement and public education campaign on Highway 129.	\$500	\$0	\$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	\$2,200	\$0	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	0	0
CHP - California Highway Patrol			Total Cost	\$2,700	\$2,200	\$500		

City of Capitola

40th Ave (at Deanes Ln)Bike/Ped connection	CAP-P46	40th Avenue N/S bike/pedestrian connection at Deanes Lane.	\$10	\$10	\$0	50	50	0
40th Ave/Clares St Intersection Improvements	CAP-P38	Widen intersection and signalize.	\$1,550	\$1,050	\$500	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.	\$20	\$20	\$0	0	100	0
41st Ave/Capitola Road Intersection Improvements	CAP-P37	Widen intersection and reconfigure signal phasing.	\$520	\$520	\$0	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.	\$20	\$20	\$0	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	\$100	\$0	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.	\$10,330	\$0	\$10,330	10	10	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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.	\$410	\$210	\$200	10	40	0
Bay Avenue/Capitola Avenue Intersection Modifications/Roundabout	CAP 16	Multimodal improvements to intersection. Roundabout.	\$1,000	\$1,000	\$0	5	5	0
Bay Avenue/Hill Street Intersection	CAP-P07	Intersection improvements to improve traffic flow. Roundabout.	\$210	\$210	\$0	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.	\$310	\$310	\$0	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.	\$20	\$20	\$0	40	30	0
Capitola Intra-City Rail Trolley	CAP-P18	Construct & Operate Weekend Rail Trolley Service. Project includes installation of 3 stations.	\$14,460	\$0	\$14,460	0	0	100
Capitola Jitney Transit Service	CAP-P15	Purchase and operate local transit service.	\$1,030	\$0	\$1,030	0	0	100
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	\$50	\$0	100	0	0
Capitola Rd & 45th Avenue I/S Improvements	CAP-P53	Signalization or other LOS improvements	\$250	\$250	\$0	10	5	5
Capitola Village Enhancements: Capitola Ave	CAP-P34	Multimodal enhancements along Capitola Avenue.	\$1,030	\$1,030	\$0	25	40	10
Capitola Village Multimodal Enhancements - Phase 2/3	CAP-P04b	Multimodal enhancements in Capitola Village along Stockton Ave, Esplanade, San Jose Ave, & Monterey Av. Includes sidewalks, bike lanes, bike lockers, landscaping, improve transit facilities, parking, pavement rehab and drainage.	\$3,100	\$3,100	\$0	20	50	10
Capitola-wide HOV priority	CAP-P50	Evaluate HOV priority at signals and HOV queue bypass.	\$40	\$40	\$0	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.	\$1,030	\$400	\$630	100	0	0
Citywide General Maintenance and Operations	CAP-P06	Ongoing maintenance, repair, and operation of road/street system within the City limits. (Const=\$1600K/yr; Unconst=\$400K/yr).	\$44,000	\$35,200	\$8,800	5	5	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
Citywide Sidewalk Program	CAP-P51	Install sidewalks to fill gaps. Annual Cost \$50k/yr.	\$1,030	\$520	\$510	0	100	0
Citywide Traffic Calming	CAP-P17	Install traffic calming/neighborhood livability improvements.	\$1,450	\$1,450	\$0	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.	\$100	\$100	\$0	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.	\$10	\$10	\$0	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.	\$520	\$250	\$270	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.	\$750	\$750	\$0	20	15	5
Cliff Drive Improvements	CAP-P05	Installation of sidewalks, pedestrian crossing and slope stabilization of embankment including seawall.	\$1,550	\$1,550	\$0	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.	\$20	\$20	\$0	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	\$0	\$0	10	0	0
MBSST (Coastal Rail Trail) - Segment 10 north	TRL 10CPa	Rail Trail Design, Environmental Clearance and Construction between 41st Ave and 47th Avenue in Capitola (cost is included under the MBSST project RTC 27a)	\$0	\$0	\$0	50	50	0
MBSST (Coastal Rail Trail) - Segment 10 south	TRL 10CPb	Rail Trail Design, Environmental Clearance and Construction between 47th Avenue and Cliff Dr in Capitola (cost is included under the MBSST project RTC 27a)	\$0	\$0	\$0	50	50	0
MBSST (Coastal Rail Trail) - Segment 11 north	TRL 11CPb	Rail Trail Design, Environmental Clearance and Construction between Cliff Dr and Monterey Ave in Capitola (cost is included under the MBSST project RTC 27a)	\$0	\$0	\$0	50	50	0
MBSST (Coastal Rail Trail) - Segment 11 south	TRL 11CPa	Rail Trail Design, Environmental Clearance and Construction between Monterey Ave to eastern city limit in Capitola (cost is included under the MBSST project RTC 27a)	\$0	\$0	\$0	50	50	0
Monterey Avenue and Park Avenue I/S Improvements	CAP-P56	Signalization or other LOS improvements	\$400	\$400	\$0	10	5	10

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
Monterey Avenue at Depot Hill	CAP-P28	Improve vehicle ingress and egress to Depot Hill along Escalona Ave and improve pedestrian facilities.	\$260	\$260	\$0	0	50	0
Monterey Avenue Multimodal Improvements	CAP-P12	Installation of sidewalks and bike lanes in area near school and parks.	\$360	\$360	\$0	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.	\$650	\$650	\$0	0	95	5
Park Avenue/Kennedy Drive Improvements	CAP-P09	Construct intersection improvements, especially for bikes/peds. May include traffic signal.	\$360	\$360	\$0	0	0	0
Porter Street and Highway 1 I/S Improvements	CAP-P55	Add additional dedicated right turn lane on Porter St to northbound on ramp	\$250	\$250	\$0	10	10	0
Stockton Ave Bridge Rehab	CAP-P07p	Replace bridge with wider facility that includes standard bike lanes and sidewalks.	\$3,000	\$1,500	\$1,500	10	15	0
Stockton Avenue and Capitola Avenue I/S Improvements	CAP-P57	Signalization or other LOS improvements	\$200	\$200	\$0	25	25	10
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.	\$1,340	\$1,340	\$0	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.	\$310	\$310	\$0	0	100	0
Wharf Road and Stockton Avenue I/S Improvements	CAP-P54	Signalization or other LOS improvements	\$350	\$350	\$0	10	5	10
Wheelchair Access Ramps	CAP-P27	Install wheelchair access/curb cut ramps on sidewalks citywide.	\$200	\$200	\$0	0	100	0
City of Capitola			\$92,600	\$54,370	\$38,230			

City of Santa Cruz

Almar Ave Sidewalks	SC-P126	Fill gaps in sidewalks and access ramps to improve pedestrian safety.	\$200	\$200	\$0	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.	\$500	\$0	\$500	50	50	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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.	\$5,100	\$970	\$4,130	10	10	10
Bay/California Traffic Signals	SC-P96	Install traffic signals for safety and capacity improvements.	\$520	\$0	\$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.	\$3,500	\$3,500	\$0	20	20	20
Beach/Cliff Intersection Signalization	SC-P93	Signalize intersection for pedestrian and train safety.	\$210	\$210	\$0	20	0	0
Branciforte Creek Bike/Ped Crossing	SC 46	Install a multiuse bicycle/pedestrian bridge over Branciforte Creek and connecting paths to the existing levee paths near San Lorenzo Park and Soquel Avenue.	\$2,830	\$2,830	\$0	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	\$0	\$3,410	50	50	0
Brookwood Drive Bike and Pedestrian Path	SC-P21	Provide 2-way bicycle and pedestrian travel.	\$1,030	\$0	\$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	\$570	\$0	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.	\$100	\$100	\$0	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	\$77,000	\$86,630	20	20	20
Citywide Safe Routes to School Projects - ATP	SC-P125	Projects to improve pedestrian and bicycle safety near schools.	\$8,204	\$1,404	\$6,800	50	50	0
Citywide Street Sweeping	SC-P128	Ongoing street sweeping, funded from City Refuse Enterprise Fund.	\$19,800	\$19,800	\$0	0	0	0
Delaware Avenue Complete Streets	SC-P23	Fill gaps in bicycle lanes, sidewalks and sidewalk access ramps.	\$150	\$150	\$0	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	\$100	\$0	10	10	10

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$4,130	0	0	0
Hwy 1 Sound Wall	SC-P03	Install sound wall on Hwy 1: River to Chestnut.	\$520	\$0	\$520	0	0	0
Hwy 1/9 Intersection Modifications	SC 25	Intersection modifications including new turn lanes, bike lanes, shoulders, lighting, sidewalks and access ramps. 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)	\$7,850	\$7,850	\$0	5	5	10
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	\$4,650	\$0	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	\$16,320	\$0	0	0	5
Hwy 1/Shaffer Rd Signalization	SC-P92	Signalization of intersection of Hwy 1 and Shaffer Rd. Project may includes some widening of Hwy 1 to accommodate a left turn lane.	\$520	\$0	\$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	\$2,070	\$0	100	0	0
King/Laurel Intersection Modification	SC-P114	Modify unsignalized intersection to add eastbound right turn lane.	\$100	\$0	\$100	10	0	0
Laurent/High Intersection Improvements	SC-P97	Install Traffic Signal.	\$410	\$0	\$410	10	10	10
Lump Sum Bike Projects	SC-P75	Bike projects based on needs identified through the Active Transportation Plan and Santa Cruz City Schools Complete Streets Master Plan. These are in addition to projects listed individually in the RTP.	\$6,800	\$0	\$6,800	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	\$1,030	\$0	50	50	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
MBSST (Coastal Rail Trail): Segment 7 (Natural Bridges to Pacific Ave)	TRL 07SC	2.1 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).	\$7,400	\$7,400	\$0	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).	\$41,800	\$41,800	\$0	0	0	0
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	\$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.	\$500	\$0	\$500	0	0	10
Morrissey Blvd. Bike Path over Hwy 1	SC-P29	Install a Class 1 bicycle and pedestrian facility on freeway overpass.	\$300	\$300	\$0	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	\$0	\$2,070	5	5	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	\$11,440	\$0	5	15	5
Murray St to Harbor Path Connection	SC-P30	Install a Class 1 bicycle/pedestrian facility.	\$210	\$210	\$0	50	50	0
Neighborhood Traffic Management Improvements	SC-P73	Install traffic control devices and roadway design features to manage neighborhood traffic.	\$2,580	\$0	\$2,580	0	0	0
North Branciforte/Water Intersection Modification	SC-P115	Modify traffic signal and add additional lanes per traffic study. Include signal interconnect if applicable.	\$2,070	\$0	\$2,070	5	5	10
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	\$0	\$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	\$1,030	\$0	10	20	10

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$2,000	\$2,130	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	\$0	\$6,200	10	10	10
Ocean Street 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	\$410	0	0	100
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	\$0	\$5,170	10	10	10
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	\$0	\$150	50	50	0
Pacific Avenue Sidewalk (Front-Wharf)	SC-P127	Construct new sidewalk and crossing on Pacific Avenue between Second and Front Streets, including installation of a new accessible crossing at Front and Pacific.	\$318	\$318	\$0	0	100	0
River (Rte 9)/Fern Intersection Modification	SC-P110	Install traffic signal, sidewalk and new access ramps. Provide bike lanes on Fern.	\$520	\$0	\$520	10	10	10
River St/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	\$0	\$520	10	10	10
Riverside Ave/Second St Intersection Modification.	SC-P13	Modify intersection to reduce congestion and improve pedestrian crossing.	\$175	\$175	\$0	20	20	10
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	\$2,070	\$0	50	50	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$2,070	\$0	100	0	0
Seabright/Murray Traffic Signal Modifications	SC-P100	Remove split phasing on Seabright and add right-turn lane northbound.	\$1,030	\$1,030	\$0	10	10	10
Seabright/Water Intersection Improvements	SC-P99	Modify unsignalized intersection to add northbound right and extend left-turn pocket.	\$100	\$0	\$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.	\$1,000	\$1,000	\$0	10	10	0
Sidewalk Program	SC-P09	Install and maintain sidewalks and access ramps.	\$20,660	\$5,500	\$15,160	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	\$310	\$0	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 existing bike lanes. Replacing the split phasing with protected left-turns at Branciforte to reduce delays for all modes of travel and GHG.	\$2,320	\$0	\$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	\$410	\$0	100	0	0
Soquel/Water (Branciforte to Morrissey) Crosswalks	SC-P119	Evaluate and if found necessary implement additional crosswalks on Soquel/Water with consideration for safety, and update crosswalks to more visible pattern (block).	\$300	\$150	\$150	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	\$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.	\$500	\$500	\$0	10	10	10
Water Street Pavement Rehabilitation(N. Branciforte Ave- Ocean St)	SC 49	Pavement rehabilitation of Water Street between North Branciforte Avenue and Ocean Street. Grant Condition: Add bicycle and pedestrian treatments at intersections, especially at Branciforte to reduce conflicts between motorized and non-motorized users.	\$1,453	\$1,453	\$0	5	5	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
West Cliff Path Minor Widening (David Way Lighthouse to Swanton)	SC 23	Improve existing path.	\$520	\$520	\$0	50	50	0
West Cliff/Bay Street Modifications	SC-P83	Signalization at all-way stop controlled intersections.	\$500	\$500	\$0	10	10	10
City of Santa Cruz			\$376,240	\$218,940	\$157,300			

City of Scotts Valley

Bean Creek Rd Sidewalks (SVMS to Blue Bonnet)	SV-P35	Fill gaps in sidewalks on Bean Creek Rd.	\$410	\$410	\$0	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	\$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	\$0	\$230	100	0	0
Bluebonnet Lane Bike Lanes	SV-P32	Add bike lanes on Bluebonnet (Bean Ck, through Skypark to Mt. Hermon/Lockewood).	\$150	\$150	\$0	100	0	0
Citywide Access Ramps	SV-P06	Place handicap ramps at various locations. Avg annual cost: \$8K/yr.	\$210	\$210	\$0	0	100	0
Citywide Bike Lanes	SV-P41	Construction of additional bike lanes and paths citywide (including Green Hills).	\$3,100	\$0	\$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	\$11,700	\$3,070	5	5	5
Citywide Sidewalk Program	SV-P05	Install sidewalks to fill gaps. Annual Cost \$50k/yr	\$5,170	\$2,600	\$2,570	0	100	0
Civic Center Dr Bike Lanes	SV-P33	Add bike lanes to narrow road.	\$410	\$0	\$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	\$0	\$1,240	5	10	0
El Pueblo Rd Extensions	SV-P15	Connect El Pueblo Road to Disc Drive.	\$410	\$0	\$410	5	10	0
El Rancho Dr Bike Lanes	SV-P36	Add bike lanes on El Rancho within city limits.	\$340	\$0	\$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	\$0	\$570	5	5	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	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	\$0	\$1,030	5	5	0
Emergency Access Whispering Pines	SV-P26	Connect Whispering Pines Drive to Manana Woods for emergency access.	\$50	\$0	\$50	5	5	0
Emergency Access-Bethany/Glenwood	SV-P23	Connect Bethany Drive to Glenwood Drive.	\$210	\$0	\$210	5	5	0
Emergency Access-Sundridge/Pueblo	SV-P22	Connect Sundridge Drive to Disc Drive for emergency access.	\$410	\$0	\$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	\$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	\$0	\$1,030	100	0	0
Glen Canyon Rd/Green Hills Rd/S. Navarra Dr Bike Corridor and Roadway Preservation	SV 28	Repave two roads, add bike lanes, and signage. Includes road markings like sharrows and green lane treatments to assist commuters, students, and recreational bikers; and bike/walk education and outreach programs. Scope may be reduced to Green Hills Rd and reduced section of Glen Canyon if additional local revenues are not secured.	\$1,265	\$1,265	\$0	26	0	0
Glenwood Dr Bike Lanes	SV-P39	Widen road to accommodate bike lanes from Scotts Valley High School to City limits.	\$520	\$520	\$0	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	\$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	\$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	\$105	\$105	10	10	10
Lockhart Gulch Rd Bike Lanes	SV-P37	Add Class 2 bike lanes to narrow, primarily residential street.	\$720	\$0	\$720	100	0	0
Lockwood Ln Pedestrian Signal Near Golf Course	SV-P21	Construct a pedestrian signal at unprotected ped crossing on Lockwood Lane.	\$50	\$50	\$0	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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
Lockwoode 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	\$520	\$0	50	50	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	\$515	\$515	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	\$1,030	\$0	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	\$50	\$0	0	100	0
Mt Hermon Road Sidewalk Connections	SV-P30A	Add sidewalks to fill gaps in business district.	\$520	\$520	\$0	0	100	0
Mt Hermon, Lockewood, Springs Lake Widening	SV-P13	Widen, reconstruct and improve portions of roadway and intersection.	\$4,130	\$0	\$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	\$80	\$0	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	\$0	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	\$620	\$0	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	\$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 evaluate adding 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	\$450	\$0	10	10	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$130	\$130	10	10	10
N. Navarra Dr-Sucinto Dr Bike Lanes	SV-P34	Add bike lanes to developing area behind commercial.	\$620	\$0	\$620	100	0	0
Neighborhood Traffic Calming	SV-P28	Citywide traffic calming devices.	\$770	\$770	\$0	0	0	0
Scotts Valley Town Center Bicycle/Pedestrian Facilities	SV-P45	Bicycle and pedestrian facilities and circulation elements within planned development.	\$4,130	\$4,130	\$0	25	25	0
Scotts Valley-wide - Greenway Signage	SV-P48	Add signage for neighborhood greenways.	\$20	\$0	\$20	50	50	0
Sky Park Commercial Area Circulation	SV-P11	Construct infrastructure improvement for Skypark commercial area.	\$2,070	\$0	\$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	\$100	\$0	0	0	0
City of Scotts Valley			\$87,915	\$25,935	\$61,980			

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	\$20	\$0	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	\$20	\$0	10	40	0
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 beacon, striping, and roadway rehab.	\$1,330	\$1,330	\$0	10	43	2
Airport Blvd Modifications (Hanger Way to Ross Ave)	WAT-P34	Reconstruct or repave roadway and bike lanes; repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping.	\$520	\$0	\$520	10	23	2

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$1,550	\$0	0	42	0
Alley Improvements	WAT-P36	Repair & reconstruct some alleys.	\$50	\$50	\$0	0	0	0
Bridge Maintenance	WAT-P35	Maintenance of bridges	\$100	\$100	\$0	0	0	0
Buena Vista/Calabasas/Freedom Connection	WAT-P30	Construction of roadway connection from Buena Vista area to Freedom Blvd. Reconstruct Via Nicola.	\$5,170	\$0	\$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 = \$2,600/year, constr=\$1500/yr)	\$56,820	\$44,000	\$12,820	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	\$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	\$0	\$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	\$0	\$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	\$520	\$0	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	\$0	\$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	\$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	\$260	\$0	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	\$1,500	\$0	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	\$260	\$0	50	50	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$520	\$0	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	\$0	\$2,580	10	25	2
Freedom Blvd Undergrounding	WAT-P38	Underground existing overhead utilities.	\$1,270	\$1,270	\$0	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	\$0	\$1,550	50	50	0
Freedom Boulevard Plan Line	WAT 43	Preparation of a plan line for Freedom Boulevard between Green Valley Road and Buena Vista Drive that delineates multimodal modifications supported by the community.	\$160	\$160	\$0	0	0	0
Green Valley Rd Modifications (Freedom Blvd to City Limit)	WAT-P45	Reconstruct or repave roadway and bike lanes; 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	\$0	\$1,810	10	25	2
Green Valley Road Reconstruction (Struve Slough-Freedom Blvd)	WAT 42	Reconstruct existing roadway and bike lanes, replace asphalt ped path with curb, gutter sidewalk and ADA compliant curb ramps; upgrade signage and loop detectors. Condition: increase sidewalk width consistent with the Complete Streets Guidebook. City may have to reduce existing roadway lane widths in order to provide wider sidewalks; may repave instead of reconstruct roadway or reduce limits of reconstruction based on allocated funds.	\$1,198	\$1,198	\$0	16	24	9
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	\$0	\$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	\$0	\$310	50	50	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
Hwy 1/Harkins Slough Road Corridor Improvements	WAT 01A	Construction of Pedestrian/Bicycle Bridge over Highway 1. 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); Caltrans Project ID 05-1G490 (formerly part of Caltrans Project ID - 05-44130 and WAT 01).	\$8,600	\$8,600	\$0	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	\$30	\$0	0	100	0
Lower Watsonville Slough Trail	WAT-P46	Install bicycle/pedestrian trail	\$670	\$670	\$0	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	\$0	\$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	\$770	\$0	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	\$770	\$0	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	\$620	\$0	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	\$1,450	\$0	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	\$1,290	\$0	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	\$0	\$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	\$100	\$0	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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
MBSST (Coastal 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	\$1,340	\$0	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	\$0	\$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	\$100	\$0	0	0	0
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	\$410	\$0	10	20	0
Ohlone Parkway Improvements - Phase 2 (UPRR to West Beach)	WAT-P31	Roadway, pedestrian, and bicycle facilities.	\$520	\$520	\$0	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	\$0	\$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	\$620	\$0	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	\$0	\$4,000	5	20	5
Riverside (Hwy 129) Bike Facilities	CT-P39	Bicycle facilities - Lee to Lakeview Road. County/City Project -Cost Unknown.	\$0	\$0	\$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	\$10	\$0	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	\$210	\$0	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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
Union/Brennan (Freedom to Riverside) - Sharrows	WAT-P52	Evaluate and if found necessary, add sharrows to Union/Brennan.	\$10	\$10	\$0	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	\$460	\$0	50	50	0
Upper Watsonville Slough Trail	WAT-P43	Install bicycle/pedestrian trail.	\$670	\$670	\$0	50	50	0
Walker St Modifications (Beach St to Watsonville Slough)	WAT-P48	Repave roadway and bike lanes; repair, replace and install curb, gutter, sidewalk and curb ramps; replace and upgrade signage and striping	\$2,790	\$0	\$2,790	10	25	2
Watsonville Shuttle	WAT-P27	Year round public transit service.	\$260	\$0	\$260	0	0	100
Watsonville-wide HOV priority	WAT-P56	Evaluate HOV priority at signals and HOV queue bypass.	\$50	\$50	\$0	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	\$0	\$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	\$0	\$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	\$0	\$210	40	60	0
City of Watsonville			\$149,488	\$71,458	\$78,030			

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=\$2M.	\$56,700	\$46,000	\$10,700	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	\$15,500	0	0	100

Project Title	ID	Project Description/Scope	Est Cost \$1,000's	Constrained	Uncon- strained	Percentage Project Cost By Active Mode (estimate)		
						Bike:	Ped:	Transit:
Medical Specialized Transportation for Veterans	CTSA-P06	Non-emergency medical transportation for veterans	\$6,500	\$0	\$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	\$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	\$21,700	0	0	100
		Consolidated Transportation	Total Cost	\$105,400	\$46,000	\$59,400		

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.	\$6,500	\$2,200	\$4,300	50	40	0
		County Health Services Agency	Total Cost	\$6,500	\$2,200	\$4,300		

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	\$370	\$0	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	\$0	\$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	\$0	\$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	\$570	\$1,500	20	25	5
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	\$340	\$900	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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$1,240	\$0	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	\$0	\$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	\$600	\$5,600	25	10	10
Aptos Beach Dr Improvements (Esplanade 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	\$0	\$1,240	20	25	5
Aptos Village Plan Improvements	CO 64	Modifications for ped, bike, bus and auto traffic. Add pedestrian facilities and drainage infrastructure on both sides of Soquel Dr; improve bike lanes; new bike parking; 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 & Soquel/Trout Gulch. Left turn lanes on Soquel at new street - Parade St and at Aptos Creek Road. 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. Pavement overlay of Soquel Dr (Spreckels to Trout Gulch) and a portion of Aptos Creek Road.	\$4,100	\$4,100	\$0	10	20	0
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	\$340	\$900	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	\$485	\$1,275	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	\$860	\$0	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	\$250	\$4,500	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	\$0	\$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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$0	\$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	\$0	\$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	\$0	\$1,760	20	25	5
Branciforte Drive Chip Seal (Granite Ck Rd-north)	CO 79	Asphalt Digouts, Chip Seal, and restriping of 0.62 miles of Branciforte Drive from Granite Creek to PM 2.4	\$197	\$197	\$0	0	0	0
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	\$340	\$900	20	25	5
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	\$825	\$2,175	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	\$0	\$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	\$240	\$1,000	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	\$0	\$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	\$0	\$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	\$340	\$0	0	0	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$0	\$1,240	6	6	3
Casserly Rd Bridge Replacement	CO 73	Replace existing bridge in poor condition over a tributary of Green Valley Creek near Smith Rd intersection	\$930	\$930	\$0	0	0	0
Casserly 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	\$208	\$563	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	\$0	\$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	\$340	\$900	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	\$340	\$900	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	\$0	\$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	\$0	\$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	\$0	\$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	\$170	\$450	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	\$150	\$470	20	25	5
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	\$620	\$0	15	10	10

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
County wide guardrail	CO-P97	Install guardrail on County roads	\$15,000	\$0	\$15,000	0	0	0
Countywide ADA Access Ramps	CO-P37	Construction of handicapped access ramps countywide.	\$1,240	\$620	\$620	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	\$0	\$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	\$270,000	\$218,610	10	5	0
Countywide Sidewalks	CO-P41	Install sidewalks.	\$72,310	\$7,000	\$65,310	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	\$0	\$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	\$410	0	100	0
East Cliff Dr Pedestrian Pathway (7th-12th Ave)	CO-P50	Construct pedestrian pathway on East Cliff.	\$1,760	\$1,760	\$0	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	\$230	\$0	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	\$1,500	\$3,250	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	\$485	\$1,275	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	\$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	\$0	\$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	\$655	\$1,725	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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$220	\$0	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	\$340	\$0	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	\$1,190	\$3,560	20	10	10
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	\$655	\$1,725	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	\$655	\$1,725	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	\$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	\$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	\$775	\$2,325	20	10	10
Freedom Blvd Pavement Preservation (Hwy 1 to Pleasant Vly Rd)	CO 74	Rehabilitate the roadway surface.	\$1,430	\$1,430	\$0	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	\$0	\$1,240	20	25	5
Glen Arbor Road Recycle, Overlay, & Chip Seal (SR 9-Quail Hollow)	CO 80	Pavement recycling, asphalt overlay, chip seal, and restriping 0.52 miles of Glen Arbor Road from Hwy 9 at bridge to Quail Hollow Rd. The project will also include a subdrain at a point where a natural spring is causing subgrade destabilization and repairs rutting damage adjacent to bus stops.	\$467	\$467	\$0	0	0	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$1,640	\$4,350	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	\$0	\$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	\$0	\$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	\$825	\$2,175	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	\$1,755	\$5,265	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	\$0	\$1,760	20	25	5
Granite Creek Road Recycle & Overlay	CO 81	Pavement recycling, asphalt overlay, and restriping of 1.85 miles of Granite Creek Road from Scotts Valley city limits to PM 0.56. Scope may be scaled to match funding.	\$1,038	\$1,038	\$0	0	0	0
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	\$270	\$0	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	\$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	\$390	\$0	0	100	0
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	\$1,030	\$3,100	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	\$0	\$3,620	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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$0	\$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	\$310	\$930	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	\$0	\$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	\$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	\$0	\$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	\$905	\$2,715	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	\$0	\$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	\$0	\$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	\$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	\$0	\$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	\$0	\$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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$0	\$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	\$243	\$638	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	\$0	\$1,860	50	0	0
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	\$0	\$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	\$400	\$1,050	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	\$1,760	\$0	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	\$0	\$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	\$0	\$620	20	25	5
Mar Vista Dr Improvements (entire length-just before Seacliff 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	\$0	\$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	\$400	\$1,050	20	25	5
McGregor Dr Improvements (Capitola city limits to Seaside 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	\$0	\$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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$0	\$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	\$360	\$0	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	\$0	\$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	\$890	\$0	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	\$825	\$2,175	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	\$0	\$1,240	20	26	9
Opal Cliff Dr Improvements (41st Av to Capitola 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	\$290	\$950	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	\$2,500	\$7,000	100	0	0
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	\$340	\$900	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	\$310	\$930	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	\$240	\$1,000	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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$655	\$1,725	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	\$180	\$700	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	\$0	\$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	\$0	\$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	\$340	\$900	20	25	5
Portola Dr Cape Seal (E. Cliff to 24th Ave)	CO 76	Double fiberized slurry seal and restriping to rehabilitate the roadway surface.	\$240	\$240	\$0	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	\$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	\$0	\$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	\$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	\$0	\$3,100	20	25	5
Redwood Rd Bridge Replacement Project	CO-P89	The project will consist of completely replacing the existing steel army tread way bridge crossing a tributary of Brown's Creek on Redwood Road with a reinforced concrete slab bridge and standard bridge approaches.	\$1,310	\$0	\$1,310	0	0	0

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			Est Cost \$1,000's	Constrained	Uncon- strained	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	\$500	\$2,500	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	\$0	\$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	\$0	\$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	\$0	\$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	\$2,270	\$0	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	\$7,640	\$0	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	\$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	\$0	\$1,760	20	25	5
Seascape Blvd Improvements (Sumner Ave to San Andreas Rd)	CO-P26s	Roadway improvements and pavement rehabilitation.	\$620	\$170	\$450	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	\$440	\$1,320	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	\$0	\$2,380	20	25	5

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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	\$3,310	\$0	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	\$1,885	\$5,655	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	\$410	\$0	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	\$0	\$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	\$580	\$2,000	25	10	5
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	\$250	\$780	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	\$340	\$900	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	\$0	\$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	\$335	\$1,005	10	30	10
State Park Drive/Seacliff Village Improvements	CO 36	Construct sidewalks, bike lanes, bus turnouts, central plaza, street lighting, EV charging station, parking, landscaping, drainage and roadway overlay in Seacliff core area- consistent with the Seacliff Village Plan adopted by the BOS in 2003.	\$2,375	\$2,375	\$0	5	15	5
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	\$530	\$0	0	0	0

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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	\$1,530	\$4,050	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	\$0	\$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	\$0	\$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	\$0	\$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	\$485	\$1,275	20	25	5
Thurwachter Road Bike Lanes	CO-P68	Install bicycle lanes.	\$50	\$0	\$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	\$0	\$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	\$0	\$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	\$0	\$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	\$340	\$900	20	25	5
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	\$0	\$1,450	20	25	5

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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	\$0	\$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	\$0	\$1,240	20	25	5
Winkle Ave Improvements (entire length from Soquel Dr)	CO-P27i	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$2,380	\$655	\$1,725	20	25	5
County of Santa Cruz			Total Cost	\$906,917	\$344,017	\$562,900		

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	\$1,620	\$2,000	100	0	0
Ecology Action Countywide SRTS Youth Pedestrian and Bicycle Safety Education	EA 02	EA will serve approximately 34 second grade classrooms with 'feet on the ground' pedestrian safety education and 24 fifth grade classrooms with bike safety education and 'rodeos' serving a total of 58 classrooms at 11 local schools.	\$65	\$65	\$0	42	58	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	\$1,135	\$1,185	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	\$300	\$110	0	0	0
Ecology Action			Total Cost	\$6,415	\$3,120	\$3,295		

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						Bike:	Ped:	Transit:
SCCRTC								
Bicycle Route Signage Countywide	RTC 32	Define routes, develop and install signs directing bicyclists to preferred routes to various destinations countywide.	\$600	\$600	\$0	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	\$210	\$340	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	\$212	\$200	0	0	0
Cruz511 TDM and Traveler Information	RTC 02a	Transportation demand management including centralized traveler information system and ride matching services. Outreach, education and incentives; multimodal traveler information system on traffic conditions, incidents, road and lane closures; ride matching 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: \$315k.	\$5,290	\$2,640	\$2,650	0	0	0
Environmental Assessment, Economic and Other Analyses of Options for Rail Corridor	RTC-P02a	Environmental assessment, economic and other analyses of a possible future public transit system and other transportation options on the rail corridor right-of-way.	\$8,000	\$8,000	\$0	0	0	0
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	\$6,080	\$3,350	0	0	0
MBSST - North Coast Rail Trail	TRL 5	Monterey Bay Sanctuary Scenic Trail Network (MBSST) sections ph. 1 Wilder Ranch-Coast Dairies (5.1 mi); ph. 2-Yellow Bank Beach-Davenport (2.1 mi).	\$20,000	\$11,000	\$9,000	50	50	0
Measure D Administration and Implementation	RTC-P59	SCCRTC administration, implementation and oversight of Measure D and the revenues generated from the 2016 Santa Cruz County Transportation Sales Tax - Measure D. Costs include annual independent fiscal audits, reports to the public, preparation and implementation of state-mandated reports, oversight committee, preparation of implementation, funding and financing plans, and other responsibilities as may be necessary to administer, implement and oversee the Ordinance and the Expenditure Plan.	\$16,500	\$16,500	\$0	0	0	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$1,030	\$0	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	\$82,500	\$38,500	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	\$4,800	\$4,800	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	\$220	\$1,430	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	\$1,870	\$3,810	0	0	0
Rail and Trail Corridor Management and Maintenance	RTC-P03	Operating expenses for rail line oversight. Avg annual cost:\$175K/yr.	\$3,850	\$3,850	\$0	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.	\$25,000	\$0	\$25,000	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	\$283,000	0	0	100
Railroad Infrastructure Maintenance and Rehabilitation	RTC 36	Protect, maintain and rehabilitate the railroad infrastructure on the Santa Cruz Branch Rail Line including bridges, track, drainage, culverts, signals, etc.	\$22,410	\$22,410	\$0	0	0	0
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	\$220	\$300	0	0	100

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			Est Cost \$1,000's	Constrained	Uncon- strained	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	\$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	\$320	\$0	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	\$5,390	\$0	0	0	0
Santa Cruz Branch Rail Line Improvements	RTC 03a	Infrastructure preservation for current uses and future transportation purposes.	\$570	\$570	\$0	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: \$650K/yr.	\$14,300	\$14,300	\$0	0	0	0
SCCRTC Planning	RTC-P08	SCCRTC Planning Tasks. Includes public outreach, long and short range planning, interagency coordination. Avg annual cost: \$625k/yr.	\$13,750	\$13,750	\$0	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	\$1,100	\$1,590	0	0	0
Shared Parking Program	RTC-P57	Develop tools to allow adjacent property owners to develop and share parking facilities.	\$150	\$50	\$100	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	\$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	\$100	\$570	0	0	0
SCCRTC			\$574,302	\$197,722	\$376,580			

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Unconstrained	Bike:	Pedi:	Transit:
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). [Other RTC24_ projects are increments of the Highway 1 CIP.] Caltrans Project ID 05-0C730	\$0	\$0	\$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	\$29,960	\$0	10	15	5
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	\$33,060	\$0	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	\$42,350	\$0	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	\$0	\$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	\$0	\$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	\$0	\$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	\$0	\$41,100	12.5	12.5	0

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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	\$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	\$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	\$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	\$0	\$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	\$61,980	0	0	25
97 - Hwy 1: HOV Lanes from San Andreas Rd/Larkin Valley to Morrissey Blvd	RTC 24z	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	\$0	\$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	\$0	\$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	\$7,800	\$0	50	50	0

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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	\$20,600	0	0	5
SCCRTC/Caltrans			\$683,290	\$113,170	\$570,120			

SCMTD

ADA Access Improvements	MTD-P51	Add or improve ADA accessibility to all bus stops and METRO facilities.	\$4,222	\$350	\$3,872	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	\$121,000	\$0	0	0	100
ADA Paratransit Vehicle Replacements	MTD 02	Replace buses/vans for ADA paratransit fleet (including Accessible Taxi program).	\$14,040	\$6,000	\$8,040	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	\$1,054	\$1,446	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	\$3,200	\$0	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	\$0	\$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	\$0	\$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	\$12,000	0	0	75
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	\$26,780	0	0	100
Bus Rebuild and Maintenance	MTD-P31	Rebuild engines; Fleet maintenance equipment.	\$5,175	\$5,174	\$1	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	\$500	\$0	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	\$2,070	0	0	0

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Customer IT amenities	MTD-P55	Upgrade Hwy 17 Wi-Fi and expand to local routes; real-time bus arrival website.	\$1,010	\$0	\$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	\$100	0	0	100
Electric Non-Fleet Vehicles	MTD-P47	Replace non-revenue vehicles to EV.	\$580	\$0	\$580	0	0	100
EV Fast Charging Stations	MTD-P48	Install 5 electric vehicle charging stations at transit centers.	\$1,030	\$0	\$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	\$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.	\$83,600	\$83,600	\$0	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	\$4,234	\$5,970	0	0	100
Inter-County Paratransit Connection	MTD-P44	Establish paratransit connection location with Santa Clara County.	\$1,290	\$0	\$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	\$741,400	\$0	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	\$71,861	\$101,299	0	0	100
Maintenance Facility Expansion	MTD-P38	Property acquisition, design, and construction of maintenance facility expansion.	\$15,850	\$0	\$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	\$61,275	\$81,145	0	0	100
Metro facilities repair/upgrades	MTD-P36	Maintain and upgrade facilities.	\$6,270	\$4,300	\$1,970	0	0	100
Metro rebranding	MTD-P58	Develop marketing program and establish consistent brand with uniform signage, letterhead, ads.	\$500	\$0	\$500	0	0	100
Non-Revenue Vehicles	MTD-P32	Replace support vehicles.	\$3,450	\$1,200	\$2,250	0	0	100
Pacific Station- Bike Station	MTD-P49	Establish bike station at Pacific Station.	\$410	\$0	\$410	60	0	40

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ParaCruz Mobile Data Terminals; Radios	MTD-P30	Replace mobile data terminals in vehicles	\$760	\$400	\$360	0	0	100
ParaCruz Operating Facility	MTD-P28	Design, Right-of-Way and construction for new ParaCruz Operating Facility.	\$12,400	\$0	\$12,400	0	0	100
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	\$29,400	0	0	50
Replacement of Watsonville Transit Center	MTD-P56	Replacement transit center at existing or new location.	\$25,000	\$0	\$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	\$1,000	\$4,550	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	\$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	\$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	\$2,070	0	0	100
Small Bus Fleet	MTD-P24	Purchase smaller buses for travel through residential neighborhoods. Cost currently unknown.	\$1,700	\$0	\$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	\$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	\$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	\$1,240	0	0	100
Transit Security and Surveillance Systems	MTD-P33	Enhance passenger safety and facilities security. Emergency response systems.	\$1,140	\$0	\$1,140	0	0	100

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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	\$1,000	\$4,490	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	\$2,500	\$2,670	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	\$260	0	0	100
Watsonville Transit Center Improvements	MTD-P46	Minor upgrades to Watsonville Transit Center.	\$1,030	\$0	\$1,030	0	0	100
SCMTD			Total Cost	\$1,565,386	\$1,110,048	\$455,338		

Seniors Council

Senior Employment Ride Reimbursement	RTC-P43	Reimburse low income seniors for transit expenses to/from employer sites.	\$1,600	\$1,600	\$0	0	0	100
Seniors Council			Total Cost	\$1,600	\$1,600	\$0		

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	\$500	\$2,600	0	0	100
Alternative Fuel/Electric Shuttle Vehicles	UC-P22	Capital acquisition of vehicles/conversion of shuttles to EV.	\$10,330	\$0	\$10,330	0	0	100
Bike Shuttle Vehicle Acquisition	UC-P51	Acquire more alt fueled vehicles for bike shuttle (and possible expansion).	\$520	\$0	\$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	\$260	\$0	0	0	40
College Nine/Communications Pedestrian Bridge	UC-P39	Construct pedestrian bridge.	\$1,030	\$0	\$1,030	0	100	0
College Nine/Crown College Pedestrian Bridge	UC-P37	Construct pedestrian bridge.	\$1,550	\$0	\$1,550	0	100	0

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Coolidge Overlook	UC-P42	Improve overlook for parking, benches and signage for Sanctuary.	\$620	\$0	\$620	0	0	0
Disability Van Service	UC-P75	Operate disability van service (\$240k/yr).	\$5,450	\$5,450	\$0	0	0	100
East Collector Transit Hub	UC-P46	New transit hub at East Collector (East Remote) lot.	\$5,170	\$0	\$5,170	0	0	100
Electric Vehicle Charging Stations	UC-P65	Add additional electrical infrastructure and install electric vehicle charging stations around campus.	\$810	\$310	\$500	0	0	0
Great Meadow Bike Path Safety Improvements	UC-P60	Bikeway safety and maintenance improvements; potential for separate pedestrian improvements to minimize conflicts.	\$1,000	\$0	\$1,000	50	30	0
Hagar/McLaughlin Intersection Improvements	UC-P10	Signal, pedestrian safety improvements(including new crosswalk) and roadway improvements.	\$520	\$0	\$520	5	10	0
Hagar/Steinhart Intersection Improvements	UC-P14	Signal, pedestrian safety improvements, transit, roadway improvements.	\$1,030	\$0	\$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	\$0	\$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	\$0	\$830	100	0	0
Kerr/Porter Rd Pedestrian Bridge ADA Upgrades	UC-P72	Modify bridge to improve access.	\$3,100	\$0	\$3,100	0	100	0
Kresge/Core West Pedestrian Bridge: ADA Upgrades	UC-P57	Modify bridge to enhance ADA access.	\$3,100	\$0	\$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	\$0	\$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	\$0	\$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	\$0	\$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	\$0	\$18,590	10	10	10

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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	\$410	\$0	0	0	0
Pedestrian Directional Map/Wayfinding System	UC-P38	Develop and install signs throughout campus.	\$520	\$520	\$0	0	100	0
Porter/Performing Arts Pedestrian Bridge	UC-P36	Construct pedestrian bridge.	\$1,030	\$0	\$1,030	0	100	0
Science Hill/North Academic Core Pedestrian Bridge	UC-P40	Construct pedestrian bridge.	\$1,030	\$0	\$1,030	0	100	0
Sidewalk/Pedestrian Improvements	UC-P50	Widen sidewalks/improve ped access in areas of campus.	\$5,170	\$0	\$5,170	0	100	0
Spring Street Bikeway	UC-P34	Construct bikeway connecting Spring Street to Hagar Ct.	\$310	\$0	\$310	100	0	0
Steinhart Way Multimodal Improvements	UC-P03	Roadway improvements for shuttles, bikes and pedestrians.	\$520	\$0	\$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	\$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	\$5,170	\$0	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	\$1,030	\$0	0	0	0
Traveler Safety Education/Information Programs	UC-P61	Bike/pedestrian safety programs; light and helmet giveaways, safety classes, distracted driver programs, bus etiquette program.	\$100	\$100	\$0	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	\$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	\$0	\$1,030	100	0	0
UCSC Bicycle Parking Improvements	UC-P33	Install bicycle parking facilities to serve bicycle commuters to the University.	\$520	\$520	\$0	100	0	0
UCSC Bike Loan Program	UC-P52	Develop and implement a bike loan program for UC students.	\$1,030	\$0	\$1,030	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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
UCSC Bike Showers/Storage Lockers	UC-P32	Install showers and storage facilities to serve bicycle commuters to the University.	\$620	\$0	\$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	\$3,100	\$0	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	\$1,550	\$0	0	0	0
UCSC Lump Sum Roadway Maintenance	UC-P59	Repaving and rehabilitation of roadways on UCSC campus to maintain existing network.	\$10,330	\$3,100	\$7,230	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	\$0	\$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	\$70,450	\$0	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	\$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	\$2,580	\$0	0	50	0
UCSC Transit Service	UC-P74	Operate the on campus shuttle service and Night Owl (\$3.01m/year).	\$68,410	\$68,410	\$0	0	0	100
UCSC Vanpool Program	UC-P63	Maintain, operate and expand upon UCSC vanpool program.	\$8,680	\$8,680	\$0	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	\$310	0	0	0
UCSC			Total Cost	\$287,400	\$172,140	\$115,260		

Various Agencies

Active Transportation Plan	VAR-P39	Prepare Active Transportation Plans that address bicycle, pedestrian, safe routes to schools and complete streets facilities.	\$2,380	\$2,380	\$0	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	\$260	\$260	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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$4,130	\$0	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	\$0	\$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	\$1,030	\$0	100	0	0
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	\$780	\$780	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	\$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	\$1,330	\$1,250	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	\$400	\$1,600	0	0	0
Complete Streets Implementation	VAR-P27	Additional projects for complete streets implementation that would fall under the Complete Streets Guidelines.	\$10,330	\$0	\$10,330	40	40	20
Coolidge Drive Reconstruction	VAR-P23	Reconstruction of roadway and bike lane.	\$3,100	\$0	\$3,100	0	0	0
Countywide Pedestrian Signal Upgrades	RTC-P26	Grant program to fund installation of accessible pedestrian equipment with locator tones including rapid flashing beacons and count down times etc. to facilitate roadway crossings by visually and mobility impaired persons.	\$2,070	\$1,035	\$1,035	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	Constrained	Uncon- strained	Bike:	Ped:	Transit:
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	\$80	\$0	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	\$515	\$515	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	\$0	\$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	\$5,680	\$0	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	\$0	\$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	\$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).	\$54,500	\$54,500	\$0	0	0	0
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.)	\$23,370	\$23,370	\$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	\$520	\$0	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	\$7,750	0	0	75

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Unconstrained	Bike:	Ped:	Transit:
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	\$0	\$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	\$2,260	\$6,000	0	0	25
Planning for Transit Oriented Development for Seniors	VAR-P25	Evaluate opportunities for Transit Oriented Development serving seniors.	\$80	\$80	\$0	0	0	0
Plug-in Electric Vehicle Access, Education & Promotion	VAR-P21	Target motorist looking for a cleaner vehicle by providing access, education and promotion on ever evolving plug-in 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	\$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	\$775	\$775	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	\$150	\$0	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	\$150	\$0	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	\$3,100	\$0	0	100	0
Safe Routes to Schools Studies	VAR-P10	Studies to assess pedestrian and bicycle safety near schools.	\$210	\$210	\$0	50	50	0
Safety Plan	VAR-P36	Develop a safety plan that addresses traffic related injuries and fatalities for all modes of transportation.	\$310	\$310	\$0	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	\$100	\$1,900	0	0	0
School Complete Streets Projects	VAR-P35	Implement ped/bike programs and facilities near schools.	\$10,330	\$0	\$10,330	50	50	0

Project Title	ID	Project Description/Scope	Costs in 2016 dollars.			Percentage Project Cost By Active Mode (estimate)		
			Est Cost \$1,000's	Constrained	Uncon- strained	Bike:	Ped:	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, biking and carpooling encouragement projects ranging from bike to school events, to incentive driven tracking, and educational support activities. Est. annual cost \$150k.	\$3,820	\$1,910	\$1,910	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	\$2,325	\$2,325	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	\$2,570	\$2,600	0	0	100
Transit Priority	VAR-P34	Install transit queues at major intersections.	\$5,170	\$2,585	\$2,585	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	\$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	\$310	\$0	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	\$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	\$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	\$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	\$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	\$2,570	\$2,600	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	Constrained	Unconstrained	Bike:	Ped:	Transit:	
Various Agencies			Total Cost	\$272,931	\$115,415	\$157,516			
Volunteer Center									
Volunteer Center Transportation Program	VC-P1	Program providing specialized transportation to seniors and people with disabilities. Constrained=existing TDA allocations.		\$3,750	\$1,640	\$2,110	0	0	0
Volunteer Center			Total Cost	\$3,750	\$1,640	\$2,110			
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.		\$21,700	\$21,700	\$0	0	0	0
Watsonville Municipal Airport Operations	AIR-P02	Ongoing operations/maintenance. Average \$2M/year.		\$44,000	\$44,000	\$0	0	0	0
Watsonville Airport			Total Cost	\$65,700	\$65,700	\$0			
Funds Needed Through 2040				\$6,256,050					
Total Within Projected Funds (Constrained)					\$2,824,802				
Minimum New Funds Needed (Unconstrained)						\$3,431,248			

2040 Santa Cruz County Regional Transportation Plan Goals, Targets¹ and Policies

➤ **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.**

There is a strong relationship between meeting targets and achieving access, health, economic benefit, climate and energy goals. In many cases actions to achieve one goal or target will assist in achieving other goals and targets. For example, providing more carpool, transit and bicycle trips reduces fuel consumption, retains money in the local Santa Cruz County economy and reduces congestion.

TARGETS:

Improve people's ability to meet most of their daily needs without having to drive. Improve access and proximity to employment centers.

1A. Increase the percentage of people that can travel to key destinations² within a 30-minute walk, bike or transit trip by 20 percent by 2020 and 47 percent by 2040.³

Re-invest in the local economy by reducing transportation expenses from vehicle ownership, operation and fuel consumption. Reduce smog-forming pollutants and greenhouse gas emissions.

1Bi. Reduce per capita fuel consumption and greenhouse gas emissions by 1 percent by 2020, 5 percent by 2035 and 6 percent by 2040 through a reduction in vehicle miles traveled and improved speed consistency.⁴

1Bii. Reduce total greenhouse gas emissions from transportation by 1 percent by 2020 and 60 percent by 2040⁵ (compared to 2005) through electric vehicle use, other emerging technologies, reduction in vehicle miles traveled and improved speed consistency.

1C. Re-invest in the local economy \$5 million/year⁶ by 2020 and \$12 million/year by 2040 from savings resulting from lower fuel consumption due to a reduction in vehicle miles traveled.⁷

¹ Base years have been identified for most targets to allow for a comparative analysis. Base years vary by target between 2001 and 2010, depending on available data. Base years for the 2040 RTP are the same as the base years determined for the 2014 RTP.

² Key destinations consider employment and population centers, and multimodal trip destinations.

³ The targets are relative to the 2010 maximum population within the key destinations and will close the gap between the baseline population and maximum population by 20% by 2020 and 47% by 2040.

⁴ A reduction in vehicle miles traveled is based on coordinated transportation and land use planning that strives to reduce length and number of vehicle trips. These target values may change based on the requirements of the California Air Resources Board for the AMBAG region.

⁵ This target is based on the California Executive Order B-16-12 - reduce greenhouse gas emissions from transportation by 80 percent below 1990 levels by 2050, and California Executive Order B-30-15 - reduce greenhouse gas emissions by 40 percent below 1990 levels by 2030.

⁶ 2012 dollars.

⁷ 10 million per year equates to \$100 per household per year. Assumes \$4 per gallon.

Improve the convenience and quality of trips, especially for walk, bicycle, transit, freight and carpool/vanpool trips.

1Di. Improve travel time reliability⁸ for vehicle trips.⁹

1Dii. Improve multimodal network quality¹⁰ for walk and bicycle trips to and within key destinations.¹¹

Improve health by increasing the percentage of trips made using active transportation options, including bicycling, walking and transit.

1E. Decrease single occupancy trip mode share by 4 percent by 2020 and by 9 percent by 2040.

1F. Increase the number of active transportation trips by 5 percent of total trips by 2020 and by 18% of total trips by 2040.¹²

POLICIES:

- 1.1 *Transportation Demand Management (TDM):* Expand demand management programs that decrease the number of vehicle miles traveled and result in mode shift.
- 1.2 *Transportation System Management:* Implement Transportation System Management programs and projects on major roadways across Santa Cruz County that increases the efficiency of the existing transportation system.
- 1.3 *Transportation Infrastructure:* Improve multimodal access to and within key destinations.
- 1.4 *Transportation Infrastructure:* Ensure network connectivity by closing gaps in the bicycle, pedestrian and transit networks.
- 1.5 *Land Use:* Support land use decisions that locate new facilities close to existing services, particularly those that service transportation disadvantaged populations.

⁸ Travel time reliability is important since being late to work, an appointment, or for a delivery has substantial repercussions for travelers and businesses. Literature from the Federal Highway Administration (FHWA) and many academic journals cite travel time reliability as a more important measure than average travel time between destinations because people must try to plan around the unpredictable nature of travel.

⁹ Qualitative target to be further developed in future planning effort.

¹⁰ Multimodal network quality for walk and bike trips considers roadways speeds, presence of bicycle and pedestrian facilities and buffers from traffic.

¹¹ Qualitative target to be further developed in future planning effort.

¹² The active transportation trip mode share for Santa Cruz County estimated from the 2012 California Household Travel Survey for all trips is 17% (10.7% walk, 4.2% bike and 1.7% transit). The targets are to increase the total active transportation mode share to 22% by 2020 (13% Walk, 6% bike and 3% transit) and increase the active transportation mode share to 35% by 2040 (18% Walk, 11% bike and 6% transit).

➤ **GOAL 2. Reduce transportation related fatalities and injuries for all transportation modes.**

Safety is a fundamental outcome from transportation system investments and operations. Across the United States, pedestrians and bicyclists (vulnerable users) are killed and injured at a significantly higher rate than the percentage of trips they take.

TARGETS:

Improve transportation safety, especially for the most vulnerable users.

2A. Reduce injury and fatal collisions by mode by 20 percent by 2020 and by 60 percent by 2040.

2B. Reduce total number of high collision locations.¹³

POLICIES:

2.1 *Safety*: Prioritize funding for safety projects and programs that will reduce fatal or injury collisions.

2.2 *Safety*: Encourage projects that improve safety for youth, vulnerable users, and transportation disadvantaged.

2.3 *Emergency Services*: Support projects that provide access to emergency services.

2.4 *System Design*: Reduce the potential for conflict between bicyclists, pedestrians and vehicles.

➤ **GOAL 3. Deliver access and safety improvements cost effectively, within available revenues, equitably and responsive to the needs of all users of the transportation system, and beneficially for the natural environment.**

The manner in which access and safety outcomes referenced in Goal 1 and Goal 2 are delivered can impact cost-effectiveness, distribution of benefits amongst population groups, and ecological function.

TARGETS:

Maintain the existing system and improve the condition of transportation facilities.

3A. Increase the average local road pavement condition index to 57 by 2020 and 72 by 2040.

3B. Reduce the number of transportation facilities in “distressed” condition¹⁴ by 3 percent by 2020 and 5 percent by 2035.

Enhance healthy, safe access to key destinations for transportation-disadvantaged populations.

3C. Reduce travel times and increase travel options for people who are transportation disadvantaged due to income, age, race, disability or of limited English proficiency by

¹³ Qualitative target to be further developed in future planning effort.

¹⁴ Includes street (pavement, sidewalks, bike lanes, and other road components) and transit facilities. “Distressed” pavement has a Pavement Condition Index under 50.

increasing the percentage that are within a 30-minute walk, bike or transit trip to key destinations by 20% by 2020 and 47% by 2040.¹⁵

3Di. Ensure transportation services are equitably distributed to all segments of the population.

3Dii. Ensure that transportation impacts do not disproportionately affect transportation-disadvantaged populations.

Solicit broad public input.

3E. Maximize participation from diverse members of the public in RTC planning and project implementation activities.¹⁶

Increase transportation revenues.

3F. Increase the amount of transportation funding by 20% by 2020 to provide a local and reliable source of funding that can leverage larger amounts of state and federal funding.

POLICIES:

- 3.1 *Cost Effectiveness & System Maintenance:* Maintain and operate the existing transportation system cost-effectively and in a manner that adapts the current transportation system to maximize existing investments.
- 3.2 *Coordination:* Improve coordination between agencies in a manner that improves efficiencies and reduces duplication (e.g. paratransit and transit; road repairs; signal synchronization; TDM programs).
- 3.3 *System Financing:* Support new or increased taxes and fees that reflect the cost to operate and maintain the transportation system.
- 3.4 *Equity:* Demonstrate that planned investments will reduce disparities in safety and access for transportation disadvantaged populations.
- 3.5 *Ecological Function:* Deliver transportation investments in a way that increases tree canopy, where appropriate, improves habitat and water quality, and enhances sensitive areas.
- 3.6 *Public Engagement:* Solicit broad public input on all aspects of regional and local transportation plans, projects and funding actions.

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¹⁵ The targets are relative to the 2010 maximum population within the key destinations and will close the gap between the baseline population and maximum population by 20% by 2020 and 47% by 2040.

¹⁶ Qualitative target to be further developed in future planning effort.