



Santa Cruz County Regional Transportation Commission's
Interagency Technical Advisory Committee (ITAC)

AGENDA
Thursday, January 16, 2020
1:30 p.m.
RTC Conference Room
1523 Pacific Avenue, Santa Cruz, CA

1. Call to Order
2. Introductions
3. Oral communications

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.

4. Additions, deletions, or other changes 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.

5. Approve Minutes of the November 21, 2019 ITAC meeting (*Page 3*)
6. Approve recommendations for Programming Competitive RSTPX Grant Funds (*Page 7*)
7. Receive Caltrans Updates:
 - a. Caltrans Project Updates (*Page 16*)
 - b. Semi Annual SHOPP Project List (*Page 21*)
 - c. Caltrans Announcements and website information (*Page 24*)

REGULAR AGENDA

8. Status of ongoing transportation projects, programs, studies and planning documents
 - a. Verbal updates from ITAC members
9. Draft Measure D Strategic Implementation Plan (SIP) – review and provide input (*Page 27*)
 - a. Staff Report
 - b. Draft SIP online at: www.sccrtc.org/measured

- c. Attachments – excerpts from draft SIP
- 10. Draft 2020 State and Federal Legislative Programs – review and provide input
(Page 45)
 - a. Staff Report
 - b. Attachment
- 11. Transportation Program Updates
 - a. Verbal updates on state, federal, Measure D, and other programs
- 12. 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy and 2022 Regional Growth Forecast Update – receive update (Page 55)
 - a. Memorandum, AMBAG
 - b. Attachment
- 13. 2045 Santa Cruz County Regional Transportation Plan - Goals, Policies, and Targets: review and provide input (Page 60)
 - a. Staff Report
 - b. Attachments
- 14. Next Meeting – The next ITAC meeting is scheduled for 1:30pm on February 20, 2020 in the SCCRTC Conference Room, 1523 Pacific Avenue, Santa Cruz, CA. ITAC meetings will be canceled if there are no action items to be brought before the committee.

Adjourn

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

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**Santa Cruz County Regional Transportation Commission
Interagency Technical Advisory Committee (ITAC)**

MINUTES

Thursday, November 21, 2019, 1:30 p.m.
SCCRTC Conference Room
1523 Pacific Ave., Santa Cruz, CA

ITAC MEMBERS PRESENT

Gus Alfaro, Caltrans District 5 Planning
Tim Bailey, County Public Works
Teresa Buika, UCSC
Piet Canin, Ecology Action
Athena Cheung, Scotts Valley Public Works
Murray Fontes, Watsonville Public Works and Planning proxy
Paul Hierling, Association of Monterey Bay Area Governments (AMBAG)
Kailash Mozumder (Vice Chair), Capitola Public Works
Pete Rasmussen, Santa Cruz METRO
Anais Schenk, County Planning
Chris Schneider, Santa Cruz Public Works and Planning proxy

Excused Absences: Claire Fliesler, Santa Cruz Planning; Wondimu Mengistu, Santa Cruz METRO

RTC Staff Present: Ginger Dykaar, Rachel Moriconi

Others Present: Russell Chen, County Public Works;
Joseph Londono, Caltrans District 5

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- 1. Call to Order:** Vice Chair Mozumder called the meeting to order at 1:35 p.m.
 - 2. Introductions:** Self introductions were made
 - 3. Oral Communications:** None
 - 4. Additions, deletions, or changes to consent and regular agendas:** Item 11 was taken ahead of Item 10 and Item 9 regarding Vancouver, B.C. transportation network was moved after Item 10. Gus Alfaro distributed the semi-annual SHOPP project list and Caltrans announcements for Item 7.

CONSENT AGENDA

The Committee unanimously approved a motion (Fontes/Schneider) approving the consent agenda, with all members present voting "yes".

- 5. Approved Minutes of the September 19, 2019 ITAC meeting**
- 6. Received AMBAG memorandum: Fixing America's Surface Transportation Performance Management Requirements and Target Setting**

REGULAR AGENDA

7. Status of Ongoing Transportation Projects

Capitola – Kailash Mozumder reported that the Brommer Street complete streets infill project (38th Ave. to 41st Ave.) design is nearly done and expected to go out to bid in Spring 2020; the Park Ave. sidewalk construction is expected to be completed by the end of the year; Clares St. traffic calming project (east of 41st Ave.) is scheduled to start construction in Spring 2020, with design going to the Elderly and Disabled Transportation Advisory Committee (E&D TAC) for review in December; encroachment and design work for 41st Ave. adaptive signal lights project – coordinating traffic signals on 41st Avenue through Highway 1 - continues.

County Public Works – Tim Bailey reported that the County is finishing several storm damage repair projects and going to bid on three more in December. The County is still working with FHWA to get extensions to federal reimbursement deadlines for several storm damage projects. The County is also planning to go to bid for the Soquel Drive/Aptos Creek Road signal. Russell Chen reported that they are working to coordinate the adaptive traffic signal project with Capitola for signal in the County from 41st Avenue to Soquel Village. The County is having a kick-off meeting for its active transportation plan on 12/3/19 and is expected to award a contract with a micromobility provider for bike share services from Santa Cruz city limits through Capitola.

County Planning – Anais Schenk reported that the County is working on the General Plan and code updates, and working to implement new state housing and SB743 requirements.

Santa Cruz – Chris Schneider reported that the City of Santa Cruz is repaving several arterials throughout the city including Broadway, California, Soquel and La Fonda. Construction of Safe Routes to Schools crosswalks is scheduled to start in December 2019. Construction of Segment 7, phase 1 of the Monterey Bay Sanctuary Scenic Trail Network (MBSST) is scheduled to start in December 2019.

Ecology Action – Piet Canin reported that Ecology Action (EA) is assisting the City of Santa Cruz on the GoSantaCruz Transportation Demand Management (TDM) program targeting downtown employees, including bicycle commuter workshops. EA is also helping prepare the draft Scotts Valley Active Transportation Plan and bicycle/walk safety plans for several areas.

Scotts Valley - Athena Cheung reported that paving projects are underway and the city awarded a contract for the Glenwood Preserve Trails project.

UCSC – Teresa Buika reported that UCSC is negotiating a contract with Jump Bike to expand the program onto campus.

Watsonville – Murray Fontes reported that the City of Watsonville's green bicycle lane project is in construction; City Council unanimously approved the Downtown Complete Streets Plan in October 2019; construction of the Green Valley Road Reconstruction project is nearly done; the city is conducting a pavement condition inspection of local roads; the city is opening bids for construction of the first phase of Segment 18 of the Monterey Bay Sanctuary Scenic Trail Network (MBSST) in December 2019; and bicycle route signage is being installed citywide.

Caltrans – Gus Alfaro distributed announcements about various Strategic Growth Council, U.S. DOT, and Cal Fire grant opportunities. He distributed the semi-annual list of SHOPP projects and highlighted some of the projects included on that and the list of projects included in the agenda packet, including the Highway 9 soldier pile wall, Highway 17/Pasatiempo shoulder widening, Highway 1 capital maintenance (CapM/paving), District-wide pedestrian crosswalks and signal upgrades, and Aptos to Santa Cruz ADA curb ramp replacement projects.

SCMTD – Pete Rasmussen reported that Barrow Emerson has retired; METRO is working with RTC on the rail corridor alternatives analysis; and METRO is providing input on the Capitola Mall redesign. He requested that agencies contact him to review proposals for bicycle facilities and other projects which could impact METRO bus stops.

RTC – Rachel Moriconi reported that the RTC has issued a Request for Proposals (RFP) to start environmental review and preliminary design for Highway 1 Auxiliary Lanes/Bus on Shoulder from Freedom Boulevard to State Park Drive. Pre-construction work continues on auxiliary lane projects between State Park Drive and Soquel Drive and the North Coast Rail Trail. The RTC approved updated Transportation Development Act (TDA) allocations in its November 7, 2019 budget amendment.

AMBAG – Paul Hierling reported that AMBAG is working on the 2045 Metropolitan Transportation Plan (MTP)/Sustainable Communities Strategy (SCS) policy element, with recommendations to be brought to the ITAC at its next meeting.

8. Programming Regional Transportation Funds

Rachel Moriconi reported on projects proposed and recommended for regional-shares of Regional Surface Transportation Program Exchange (RSTPX), State Transportation Improvement Program (STIP), Highway Infrastructure Program (HIP), and Local Partnership Program (LPP) funds. Proposals for funds are consistent with the RTC's September 5, 2019 direction. She suggested that project sponsors attend the December 5, 2019 public hearing in case questions come up on their projects. She noted that the \$350,000 in competitive Regional Surface Transportation Program Exchange (RSTPX) funds will be programmed separate from this process and she provided updates on \$100,000 in Measure D designated for Transportation Demand Management (TDM) programs aimed at reducing vehicle miles traveled and programming State Transit Assistance (STA) funds.

The ITAC unanimously approved a motion (Fontes/Schneider) recommending that the RTC approve city, county and METRO projects to receive Regional Surface Transportation Program Exchange (RSTPX) funds, as requested by project sponsors, and recommending that the RTC approve RTC regional projects to receive other state and federal State Transportation Improvement Program (STIP), Local Partnership Program (LPP), and Highway Infrastructure Program (HIP) formula funds for Highway 1 auxiliary lanes/bus on shoulders projects and Regional Planning, Programming, and Monitoring (PPM). All members present voted "yes."

11. District 5 SHOPP WebViewer and other online tools

Joseph Londono and Gus Alfaro presented Caltrans's new State Highway Operation and Protection Program (SHOPP) webviewer, noting that the webviewer includes information on planned projects and will allow local agencies to see the location of and coordinate with Caltrans on planned projects.

10. District 5 Active Transportation Plan – project lists

Gus Alfaro shared updates on the Caltrans District 5 Active Transportation Plan. District 5 is currently in the Network Analysis Phase, identifying gaps and barriers to pedestrian and bicycle movement on, across, and parallel to the State Highway System. This includes developing a list and map of projects that have been identified in local planning documents. He requested that local agencies submit information on planned projects. The list will be updated periodically. *(RTC staff subsequently emailed the Caltrans excel spreadsheet to ITAC members to use.)* The draft plan is expected to be available for review in early 2020, with the final plan expected to be complete in late Spring 2020.

9. Vancouver, B.C. Multimodal Transportation Network – presented after item 11

Ginger Dykaar presented information on Vancouver, B.C.'s multimodal transportation network, highlighting the significant reduction in motor vehicle trips into the downtown core, especially with the expansion of bus and rail transit services and bicycle facilities, such as separated bicycle paths.

12. Other Transportation Program Updates

Rachel Moriconi reported that the California Transportation Commission (CTC) held its first workshops on Active Transportation Program (ATP) cycle 5 guidelines and plans to have several more workshops throughout the state. She asked agencies to plan to attend the workshop tentatively scheduled for January 6 in Watsonville, with possible tour of some local projects and areas on January 7.

Ms. Moriconi encouraged agencies to submit applications for funding to prepare Local Road Safety Plans (LRSP), which will be required for future Highway Safety Improvement Program (HSIP) grants. (<https://dot.ca.gov/programs/local-assistance/fed-and-state-programs/highway-safety-improvement-program/local-roadway-safety-plans>)

Paul Hierling noted that AMBAG staff is tracking HCD grants, including grants for SB2 funds, and how "pro-housing" criteria is defined.

- 13. The next meeting is scheduled for 1:30pm on December 19, 2019 in the RTC Conference Room.** The meeting will be canceled if there are no action items to be brought before the committee.

Minutes prepared by: Rachel Moriconi, RTC Planner

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TO: Interagency Technical Advisory Committee (ITAC)
FROM: Rachel Moriconi, Senior Transportation Planner
RE: Programming Competitive Grant Funds

RECOMMENDATIONS

Staff recommends that the Interagency Technical Advisory Committee (ITAC) recommend that the RTC approve projects to receive up to \$350,000 in Regional Surface Transportation Program Exchange (RSTPX) funds, as follows:

- BikeSmart and WalkSmart: Youth Bike & Walk Safety Education (Ecology Action): \$50,000
 - Bike Challenge + to increase bike commuting (Ecology Action): \$200,000
 - Project PASEO - Open Streets Events, Earn-a-Bike, and Pop Up Bike Lane (Bike Santa Cruz County): \$100,000
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BACKGROUND

As the Regional Transportation Planning Agency (RTPA) for Santa Cruz County, the Regional Transportation Commission (RTC) is responsible for selecting projects to receive certain state, federal and local funds. These discretionary funds include regional shares of Regional Surface Transportation Program Exchange (RSTPX). RSTPX funds are available for a variety of transportation projects as set forth in federal and/or state guidelines. These include various public street and highway, bicycle and pedestrian, transit, transportation system management, and transportation demand management projects.

In September 2019, the RTC decided to program all but \$350,000 of the region's shares of RSTPX through FY20/21 by formula to cities, the County of Santa Cruz, and Santa Cruz Metropolitan Transit District (METRO). The RTC set aside \$350,000 for non-city, non-county, non-METRO entities, with projects to be selected through a competitive application process.

DISCUSSION

RSTPX Competitive Grants

The RTC received four applications in response to the call for projects for \$350,000 in competitive RSTPX funds. Staff considered project deliverability, consistency with the *Regional Transportation Plan* (RTP) goals, policies, and targets, consistency with RTC adopted plans, and federal and state criteria and guidelines when evaluating projects.

Staff recommends that the ITAC recommend that the RTC approve projects to receive competitive RSTPX grant funds, as summarized below.

Staff Recommendations for Competitive Funds

Implementing Agency	Project	Request	Recommended RSTPX
Bike Santa Cruz County	Project PASEO - Open Streets Events, Earn-a-Bike, and Pop Up Bike Lane	\$100,000	\$100,000
Ecology Action	Bike and WalkSmart: Youth Bike & Walk Safety Education	\$50,000	\$50,000
Ecology Action	Bike Challenge + to increase bike commuting	\$200,000	\$200,000
Trail Now	Trail platform on top of railroad tracks at Antonelli Pond	\$79,087	\$0
Total		\$429,087	\$350,000

A summary of the proposals are included as Attachment 1. Applications are online at: <https://sccrtc.org/funding-planning/project-funding/2020-rstpx-competitive-grants/>

The RTC set aside up to \$350,000 for competitive grants, but could also decide to not fund some of these projects, fund projects at lower amounts, or only fund some components of projects. Any unprogrammed amounts would be held in reserve and could be used on these or other projects in the future.

Staff does not recommend funding the Trail Now platform on the railroad tracks project at Antonelli Pond at this time. If the RTC were to fund the platform on the railroad tracks project, the RTC or another agency with a Master Agreement with Caltrans would have to agree to serve as the lead agency responsible for ensuring all state and federal mandates are met, significant logistical challenges would need to be resolved with the federal, state, and local railroad agencies and regulators. Since the proposal is not consistent with the adopted Monterey Bay Sanctuary Scenic Trail Network Master Plan and due to significant unknowns regarding the cost and feasibility of this type of project, staff determined that time is better spent delivering the existing planned trail projects.

While University of California at Santa Cruz (UCSC) decided not to apply this cycle due to the small pot of funds and their focus on implementing other projects in the next two years, the University submitted a letter to the RTC expressing interest in applying for RSTPX funds in future cycles. Similarly, Santa Cruz Metropolitan Transit District (METRO), Community Bridges, and other entities have expressed interest in future RTC-discretionary funds.

Next Steps

The RTC will consider staff and committee recommendations and take action on the final program of projects at its February 6, 2020 meeting. The Bicycle Committee and Elderly and Disabled Transportation Advisory Committee (E&D TAC) reviewed proposals for these funds at their December 2019 meetings and recommend that the RTC approve funds for projects, as listed in this staff report. The Bike Committee and E&DTAC will review and provide input on project designs/plans prior to final project implementation.

SUMMARY

The RTC is responsible for selecting projects to receive certain state and federal funds, including state Regional Surface Transportation Program Exchange (RSTPX) funds. Staff recommends that the ITAC review proposed projects and recommend that the RTC approve projects to receive these funds.

Attachment:

1. Summary of RSTPX Competitive Grant Applications Received

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Summary of RSTPX Competitive Grants Applications Received

Full applications are online at:

<https://sccrtc.org/funding-planning/project-funding/2020-rstpx-competitive-grants/>

Project PASEO: Bike Santa Cruz County

RTC Staff Recommendation: Up to \$100,000

1. **Project Title:** Project PASEO (Positive Active Transportation Safety Education Opportunities)
Proyecto PASEO (Positivo Transportación Activo Seguridad Educación Oportunidades)

2. **Description: Open Streets, Earn-a-Bike and Pop-Up Bike Lane**

Open Streets are free annual public events that temporarily transform roadways into parks for people to bike, walk, skate, and play in a safe and festive environment by temporarily diverting automobile traffic.

The Earn-a-Bike program is a free, seven week educational and recreational program providing bikes, tools, and safety supplies to middle school students, and instructing them in the basics of bike repair, cycling safety, and nutrition education. Teen mentors support program implementation for younger participants, encouraging biking and healthy eating behavior.

A Pop-Up Bike Lane is a temporary demonstration of a protected bike lane. A temporary demonstration is a pilot project and therefore easier for Public Works staff and the community to support. It also provides an opportunity for the community to experience and provide input as to whether a permanent installation is of interest.

3. **Summary of Project Purpose, Need, Benefits:**

Santa Cruz County has a disproportionately high rate of bicycle and pedestrian injuries and fatalities, ranking among the worst for all California counties. Bike Santa Cruz County has been supporting efforts to get local governments to adopt Vision Zero policies towards reducing all traffic-related serious injuries and deaths to zero. Providing our community members of all ages with multiple opportunities for learning how to walk and bike safely is a distinct public health and safety need. Open Streets, Earn-A-Bike and Bike Club programs, and Pop-Up/ Demonstration Protected Bike Lanes all benefit active transportation awareness, safety and confidence in communities and for community members.

Benefits of comprehensive Project PASEO: The combined effect of these three different programs, with the common goal of promoting active transportation. By instilling confidence in bike handling and bike maintenance skills, and experiencing cycling in safe locations, Project PASEO programs build structure and reduce barriers to cycling for daily trips, increasing quality of life and supporting positive health outcomes for youth and their families in disadvantaged communities, and creating the next generation of bicycle advocates.

4. **Additional information on components of work plan**

Open Streets:

- RSTPX requested: \$50,000
- Total cost: \$112,079
- Schedule: 2 events in Watsonville - summer 2020 & spring 2021, 2 events in Santa Cruz - Fall 2020

& 2021, New TBD location - est. Spring 2021

- Estimated users: 30,000 participants over the course of 5 events
- Benefits:
 - promote physical activity and health
 - promote a culture of bicycling and walking
 - foster community, civic pride and quality of life
 - increase safety and access to the roadway for users of all ages, abilities and modes

Earn-A-Bike Programs:

- RSTPX requested: \$30,000
- Total cost: \$71,470
- Schedule: Feb 2020 Planning - June 2021 last workshop
- Estimated users: 15 middle school students, and 5 high school students each session (3 sessions, 7 weeks each)
- Benefits:
 - Remove barriers to cycling for youth by providing bicycles to youth, teaching bicycle safety practices and basic bicycle mechanic skills
 - Utilize a Peer-Mentor model to build community connectedness, build confidence for high school and middle school youth, build bikes, and build a youth advocacy base in these communities.
 - Youth in Santa Cruz County are disproportionately burdened by, and at risk for, diabetes and obesity, with 49% of Latino youth and 24% percent of white youth in Santa Cruz County outside the California Department of Education's "healthy fitness zone"
 - Biking can promote healthy lifelong fitness habits and provide a fun and convenient means of meeting recommended physical activity guidelines

Protected Bike Lanes

- RSTPX requested: \$20,000
- Total cost: \$57,308
- Schedule: February 2020 – June 2021
- Estimated users: Live Oak - up to 150 cyclists per day; Watsonville - up to 100 cyclists per day
- Benefits:
 - Temporarily demonstrate what a protected bike lane is in order to encourage expansion of protected bicycle lanes throughout Santa Cruz County
 - Increase safety due to the physical separation, rather than just paint, between cyclists and motorists.
 - Increase bike ridership

Bike Challenge +: Ecology Action

RTC Staff Recommendation: \$200,000

1. **Project Title:** Bike Challenge + - a gateway to increased bike commuting
2. **Description:** The Bike Challenge + is an evolution of the Bike to Work is Every Day pilot program which catalyzed and propelled an increase in frequent bike commuting throughout Santa Cruz County. Based on the pilot success and lessons learned, version 2.0 will utilize an online tracking and encouragement platform (either Love to Ride or Ride Amigos) that leverages regular participant rewards, friendly competition and team support/encouragement. The twice-a-year Monthly Bike Challenge and year-round encouragement tools will target all commuters in Santa Cruz County. The Challenge + also includes bike commuter workshops, a Rail Trail Ride, marketing campaign, incentives and data/survey collection all geared toward increasing daily bike commuting.
3. **Summary of Project Purpose, Need, Benefits:** The Bike Challenge + is designed to shift more people to choose the bike for transportation and to increase the frequency of those who currently bike commute. As local jurisdictions build more and better bike infrastructure—such as the Rail —there is a need to create the bike social infrastructure of support and encouragement to get more people on bikes for every day transportation. Benefits include reduced commute and regular drive alone car trips therefore reducing VMT, GHG emissions & other tailpipe pollution, safer, less congested and more livable streets.

4. Additional information on components of work plan

- RSTPX requested: \$200,000
- Total cost: \$362,000
- Schedule: January 2020-December 2021
- Estimated daily users: 1685

Project components:

- **Two Month-long Bike Challenges:** High visibility month-long Bike Challenges in May and September. EA will utilize an online platform that engages, motivates, tracks and rewards bike commuter and transportation trips. EA will engage at least 1,300 participants from 80 work sites throughout the county. EA will target large employers and communities from a variety of locations, from south to north county.
- **12-month Targeted Encouragement:** Ongoing engagement and encouragement using variety of direct channels – including commuter workshops, bike rides and direct one-on-one outreach -- to motivate at least 1,900 Challenge participants to keep bike commuting year-round. EA will provide demographically specific, bike commuter essentials tool kits to prepare participants for commuting throughout the year.
- **10 bike commuter/safety workshops (five per year):** These direct to commuter workshops focus on safety, commuter gear/resources, bike routes and other essential information to give participants the information, skills and confidence to bike in traffic. EA's League of American Bicyclists certified instructors utilize video, slides, and interactive presentations to educate participants, including best practice skills for operating ebikes, JUMP bikes and for sharing and using the Rail Trail. Targets: new and intermediate cyclists to teach them how to safely and confidently navigate busy roads and paved trails. Workshops will be split between community events at high-profile sites and include lunch time and evening workshops at geographically diverse locations across the County.

- **Host Rail Trail Ride (one in 2021):** Community bike ride and pop-up event on the Westside of Santa Cruz to directly promote and engage the community in making the best use of the newly opened section of the Rail Trail.
- **Survey and Data collection (one baseline and least one follow up survey for each participant):** Collection of both baseline and follow-up survey data to measure the impact of the Challenge + and evaluate the impact of new bike infrastructure such as the Westside Rail Trail. EA will work with RTC staff to design survey questions, analysis and timeline.
- **Incentives:** Randomly selected Challenge participants will be receive rewards to motivate the greatest number of riders throughout the year.
- **Marketing:** Design and implement a marketing campaign based on a needs assessment of new and intermediate riders. The campaign will use a variety of media channels such as social media, original content, photographs and videos, digital graphics/art, monthly e- newsletters, ads, news stories, and on street promo. This campaign will increase awareness and engagement to maximize the number of Challenge participants and move them to adopting bike commuting as a daily habit.

Bike and WalkSmart: Youth Bike & Walk Safety Education: Ecology Action
RTC Staff Recommendation: \$50,000

1. **Project Title:** Bike and WalkSmart: Youth Bike & Walk Safety Education
2. **Description:** Walk Smart and Bike Smart program provides 2nd graders pedestrian safety training and 5th graders bicycling safety training throughout Santa Cruz County. This proposal will allow us to teach bike and walk safety to 860 second and fifth graders at some 22 classrooms over the 2-year grant period.
3. **Summary of Project Purpose, Need, Benefits:** Increase safe and regular biking and walking to school by elementary students. Young students lack the knowledge and skills to safely bike and walk to school and other frequent destinations. This program will provide the training to give these students the tools to be safe and frequent active transportation users.
4. **Additional information on components of work plan**
 - RSTPX requested: \$50,000
 - Total cost: \$56,000
 - Schedule: February 2020-December 2021
 - Estimated users: 860 2nd and 5th graders

Project components:

- **Bike Smart:** 50-minute classroom presentation followed by a separate 50-minute on-bike training session/ bicycle safety obstacle course (aka bike rodeo) with 5th graders. The on-bike session is preceded by an in-class reminder of previous lesson and followed by a lessons-learned summary. Bike Smart classroom presentations use a variety of mediums - live demonstrations, animations, videos and discussion - to teach safety behavior to students. Lessons cover the benefits of bicycling, rules of the road, the importance and correct use of a bicycle helmet, choosing safe routes, safely navigating intersection crossings, being visible, and other safe bike-handling topics. Students are quizzed on their knowledge of bicycle safety both before and after completion of the Bike Smart program, to measure program effectiveness.
- **Walk Smart:** This program is also structured with a classroom and 'walk around the block' field session, which requires 2nd graders to walk through a series of exercises including stopping, looking both ways, and crossing the street only when it is free of oncoming vehicles. The training is preceded by either classroom or assembly presentations. The programs utilize bilingual and bicultural staff, coordinate with law enforcement, and provide targeted educational handouts.
- This proposal will move EA closer to reaching every 2nd and 5th grader with essential walk and bike safety education trainings that will help meet RTC's Safe Routes to School goals while providing our youth with skills for adopting life long active transportation habits.

Platform on railroad tracks to provide a transportation trail- Trail Now

RTC Staff Recommendation: \$0

Staff does not recommend RSTPX funds for this project. Using state or federal funds and addressing permit and other challenges would require significant RTC staff time.

5. Project Title: Platform on railroad tracks to provide a transportation trail

6. Description:

- Design and engineer a platform that is placed on top of the existing railroad tracks to be used as transportation trail
- Platform designed to be removed to allow use of railroad tracks when required.
- Fabricate a platform section as a proof of concept for future implementation along corridor
- Proof of concept platform will allow for cost and regulatory assessments for extended trail platform system
- Conduct public-outreach with platform
- Provide cost estimate to build standard platform for expansion across Santa Cruz Coastal Corridor (Railroad)
- Final permanent location of platform at Antonelli Pond crossing for improved public access
- Report to RTC on platform

7. Summary of Project Purpose, Need, Benefits:

- Lower cost approach for narrow sections of coastal corridor
- Reduce tree and brush cutting requirements
- Allow for wetlands to remain intact and environmentally-sensitive areas
- Increase public access to coastal corridor
- Support long-term trail and transit plans for Santa Cruz County
- Support Railroad and California Transportation Commission (CTC) requirements
- Reduce deterioration of transportation resource
- Enable community to use the coastal corridor for active transportation today

8. Additional information on components of work plan

- RSTPX requested: \$ \$79,087
- Total cost: Grant application says \$89,334
- Schedule: December/2019 to August/2020
- Estimated users: Not available

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PROJECTS UNDER CONSTRUCTION									
	Project	Location Post Mile (PM)	Description	Construction Timeline	Construction Cost	Funding Source	Project Manager (Resident Engineer)	Contractor	Comments
1.	Santa Cruz 1 CAPM and Bridge Rails (1C85U)	In and near Santa Cruz from North Aptos up to Jct. Route 9 PM (10.2 to 17.5)	Pavement Rehabilitation, ADA Curb Ramps, Guardrail/Barri er rail/Bridge	June 2, 2019 – May 2020	\$19 million	SHOPP	Luis Duazo	Granite Construction Company Watsonville, CA	Construction is underway and scheduled for completion in Fall 2020.
2.	Highway 9 Spring Creek Road Soldier Pile Wall (1K140)	Near Boulder Creek at Spring Creek Road (PM 15)	Construct Soldier pile wall restore roadway and facilities, place water pollution control BMPs, erosion control	Summer 2019	\$2.8 million	SHOPP	Doug Hessing	Gordon N. Ball, Inc. Alamo, CA	Construction is scheduled to be completed by Winter 2020.
3.	Highway 9 Shoulder Widening, Guardrail Upgrades, and Center Rumble Strips (1C650)	North of Boulder Creek to south of SR 35 (PM 22.1-23.8)	Shoulder widening, guardrail upgrades, and center rumble strips	March 18, 2019	\$7.7 million	SHOPP	Doug Hessing	Granite Construction Company Watsonville, CA	Construction started March 18, 2019 and is scheduled to be completed December 2020.
4.	Highway 17 Pasatiempo Shoulder Widening (1C670)	South of Pasatiempo overcrossing (PM 0.2/0.5)	Shoulder widening and soil nail wall	Spring 2019- Summer 2020	\$5.7 million	SHOPP	Luis Duazo	Graniterock Company Watsonville, CA	Retaining wall construction has begun and project is scheduled to be substantially complete by Summer 2020.
5.	Highway 17 North Route 17 CAPM (1F760)	Scotts Valley from just north of the Granite Creek Road over- crossing to SCL (PM 6.0/12.5)	Maintenance pavement overlay	Spring 2019	\$19 million	SHOPP SB-1	Doug Hessing	Granite Construction Company, Watsonville, CA	Construction is underway and is scheduled to be completed by Spring 2020.

PROJECTS UNDER CONSTRUCTION (Cont'd.)

	Project	Location Post Mile (PM)	Description	Construction Timeline	Construction Cost	Funding Source	Project Manager (Resident Engineer)	Contractor	Comments
6.	Pedestrian Signal Upgrades (1G160)	Various Locations: Highways 1, 9, 17, 129, and 152	Install Accessible Pedestrian Signal (APS)	January 2020 – Summer 2020	\$ 1.8 million	SHOPP	Mike Lew	Crosstown Electrical & Data, Inc	The project was awarded to Crosstown Electrical & Data, Inc and is scheduled to begin early in 2020.

PROJECTS IN DEVELOPMENT

	Project	Location Post Mile (PM)	Description	Construction Timeline	Estimated Construction Cost	Funding Source	Project Manager	Phase	Comments
7.	Highway 1 Soquel Creek Scour Protection (1H480)	In Capitola at Soquel Creek Bridge (PM 13.3)	Bridge preventative maintenance – Place scour protection	Winter 2022	\$2.2 million	SHOPP	Luis Duazo	PA&ED	
8.	TMS Detection Repair (1H990)	Various locations throughout District 5 along SRs 1, 17, 68, 156, 101 (PM Various)	Replace failed TMS Detection	Summer 2020	\$451,000	SHOPP SB-1	Brandy Rider	PS&E/RW	Project is in Design.
9.	Highway 1/ Highway 17 Ramp Safety Improvements (1H060)	From the fishhook to Pasatiempo overcrossing (PM 16.7)	Construct ramp safety improvements	May 2020	\$5.8 million	SHOPP	Luis Duazo	PS&E/RW	

PROJECTS IN DEVELOPMENT (Cont'd.)

	Project	Location Post Mile (PM)	Description	Construction Timeline	Estimated Construction Cost	Funding Source	Project Manager	Phase	Comments
10.	Highway 1 Davenport Culvert Replacement (0J200)	Near Davenport and south of Waddell Creek Bridge (PM 31.9/35.7)	Replace culverts	Fall 2021	\$3.6 million	SHOPP SB-1	Doug Hessing	PA&ED	Project is in preliminary Design and environmental phase.
11.	SCr 9 South Drainage and Erosion Control Improvements (1F920)	From SR 1 and 9 to slightly north of Glen Arbor Road (PM 0.0/8.5)	Upgrade drainage systems and stabilize slopes	Fall 2020	\$2 million	SHOPP	Doug Hessing	PS&E/RW	Project is in Design.
12.	Highway 9 PM 1.0 and 4.0 Viaduct (1K120)	Near SCr north of Vernon Street (PM 1/1)	Construct side-hill viaduct restore roadway and facilities, place Water Pollution Control BMPs, erosion control	Fall 2022	\$9.9 million	SHOPP	Doug Hessing	PA&ED	Project is in preliminary Design and Environmental phase.
13.	SCr 9 Upper Drainage and Erosion Control Improvements (1G950)	In Boulder Creek from Holiday Lane to just south of Ben Lomond to the SR 236/9 Junction (PM 8.5/25.5)	Upgrade drainage and erosion control	Spring 2023	\$5.4 million	SHOPP	Doug Hessing	PA&ED	
14.	Highway 9 San Lorenzo River Bridge and Kings Creek Bridge Replacement (1H470)	Near Boulder Creek, at San Lorenzo River Bridge and at Kings Creek Bridge (PM 13.6/15.5)	Replace bridges	Summer 2022	\$12 million	SHOPP SB-1	Doug Hessing	PA&ED	Project is in preliminary Design and Environmental phase.

PROJECTS IN DEVELOPMENT (Cont'd.)

	Project	Location Post Mile (PM)	Description	Construction Timeline	Estimated Construction Cost	Funding Source	Project Manager	Phase	Comments
15.	Highway 9 Hairpin Tieback (1K130)	Near Boulder Creek about 1.1 miles south of the SR 236/9 Junction (PM 19.97)	Soldier Pile Tieback Retaining Wall	Spring 2021	\$2.6 million	SHOPP	Doug Hessing	PA&ED	Storm Damage Repair
16.	Highway 17 Wildlife Habitat Crossing (1G260)	From Laurel Road to just north of Laurel Road (PM 9.442-9.692)	Construct wildlife undercrossing	2020	\$5.6 million	SHOPP	Aaron Henkel	PS&E/RW	Project is in design and on schedule.
17.	Highway 129/ Lakeview Road Intersection Improvements (1G990)	Near Watsonville, at Lakeview Road (PM 1.4)	Construct roundabout and improve street lighting	2020	\$4.5 million	SHOPP	Luis Duazo	PS&E/RW	
18.	Highway 152 Corralitos Creek ADA (05- 1F620)	Near Watsonville, East of Beverly Drive to Holohan / College Road (PM1.9 to R2.0)	Construct Accessible Pathway	Spring 2022	\$3.4 million	SHOPP	Mike Lew	PA&ED	Project is currently at 50% complete for the PA&ED stage.
19.	Crosswalks and Pedestrian Safety Enhancements (1G760)	Various Locations: Highways 1, 9, 129, and 152 (Note: Project also includes six locations in Monterey County, on Routes 68 and 183)	Install Electrical / Signs / Markings / Pavement	Fall/Winter 2019	\$900,000	SHOPP	Ken Dostalek	PS&E	Project is at 100% PS&E. Targeting to advertise late November and approve construction contract beginning Feb. 2020. SCR 1 @ PM 18.8 (Laurent Street) SCR 9 @ PM 6.39 (near Kirby Street) SCR 9 @ PM 9.51 (Main Street) SCR 129 @ PM 0.23 (near SR1) SCR 152 @ PM T3.161 (Marchant Street) Targeting RTL in late November and approve construction contract beginning of Feb 2020

PROJECTS IN DEVELOPMENT (Cont'd.)									
	Project	Location Post Mile (PM)	Description	Construction Timeline	Estimated Construction Cost	Funding Source	Project Manager	Phase	Comments
20.	Santa Cruz 1 CAPM and Bridge Rails (1C85U)	In and near Santa Cruz from North Aptos up to Jct. Route 9 PM (10.2 to 17.5)	Pavement Rehabilitation, ADA Curb Ramps, Guardrail/Barrier rail/Bridge	January 2019 - June 2023	\$19 million	SHOPP	Luis Duazo	PS&E/RW	1C85U combines two projects 1C850 and 1F520 for construction. Ten Accessible Pedestrian Signal (APS) locations also added to 1C85U. These APS locations are being removed from 1G160
21.	Highway 236 Heart Hill Wall (1M450)	Near Boulder Creek (PM 5.4)	Install engineered fill and restore roadway	2022/2023	\$1.8 million	SHOPP	Doug Hessing	PID	Project is just kicking off PID phase.

ACRONYMS USED IN THIS REPORT:

ADA	Americans with Disabilities Act
CEQA	California Environmental Quality Act
CMAQ	Congestion Mitigation Air Quality
CMIA	Corridor Mobility Improvement Account
CTC	California Transportation Commission
ED	Environmental Document
EIR	Environmental Impact Report
PA&ED	Project Approval and Environmental Document
PM	Post Mile
PS&E	Plans, Specifications, and Estimates
RW	Right of Way
SB1	Senate Bill 1, the Road Repair and Accountability Act of 2017
SCL	Santa Clara County Line
SHOPP	State Highway Operation and Protection Program
SR	State Route
STIP	State Transportation Improvement Program
TMS	Traffic Management System



PROGRAMMED/FUNDED SHOPP PROJECTS
in Santa Cruz County
January 2020 Semi-Annual List

Route	Post Miles	EA Project Identifier	PPNO	Project Description	Project Name	Current Project Phase	Ready to List (Target/Actual)	Contract Acceptance (Target Date) Anticipated end of construction	Project Manager Phone # Email	SB-1 Funds	Cost (\$1,000) CON/RW
Programmed in 17/18 FY											
17	6.0/12.6	1F760 0514000051	2538	In and near Scotts Valley, from north of Santa's Village Road to the Santa Clara County line. Pavement rehabilitation. *SB1	North Route 17 CAPM	CON	6/14/2018 (A)	11/25/2020	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	Yes	\$13,130 Award/\$7
1	10.2/17.5; VAR	1C85U 0518000156	2432	Near the city of Santa Cruz, from North Aptos Underpass to Route 9. Rehabilitate pavement (1C850); Near the city of Santa Cruz, on Routes 1 and 17 at various locations. Bridge rail replacement and upgrades (1F520). *SB1 Project 1C850 was combined with 1F520 for construction into 1C85U.	SCR-1 Pavement Overlay & Santa Cruz Bridge Rails	CON	12/07/2018 (A)	7/7/2020	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	Yes	\$25,177 Award/\$19
9	22.1/23.8	1C650 0512000185	2418	In Castle Rock State Park, from 5 miles south to 3.3 miles south of Route 35. Widen shoulders, replace guardrail and construct centerline rumble strips.	Hwy 9 Shoulder Widening, Guardrail Upgrades, and Center Rumble Strips	CON	6/21/2018 (A)	12/14/2020	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$3,743 Award/\$20
152	1.3/R2.0	1E020 0513000025	2464	In Watsonville, from Wagner Avenue to Holohan Road. Construct pedestrian infrastructure.	SCR 152 ADA	CON	6/21/2018 (A)	12/19/2019	Mike Lew 805-549-3227 mike.lew@dot.ca.gov	No	\$1,536 Award/\$195
17	0.2/0.5	1C670 0512000194	2422	Near the city of Santa Cruz, from southbound exit ramp to Route 1 to entrance ramp from Pasatiempo Drive. Widen shoulder and construct retaining wall.	Pasatiempo Shoulder Widening	CON	6/27/2018 (A)	1/2/2020	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	No	\$5,916 Award/\$181
VAR	VAR	1K240 0518000141	2888	In Monterey, Santa Cruz, San Benito, San Luis Obispo and Santa Barbara Counties on various routes at various locations. Repair electrical systems. EFA 05A2102. (Project in MON, SCR, SBT, SLO and SB counties.)	Electrical Repair Work	CON	N/A	N/A	Berkley Lindt 805-549-3315 berkley.lindt@dot.ca.gov	No	\$314/\$0
Programmed in 18/19											
236	3.8/17.1	1K600 0518000226	2912	In Santa Cruz County from 0.3 mile west of China Grade Road to 0.6 mile west of Junction Route 9 / Waterman's Gap, remove slide material, repair slopes and restore roadway EFA 05A2180.	Repair Slip Outs	CON	N/A	N/A	Berkley Lindt 805-549-3315 berkley.lindt@dot.ca.gov	No	\$800 Award/\$10
VAR	VAR	1G160 0514000118	2590	In Santa Cruz County, on Routes 1, 9, 17, 129, and 152 at various locations. Install Accessible Pedestrian Signals (APS).	Santa Cruz County APS	CON	1/11/2019 (A)	10/2/2020	Mike Lew 805-549-3227 mike.lew@dot.ca.gov	No	\$1,042 Award/\$11
1	R0.0/R8.1	1C980 0513000021	2452	In Santa Cruz and Monterey Counties, from south of Salinas Road to south of Larkin Valley Road Undercrossing. Construct maintenance vehicle pull outs, repairing guardrail, improve gate access and relocate irrigation equipment. (Project in MON; some work in SCR.)	MON SCR Roadside Safety	CON	03/12/2019 (T)	11/12/2020	Carla Yu 805-549-3794 carla.yu@dot.ca.gov	No	\$4,742 Award/\$5
17	0.7/1.4	0Q601 0514000145	1989Y	In Santa Cruz, from 0.7 mile north of Route 1/17 Separation to Beulah Park Undercrossing. Landscape mitigation for 0Q600.	Hwy 17 Storm Water Mitigation Landscape Split	CON	03/29/2019 (A)	4/13/2023	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$427 Award/\$0
VAR	VAR	1G310 0514000140	2595	In Monterey, Santa Cruz and San Benito counties, on various routes at various locations. Replace and install advance curve warning signs. (Project in MON; also in SCR & SBT Counties)	Warning Sign Upgrades	CON	06/14/2019 (A)	9/8/2020	Barak Miles 805-549-3821 barak.miles@dot.ca.gov	No	\$1,132 Award/\$48

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PROGRAMMED/FUNDED SHOPP PROJECTS in Santa Cruz County

Route	Post Miles	EA Project Identifier	PPNO	Project Description	Project Name	Current Project Phase	Ready to List (Target/Actual)	Contract Acceptance (Target Date) Anticipated end of construction	Project Manager Phone # Email	SB-1 Funds	Cost (\$1,000) CON/RW
Programmed in 19/20											
Var	Var	1M190 0519000079	3002	In Santa Cruz and Monterey Counties at 3 Locations repair damaged drainage facilities <i>EFA Contract 05A2212. (Project in MON SCR.)</i>	Repair Drainage Systems.	CON	N/A	N/A	Berkley Lindt 805-549-3315 berkley.lindt@dot.ca.gov	No	\$500/\$10
Var	Var	1M620 0520000040		In Monterey, Santa Cruz, and San Benito Counties modify traffic signal locations for PSPS retro-reflective enhancements, Signal Ahead signs and Pavement Markings <i>EFA Contract Pending. (Project in MON, SBT, SCR)</i>	PSPS High Priority Signals - North	CON	N/A	N/A	Berkley Lindt 805-549-3315 berkley.lindt@dot.ca.gov	No	\$900/\$0
17	3.56	1M200 0519000082		In Santa Cruz County on Route 17 at Glen Canyon Rd. UC 36-0067 replace median barrier, repair bridge deck closure slab, and repair roadway surface. <i>EFA Contract Pending.</i>	Glen Canyon Road UC Median Barrier	CON	N/A	N/A	Berkley Lindt 805-549-3315 berkley.lindt@dot.ca.gov	No	\$580/\$0
9	15	1K140 0518000127	2875	In Santa Cruz County on Route 9 near Boulder Creek at Spring Creek Road. Construct Soldier Pile Retaining Wall, restore roadway and drainage facilities, install permanent erosion control.	PM15 Soldier Pile Wall	CON	02/15/2019 (A) 11/24/2019 (T)	04/01/2020 4/26/2022	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$1,594 Award/\$3
1, 8, 68, 129, 152, 183	VAR	1G760 0515000101	N/A	On various routes in Monterey and Santa Cruz counties at various locations. Electrical/Signs/Markings/Pavement. <i>(Project in MON & SCR. Counties)</i>	North District Crosswalk Enhancements	PS&E/RW	06/14/2019 (A)	9/8/2020	Ken Dostalek 805-549-3133 ken.dostalek@dot.ca.gov	No	\$1,250/\$3
1, 17	16.7/16.7, 0.3/0.3	1H060 0516000020	2636	In and near Santa Cruz, from 0.1 mile south of Route 1/17 Separation to 0.4 mile south of Pasatiempo Overcrossing; also on Route 17 (PM 0.0/0.3). Realign southbound Route 17 connector to southbound Route 1.	Pasatiempo II	PS&E/RW	11/15/2019 (T)	7/1/2021	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	No	\$5,811/\$658
VAR	VAR	1H990 0517000047	2735	In various counties, on various routes and at various locations. Replace and upgrade existing detection field elements for the Traffic Management System (TMS). <i>(Project in MON, SBT, SCR, SLO and SB counties)*SB1.</i>	TMS Detection Repair.	PS&E/RW	6/08/2020 (T)	6/22/2021	Amy Donatello 805-549-3014 amy.donatello@dot.ca.gov	Yes	\$3,200/\$21
9	0.1/7.5	1F920 0514000075	2569	In and near the city of Santa Cruz, from Route 1 to north of Fall Creek Drive. Stormwater improvements.	SCR 9 South Drainage and Erosion Control Improvements	PS&E/RW	5/4/2020 (T)	11/1/2021	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$2,024/\$86
129	1.4	1G990 0516000010	2625	Near Watsonville, at Lakeview Road. Construct roundabout and improve street lighting.	129/Lakeview Intersection Project	PS&E/RW	6/1/2020 (T)	9/1/2022	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	No	\$4,481/\$749
VAR	VAR	1H040 0516000015	2634	In Monterey County and Santa Cruz Counties, on Various Routes and locations. Replace overhead signs. <i>(Project in MON; some work in SCR.)</i>	Box Beam Overhead Signs	PS&E/RW	06/12/2020 (T)	10/5/2021	Aaron Henkel 805-549-3084 aaron.henkel@dot.ca.gov	No	\$1,132/\$0

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PROGRAMMED/FUNDED SHOPP PROJECTS in Santa Cruz County

Route	Post Miles	EA Project Identifier	PPNO	Project Description	Project Name	Current Project Phase	Ready to List (Target/Actual)	Contract Acceptance (Target Date) Anticipated end of construction	Project Manager Phone # Email	SB-1 Funds	Cost (\$1,000) CON/RW
Programmed in 20/21											
9	19.97/19.97	1K130 0518000126	2876	In Santa Cruz County near Boulder Creek about 1.1 mile south of Junction 236/9. Construct Soldier Tieback Retaining Wall.	PM 19.97 Hairpin Tieback Route 9	PS&E/RW	11/13/2020 (T)	10/6/2022	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	TBD	\$3,621/\$11
VAR	VAR	1G960 0516000006	2628	In Santa Barbara County, San Luis Obispo, Monterey and Santa Cruz Counties on Routes 1, 101, 129, 135, 156 and 246 at various locations. Install Accessible Pedestrian Signal (APS) push buttons, Countdown Pedestrian Signal (CPS) heads, pedestrian barricades, and crosswalk signage to improve pedestrian and bicycle safety. (Project in MON, SCR, SLO and SB counties).	Pedestrian Signals #2	PS&E/RW	4/20/2021 (T)	11/30/2022	Mike Lew 805-549-3227 mike.lew@dot.ca.gov	No	\$1,928/\$16
17	9.1/9.9	1G260 0514000131	2593	Near Scotts Valley, from 0.06 miles south of Laurel Road to 0.25 miles north of Laurel Road. Construct wildlife undercrossing. SHOPP Financial Contributions \$3,155 for PA&ED, PS&E and R/W only. Local contributions to fund remaining components.	Wildlife Habitat Crossing	PS&E/RW	2/8/2021 (T)	7/13/2023	Aaron Henkel 805-549-3084 aaron.henkel@dot.ca.gov	No	\$2,210 Vote/\$138
1	31.9/35.7	0J200 0512000069	1967	On Route 1 in Santa Cruz county near Davenport and south of Waddell creek from PM 31.9 to 35.7. Replace Culverts. *SB1.	Davenport Culvert Replacement	PA&ED	4/12/2021 (T)	9/22/2023	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	Yes	\$8,205/\$262
Programmed in 21/22											
1	13.31	1H480 0516000079	2736	In Capitola, at Soquel Creek Bridge No. 36-0013. Place Rock Slope Protection (RSP) to protect bridge foundation.	Soquel Creek Scour Protection	PA&ED	7/1/2021 (T)	9/29/2023	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$2,228/\$546
9	10.8/10.8	1K060 0518000115	2847	In Santa Cruz County near Brookdale, south of Western Avenue. Construct side hill viaduct extension with cutoff retaining wall, restore roadway and facilities, and install permanent erosion control.	Viaduct Wall Extension	PA&ED	7/1/2021 (T)	8/29/2023	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$3,280/\$60
17	8.2/8.2	1K070 0518000117	2852	In Santa Cruz County near Scotts Valley at 0.5 miles south of Sugarloaf Road. Construct rock fence / barrier at Jarvis Slide.	Jarvis Slide Rock Fence	PA&ED	12/31/2021 (T)	1/5/2023	Aaron Henkel 805-549-3084 aaron.henkel@dot.ca.gov	No	\$4,271/\$50
9	13.6/15.5	1H470 0516000078	2655	Near Boulder Creek, at San Lorenzo River Bridge No. 36-0052 (PM 13.61) and Kings Creek Bridge No. 36- 0054 (PM 15.49). Replace bridges to maintain standards of safety and reliability.*SB1.	San Lorenzo River Bridge & Kings Creek Bridge Replacement	PA&ED	1/24/2022 (T)	3/27/2026	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	Yes	\$11,928/\$660
9	8.5/25.5	1G960 0516000005	2627	In Santa Cruz County, near Ben Lomond, from Holiday Lane to 4.7 miles north of the northern junction of Routes 236/9. Replace failed culverts systems and construct energy dissipaters.	Santa Cruz 9 Upper Drainage and Erosion Control Improvements	PA&ED	3/29/2022 (T)	3/10/2025	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$5,361/\$271
152	1.9/R2.0	1F620 0514000039	2530	In Santa Cruz County, near Watsonville, from 0.1 mile east of Beverly Drive to Holohan Road/College Road. Construct pedestrian bridge next to the Corralitos Creek Bridge, concrete barrier, retaining wall, curb, gutter and sidewalk to meet ADA standards.	Corralitos Creek ADA	PA&ED	4/1/2022 (T)	10/4/2023	Mike Lew 805-549-3227 mike.lew@dot.ca.gov	No	\$3,205/\$247
9	1.0/1.0	1K120 0518000125	2874	In and near the city of Santa Cruz, north of Vernon Street; also south of Glengarry road (PM 4.0). Construct sidehill viaducts, restore roadway and facilities, provide erosion control.	PM 1.0 and 4.0 Viaduct	PA&ED	04/04/2022 (T)	7/15/2025	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$9,917/\$46

(A) = Actual date RTL was achieved.

Minor A Projects

Note: Construction Award or Vote costs are actuals; otherwise Construction costs are estimates.

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Caltrans Announcements for TAC - Week of January 6, 2020

SB 1 projects improve transportation for motorists, bicyclists and pedestrians (released Dec. 19, 2019)

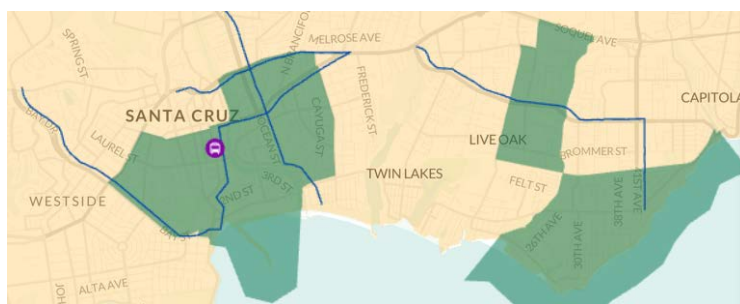
- The California Transportation Commission recently allocated more than \$200 million for 27 fix-it-first highway projects and \$42 million for 43 transit, bike and pedestrian projects partially funded by Senate Bill 1, the Road Repair and Accountability Act of 2017.
- The SHOPP projects will replace or improve statewide: 305 lane miles, 27 bridges, 204 congestion-reducing devices and repair 32 culverts to prevent highway flooding.
- Bicycle and pedestrian projects range from improving sidewalks and bicycle lanes to creating safer routes for children biking or walking to school.
- Additionally, more than \$21 million of SB 1 funding was allocated to the Local Partnership Program to help match road and transit investments made through the regional voter-approved transportation tax measures.
- SB 1 invests about \$5 billion annually to fix roads, freeways and bridges statewide and supports transit. More information: <https://dot.ca.gov/news-releases/news-release-2019-085>

NHTSA News – Reduced roadway fatalities in 2019 (released Dec. 20, 2019)

- Last year, highway crash fatalities decreased 2.2 percent nationwide compared to the first nine months of 2018, according to the National Highway Traffic Safety Administration's preliminary data.
- An estimated 26,730 people died in motor vehicle traffic crashes through Sept. 30, making the third quarter of 2019 the eighth consecutive year-to-year quarterly decline in fatalities since late 2017.
- Vehicle miles traveled increased about one percent—or 24 billion miles—in the first nine months of 2019.
- Dangerous actions continue to plague drivers such as speeding, distractions and driving under the influence of drugs or alcohol.
- Policies, research and actions committed to sustained safety efforts are needed from local, state and federal governments as well as highway safety partners, schools and communities dedicated to reducing fatalities on our nation's roadways. More information: <https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/812874> & <https://www.nhtsa.gov/press-releases/roadway-fatality-reduction-nine-months-2019>

US DOT News – Interactive map encourages investment in under-served communities (released Jan. 6, 2020)

- The U.S. Department of Transportation recently released a new interactive map highlighting federal investment in major infrastructure projects located in and around *Opportunity Zones*—or economically distressed, low-income communities.
- The 2017 federal Tax Cut and Jobs Act created a new economic development tool called Opportunity Zones, which aims to encourage further investments in these locations.
- The zones are designated by each state's Governor and certified by the U.S. Secretary of the Treasury.
- The interactive map features the following data sets:
 - Major federal highway projects
 - Interstate exits
 - National Highway System bridges
 - Intercity bus and commuter/light rail stations
 - Amtrak (stations, industrial properties)
 - Intermodal rail and marine facilities
 - Major ports and airports
 - National Highway System (*blue lines*)
 - Rail sidings
- More information: <https://www.transportation.gov/opportunity-zones/opportunity-zones-interactive-map> & <https://www.transportation.gov/briefing-room/us-department-transportation-unveils-interactive-map-encourage-investment-underserved>



Call for Projects: FTA 5311 Formula, 5311 (f) Discretionary & Rural CMAQ (released Dec. 20, 2019)

- The Caltrans Division of Rail and Mass Transportation recently announced the Call for Projects regarding 5311 Formula, 5311 (f) Discretionary, and Rural CMAQ federal funds.

- The federal funds, provided through the FAST Act, support projects enhancing public transportation in rural areas.
- California's annual estimated apportionment for the programs, include the following:
 - 5311 Formula - \$22.9 million
 - 5311 (f) Intercity Bus Program - \$4.9 million
 - CMAQ – No amount listed
- Applications are due to Caltrans by **Wednesday, Feb. 12, 2020**. More information: <https://dot.ca.gov/-/media/dot-media/programs/rail-mass-transportation/documents/f0009986-contacts-a11y.pdf>

US DOT News – New program to modernize rural freight rail (released Dec. 20, 2019)

- The U.S. Department of Transportation recently announced a new pilot program expediting long-term, low-cost loans for America's short line and regional freight railroads.
- The Railroad Rehabilitation and Investment Financing Express (RRIF) program reduces the time and costs for securing loans to modernize freight rail infrastructure and provides up to \$26 million nationwide in additional financial support.
- The Build America Bureau will administer the new program supporting economic activity and improving the safety, capacity and reliability of the critical freight transportation sector.
- Short line and regional railroads operate more than 47,000 route miles in the U.S.
- Letters of Interest will be accepted from **January 12, 2020 through April 11, 2020**. More information: <https://www.transportation.gov/briefing-room/us-secretary-transportation-elaine-l-chao-launches-new-program-modernize-rural-freight>

US DOT News – Input sought on proposed drone rule

- The U.S. Department of Transportation seeks public input on a proposed rule requiring remote identification of Unmanned Aircraft Systems, commonly called drones.
- Equipping drones with remote identification technologies would better support the FAA and drone industry's move toward a traffic management ecosystem for UAS flights complementing the current air traffic management system.
- The proposed Remote ID rule would apply to all drones required to register with the FAA (excluding recreational drones weighing less than 0.55 pounds) and persons operating foreign civil UAS in the U.S.
- Comments are due to the FAA by **March 2, 2020**.
- For the proposed rule and more information: <https://www.federalregister.gov/documents/2019/12/31/2019-28100/remote-identification-of-unmanned-aircraft-systems> & <https://www.transportation.gov/briefing-room/us-department-transportation-issues-proposed-rule-remote-id-drones>

CalSTA News – Call for Projects: 2020 Transit and Intercity Rail (released Oct. 21, 2019)

- The California State Transportation Agency is offering an estimated \$450-\$500 million statewide for projects reducing greenhouse gas emissions and benefitting disadvantaged communities by expanding public transportation ridership and capacity.
- Funding is provided through the 2020 Transit and Intercity Rail Capital Program (TIRCP).
- Funding will be distributed proportionately between Fiscal Years 2020/21 to 2024/25
- Application deadline is **Thursday, Jan. 16, 2020**. For the final guidelines, call for projects and more information: <https://calsta.ca.gov/press-releases/2019-10-21-agency-issues-final-rail-transit-guidelines>

Strategic Growth Council (SGC) News – Call for Projects: Climate Change Research (Round 3) (released Nov. 15, 2019)

- The California Strategic Growth Council is offering \$4.75 million statewide for projects:
 - Supporting and protecting vulnerable communities from climate change impacts
 - Accelerating and supporting transitions to climate smart communities
 - Integrating land use, conservation and management into the state's climate change programs
 - Integrating climate vulnerability and adaptation needs with mitigation efforts
 - Addressing social dimensions of change
- Proposed projects must include at least one funded non-academic partner in the budget, iterative engagement and an outreach and communications strategy.
- A webinar on the grant program is planned in December 2019 (no specific dates/times listed yet).
- Deadline to submit applications to SGC is **Wednesday, Feb. 12, 2020**. For the Notice of Funding Availability and more information: <http://sgc.ca.gov/news/2019/11-15.html>.

Santa Cruz Region TAC -January 2020

Web Articles: website information

Article: Future transportation in urban infrastructure	https://www.bosch.com/stories/future-transportation-in-urban-infrastructure/?WT.mc_id=7511_CS_OB_RTA_NA_USA_FL2_Ratti_V1&wtg_mcPub=KSBY&dicbo=v1-d4e367501a06ba6cf2bfcad7514cf05e-00b3c3abf71a65276672e727a5b1aa2202-he3dgzrqgvqwmlldmm4tsljumjtdkljzmm2wkllgmezdggy3egi4tiyzumm
California Planning and Development Report	http://www.cp-dr.com/articles/cpdr-news-briefs-december-31-2019
FHWA: Planning, Environ. & Research	https://www.fhwa.dot.gov/hep/hep_research/newsletter/winter_2019/
FHA: Corridor Measurement Tool	Alternative Fuels Corridor Measurement Tool : The Federal Highway Administration (FHWA), in coordination with Department of Energy's National Renewable Energy Laboratory (NREL), has developed a corridor measurement tool to aid State and local officials in analyzing alternative fuel corridors in their State or region. The tool can be found on the Alternative Fuels Data Station (AFDC) website. The tool can be used to measure the driving distance along Interstate highways between stations that meet the criteria for the various fuels included under FHWA's Alternative fuels Corridor Program . For further information or technical assistance with using the tool – please contact Johanna Levene at Johanna.Levene@nrel.gov or Matt Rahill at Matt.Rahill@nrel.gov .
Caltrans Milemarker- Winter Edition FY19/20	https://dot.ca.gov/programs/public-affairs/mile-marker/winter-2019-2020

TO: Interagency Technical Advisory Committee
FROM: Guy Preston, Executive Director
RE: DRAFT 2020 Measure D – Strategic Implementation Plan (SIP)

RECOMMENDATIONS

Staff recommends that the Interagency Technical Advisory Committee (ITAC):

1. Provide input on the draft 2020 Measure D Strategic Implementation Plan (SIP) (available online www.sccrtc.org/measured), scheduled to be adopted at the February 6, 2020 RTC meeting.
-

BACKGROUND

On November 8, 2016, the voters of Santa Cruz County approved Measure D (the Ordinance) enacting a retail transaction and use tax dedicated to making transportation improvements in the county. The Ordinance includes an Expenditure Plan and a requirement that the Santa Cruz County Regional Transportation Commission (RTC), in its role as the Measure D Authority, allocate, administer, and oversee the expenditure of all Measure Revenues which are not directly allocated by formula to other agencies through an Implementation Plan, which it will update at least every 5 years, following a public hearing.

Approximately 53% of the Expenditure Plan is not directly allocated by formula to other entities, which includes the following regional projects and programs:

- Highway Corridors
- San Lorenzo Valley (SLV) – Highway 9 Corridor
- Highway 17 Wildlife Crossing
- Active Transportation – Coastal Rail Trail
- Rail Corridor

The Ordinance also requires that each agency receiving Measure Revenues adopt, after a public hearing, a five-year program of projects (Five-Year Plan), including information about each of the projects to be funded with Measure Revenues allocated according to the Expenditure Plan. Five Year Plans are updated annually. RTC conducted public hearings and adopted the first three (3) Five-Year Plans for regional projects and programs on June 1, 2017, June 14, 2018, and June 6, 2019.

The Independent Oversight Committee, established by the RTC in accordance with the Ordinance, reviews the annual independent fiscal audits from recipient agencies showing expenditures of the Measure D funds and issues an annual report on its finding regarding compliance with the requirements of the Expenditure Plan and the

Ordinance. The first annual report for Fiscal Year (FY)16-17 (partial) and FY17-18 was accepted by the Commission on June 6, 2019. Annual audits and expenditure reports are due from recipient agencies December 31st each year. Staff is currently reviewing the reports on FY19/20 expenditures.

DISCUSSION

As stated in the Ordinance, the purposes of the Implementation Plan are to define the scope, cost, and delivery schedule of each Regional project or program, detail the revenue projections and possible financing tools needed to deliver the Expenditure Plan within the 30 years promised to the voters, and describe the risks, critical issues and opportunities that the Authority should address to expeditiously deliver the Expenditure Plan.

With the adoption of Five-Year Plans for Regional projects and programs, the Commission has laid the foundation of how it plans to commence the delivery of the Expenditure Plan in the shorter term. The Commission has provided additional direction regarding the delivery of priority investments, including how certain discretionary funding should be allocated to regional projects. RTC has contracted with KNN Public Finance to provide information on potential Measure D financing options to accelerate implementation of the Expenditure Plan, and assistance in the preparation of the inaugural Strategic Implementation Plan (SIP). KNN provided a presentation on financing options at the Commission meeting on June 27, 2019.

Although Measure D provides significant funding for delivering the Regional investments identified in the Expenditure Plan, it is not intended or necessary to fully fund all investments. Therefore, it is important that Measure D funds be used strategically to help leverage significant additional Federal, State, and local funds to maximize the buying power of Measure D. Leveraging is therefore a central theme of the draft 2020 SIP, as discussed in the SIP's approach (Chapter 3), policies (Chapter 4), and Fact Sheets (Chapter 6). RTC is in an excellent position to compete for grant funds, especially Senate Bill (SB1) funds, as the Measure D expenditure plan fits well within the guidelines of many of these grant programs.

To maximize delivery of all regional programs and projects, the RTC has programmed Measure D to position projects for these grant opportunities by completing the pre-construction phases of projects and providing matching funds for those grants. Although financing options, including issuing revenue bonds, were considered, staff determined that there is enough program-wide pay-go capacity available to meet the commitments made in the previously adopted regional Five-Year Plans. Staff has therefore utilized the Five-Year Plans to develop a 30-year Cash Flow Model, showing only a couple of inter-investment category loans from the Highway Corridor to the Active Transportation and Highway 17 Wildlife Crossing categories. Loans will be paid back with interest as discussed in Policy 4.4 and shown in Chapter 5 (Cash Flow Model). Some of the Five-Year Plans have been updated based on actions proposed by the Commission and are provided in the Appendix 2 of the draft SIP.

Since the Measure D Cash Flow Model of the SIP only shows Regional Projects programmed in the Five-Year Plans (through FY23/24), there is significant future

programming capacity for regional programs and projects over the 30-year life of the measure. Using updated revenue projections, staff estimates that over \$407 million will be available for future programming of regional investments. This funding will be allocated as part of the adoption of future regional Five-Year Plans and future updates to the SIP. Depending on the delivery timing of pre-construction phases and the amount of funding leveraged from grants, the Commission may consider additional financing options as a tool to further advance delivery in the future.

The draft SIP also includes Fact Sheets (Chapter 6) for program and project investments included in the Measure D regional Five-Year Plans. As additional programming occurs, Fact Sheets will be updated and added as part of subsequent SIP updates. Although the Measure only requires that an Implementation Plan be updated at least every 5-years, staff anticipates updating the 2020 SIP in 2022, which would correspond well with the anticipated delivery schedule of several key projects, as well as the grant cycle of several key SB1 grant programs.

Input on Draft SIP

The RTC is currently soliciting input on the draft SIP. The draft SIP was released for public review on Friday, December 20, 2019, with a public hearing scheduled for 10:00 a.m. at the RTC's January 16 board meeting. **Staff recommends that the ITAC provide input on the draft SIP at this meeting.** While we encourage the ITAC to review all sections of the SIP, ITAC members may be especially interested in:

- Section 3.2.4: Updated sales tax revenue forecasts ([Attachment 2](#))
- Section 3.5: Regional programs/projects which ITAC member agencies may be involved in implementing
- Policy 4.15: Delivery Management and RTC Oversight For Regional Programs and Projects ([Attachment 3](#))
- Appendix 3: Request for Cooperative Agreement (RCA) for Measure D regional programs or for projects ([Attachment 4](#))
- A copy of the existing compliance reports and master agreements for funds which are directly allocated to cities, the County, METRO, and Community Bridges are included in the appendix.

Next Steps

The RTC is scheduled to adopt the final 2020 Measure D Strategic Implementation Plan, at the February 6, 2020 RTC meeting. Any additional comments received by January 28, 2020 will be included in the February 6th RTC meeting packet. Comments received after January 28th, but by noon on February 5th, will be distributed at the February 6th RTC meeting.

FISCAL IMPACT

The programming shown in the draft 2020 SIP is consistent with the voter-approved Measure D Expenditure Plan and within the projected capacity of the Measure, as shown in the Cash Flow Model (Chapter 5). Future budgets, including any amendments to the FY19-20 budget determined necessary, will be prepared in accordance with the programming of the Final 2020 SIP.

SUMMARY

The RTC is responsible for preparing an Implementation Plan for Measure Revenues which are not directly allocated by formula annually to other agencies. Staff recommends that the ITAC provide input on the draft 2020 Measure D Strategic Implementation Plan.

Attachments:

1. Draft 2020 Measure D Strategic Implementation Plan (SIP) – *available online at: www.sccrtc.org/measured*
2. Section 3.2.4: Updated sales tax revenue forecasts
3. Policy 4.15: Delivery Management and RTC Oversight For Regional Programs and Projects
4. Appendix 3: Request for Cooperative Agreement (RCA) for Measure D regional programs or for projects

CHAPTER 3 – GENERAL APPROACH

3.2.4 – Sales Tax Revenue Forecast

As stated at the start of this Section 3, Measure D sales tax revenues estimated in the Expenditure Plan were forecast in constant dollars and estimated to generate \$500 million through March 31, 2047. Sales tax collections began in April 1, 2017, representing one quarter of Fiscal Year 2016-2017 data. The full first year of collections was in Fiscal Year 2017-2018. The final year of collection in FY 2046-2047 will represent a partial year collection as the Measure D tax sunsets on March 31, 2047.

A conservative approach is taken in this initial forecast of future revenues to ensure that planning and programming stays within future available resources. The actual economy has been better than expected from when Measure D was being developed, and as shown in Table 3-5 below actual revenues have outperformed the \$17 million annual figure estimated in the Expenditure Plan. However, on the heels of an extended period of economic expansion, the forecast has been carefully considered given the potential of a near-term economic contraction, necessitating a conservative approach to forecasting annual growth from actual Measure D base values.

3.2.4.1 Short-Term Forecast (Fiscal Years 2019-20 through 2023-24)

When posed the question of the timing and depth of a future recession, most economists believe the US is overdue an economic correction based on historical trends. The 2020 and 2021 calendar years appear to have the broadest consensus, although experts disagree on the timing and length of a recession. As to the negative degree a recession may have on the economy, many believe it will be just a relative slowdown especially when compared to the Great Recession.

Table 3-5: Forecasted Measure D Revenues

Fiscal Year	Measure D Sales Tax Revenues	Growth Factor	
2017-18	\$21,391,907	NA	Actual
2018-19	\$21,819,341	2.0%	
2019-20	\$21,372,188	-2.0%	Short-Term Forecast
2020-21	\$21,450,173	0.4%	
2021-22	\$21,657,018	1.0%	
2022-23	\$21,898,796	1.1%	
2023-24	\$22,222,765	1.5%	

Following the first two years of actual Measure D Revenues, HdL estimates a 2.0% decline in Fiscal Year 2019-20 for two reasons. First, a slowdown in spending occurs in sectors such

as autos/transportation and general consumer goods; fuel prices are expected to decline next year as well. Second, a portion of Fiscal Year 2018-19 revenues included 'double up' payments from the last two quarters of Fiscal Year 2017-18; this temporary delay came from the California Department of Tax and Fee

Administration's implementation of a new computer system to process taxpayer's sales tax returns.

Tax revenues return to increases in Fiscal Year 2020-21 and reflect 0.4% growth; the subsequent three fiscal years gains of 1.0%, 1.1% and 1.5% demonstrates a steady return of consumer confidence and stability.

3.2.4.2 Long-Term Forecast (Fiscal Years 2024-25 through 2046-47)

An expected normalized transaction and use tax growth trend has been applied for the out years of the Measure D forecast. The long-term growth potential appears positive. Outer year growth will be impacted by employment levels, wages, and the ongoing challenge of affording single and multi-family housing across the County. Thus, future population, housing and job growth may further support improved revenue projection estimates through the end of Measure D in March 2047.

Beginning in FY 2024-25, Measure D transaction and use tax revenues are forecasted to grow at an annual rate of 1.6%. This average annual growth rate is below the long-term average growth rates of the historical data trends discussed previously, underscoring the cautious nature of the initial Measure D revenue forecast.

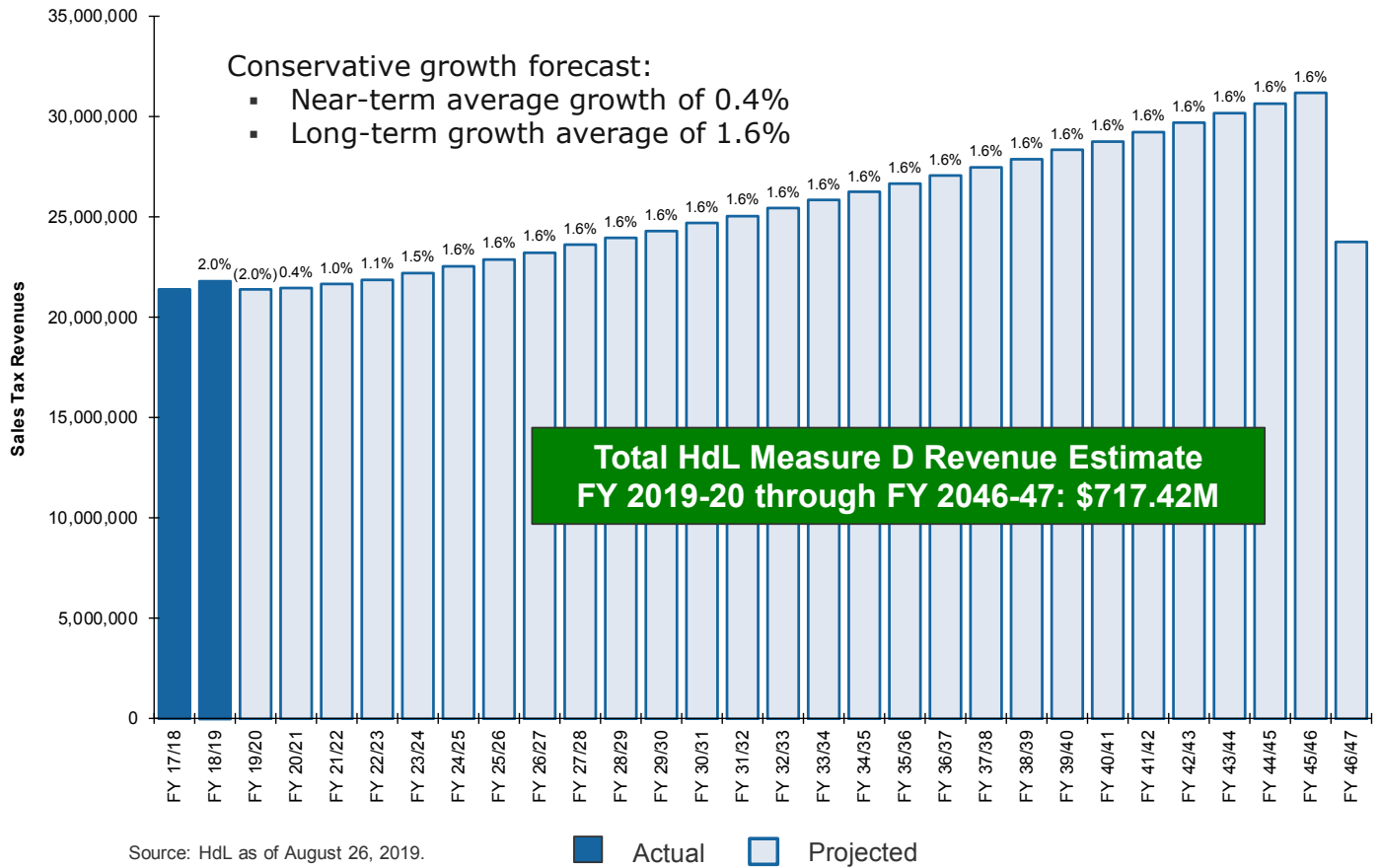
Table 3-1: Comparison of Long-Term Growth Averages

Historical Data Metric	Historical Period	Average Growth Factor
Taxable Sales	Since CY 1997 (21-YRS)	2.76%
1% Sales & Use Tax (Bradley-Burns)	Since FY 2006-07 (12-YRS)	1.83%
0.25% Transactions & Use Tax (Measure R)	Since FY 2011-12 (7-YRS)	4.42%
Measure D Long-Term Forecast:		1.60%

Overall, combining the short-term and long-term outlook for Measure D, the total Measure D revenue is expected to be approximately \$778.7 Million. After RTC administration and California Department of Tax and Fee Administration (CDTFA) fees, the total expected allocation to Expenditure Plan investment categories is approximately \$754.4 Million.

Figure 3-1

**Santa Cruz County RTC – Measure D Sales Tax Revenue Projection
HdL Extended Sales & Use Tax Budget Estimate as of August 2019**



4.15 Delivery Management and RTC Oversight for Regional Programs and Projects

Although RTC is responsible for programming Measure D Regional Programs and Projects (Chapter 3.5) and managing the Cash Flow Model for Measure D (Policy 4.2), RTC can, by cooperative agreement with a local agency (Policies 7 & 12), agree to have a local agency sponsor or implement all or part of a Regional Program or Project. The RTC has an obligation to ensure that local agencies are delivering Regional Programs and Projects in accordance with the Measure D Expenditure Plan, as well as any federal, state, regional, or local requirements.

RTC's Executive Director will assign an RTC representative to each project who will serve as the Project Delivery Manager (PDM). The PDM could be an employee or a consultant to the RTC. The PDM will work with local jurisdictions who have agreed to sponsor or implement all or part of a Regional Program or Project, in order to resolve issues that may arise throughout the various phases of project delivery. The PDM is responsible for reviewing the project at major milestones. It is expected that the PDM will work in partnership with the project sponsors to facilitate communications and speed delivery.

The purpose of the RTC review is four-fold: 1) to review the project to ensure that the objectives and purpose of the project are consistent with the original purpose of the project programmed in the Measure D Strategic Implementation Plan; 2) to ensure consistency with Strategic Implementation Plan policies and guidelines; 3) to monitor and assist with meeting project delivery milestones; and 4) to ensure any project in the Santa Cruz Branch Rail Line (SCBRL) right-of-way meets any applicable federal, state, and regional requirements for work on this RTC owned and managed property.

The following section summarizes the review and approval process required for Regional Programs or Projects implemented by a local jurisdiction.

RTC REVIEW DURING PROJECT APPROVAL AND ENVIRONMENTAL DOCUMENT (PAED) PHASE

The RTC may be designated as either the lead agency, a responsible agency or a cooperating agency according to the California Environmental Quality Act (CEQA). For this reason, in addition to performing project reviews, the RTC's PDM will be involved in the environmental process for Measure D projects as follows:

1. The implementing agency shall consult with the PDM on the type of document proposed to meet CEQA compliance;
2. The implementing agency shall provide the PDM with a Notice of Preparation if an Environmental Impact Report (EIR) is the type of CEQA document;

3. The implementing agency shall provide the PDM with the opportunity to comment on the project;
4. The implementing agency shall provide the PDM with the opportunity to review proposed mitigation measures;
5. The implementing agency shall provide the PDM with an opportunity to comment on the administrative draft environmental document and should advise the PDM if there are project delivery risks associated with the results of the environmental analysis; and
6. The implementing agency shall provide responses to the PDM's comments on the environmental document or proposed mitigation measures.

RTC REVIEW DURING DESIGN PLANS SPECIFICATONS AND ESTIMATES (PS&E) PHASE

RTC has identified four (4) stages of design reviews.

Conceptual design review (35% PS&E)

This review is to occur once the conceptual alternatives have been identified, and prior to the start of final design. The environmental document could be under preparation, but not final, since the intent of this review is to evaluate different alternatives and their impacts.

RTC will review scope of the project, consistency with Measure D policies and the Ordinance, and identify concerns regarding significant cost components of the project. The schedule and budget will be reviewed, and the schedule and phasing of the remaining reviews will be developed.

65% PS&E

The Level I review will be at a stage in design where a project alternative has been adopted, and the details of the project have been initially defined for the following components of the project: right-of-way acquisition, easements, and disposition; utility relocations; drainage; wetlands and other environmental issues; need for permit applications; and value engineering decisions.

95% PS&E

The Level II review will be at a stage when most of the details of the final design have been finalized. In particular, the review will focus on the following components of the project: right-of-way acquisition, easements, and disposition; drainage; utility relocations; draft utility agreements; signing and striping plans; landscaping; preliminary construction staging; environmental permit applications; environmental mitigation needed; and preliminary estimates.

Final design review (100% PS&E)

When the plans, specifications and estimates (PS&E) are complete, a review by the PDM will be performed to verify that all components from the previous reviews

have been addressed and that the project construction cost estimate is compatible with the Strategic Implementation Plan. This review is required prior to advertising the project for construction bids.

INFORMATION PROVIDED BY THE PROJECT SPONSOR'S PM PRIOR TO ANY DESIGN REVIEW

To provide for an adequate review, it is important to have materials available prior to the review. The following materials are requested by the project sponsor at least one week prior to any of the design reviews:

1. Project Schedule – Beginning and completion dates for the following activities:
 - Conceptual Engineering studies;
 - Environmental Document;
 - Design stages and RTC design review times (35%, 65%, 95%, Final)
 - Right-of-Way Engineering and Acquisition;
 - Permits;
 - Utility Relocations;
 - Advertisement; and
 - Construction.
2. Project Estimate - A detailed breakdown of the project cost estimate, escalated to the year of construction.
3. Financial Plan – Proposed revenue sources and amounts (by development phase and fiscal year), including shortfalls and proposed revenue sources. Any required match of Measure D funds must be clearly identified.
4. Engineering Plans, Reports, and Specifications – any applicable plans, reports and specifications appropriate for the type of review.
5. Summary response to issues raised by the PDM in previous reviews.
6. Summary of compliance with applicable mitigation measures.

The material should offer enough detail to provide the PDM with an adequate perspective to aid them in their review. The implementing agency should provide the PDM at least four (4) weeks to perform their review.

The project sponsor's staff or consultant will meet with the RTC's PDM to describe the current status of design and any issues that are critical to understanding the project.

CALTRANS REVIEWS

Project Sponsors are responsible for working with Caltrans to assure preparation

and submittal of all documents that may be required by Caltrans, such as the Project Study Report (PSR)/Initial Project Report (IPR), the Project Report (PR), environmental documentation, right-of-way certification, and PS&E. Wherever possible, the Sponsor should attempt to combine these reports, such as the combined PSR/PR.

RTC REVIEW DURING RIGHT OF WAY PHASE

The project sponsor is responsible for identifying real property needs, such as property acquisitions, clearance and demolition, property easements, rights to enter, and relocations of affected parties and businesses as part of the right-of-way process. Real Property acquisition and associated relocation of affected parties must be conducted consistent with the requirements of state law, and the federal "Uniform Acquisition and Relocation Assistance Act." In addition, the project sponsor will identify utility relocations needed for the project, including a determination of the liability for cost. The project sponsor will enter into utility agreements necessary to ensure the timely relocation of affected utilities as part of the right-of-way phase of project development. Finally, the right-of-way process will include entering into agreements for the acquisition of off-site environmental mitigation needed for the project.

The project sponsor should communicate with the PDM throughout the right of way process. Once the project design is at least 65% complete, the project sponsor shall provide a detailed estimate of the right-of-way cost of the project. At that point, the sponsor shall also provide a detailed schedule for completion of all right-of-way activities for the project. Proposed right of way acquisition and the potential for parcels to be excess to the Measure D project will be evaluated as part of the design review process described above. If issues regarding excess land extend beyond the design stage of the project, the project sponsor will meet with the PDM, as necessary to resolve such issues.

Any special circumstances regarding ownership of property excess to the Measure D project, or acquisition of property that will not be used for the Measure D project should be resolved early. With respect to disposal of property excess to the Measure D project, the proponent should consult with the PDM in order to determine the most cost effective and efficient time for the disposal, in order to get the highest possible return on the investment for the Measure D program. Unless the RTC makes an exception, the project sponsor shall dispose of any property excess to the Measure D project within five years following completion of the project, or prior to sunset of the Measure D program. In some cases, this may mean that the sponsor accepts a less than optimal price, with the agreement of the RTC. In any case, the project sponsor shall advise the PDM of its plans for disposition at the completion of the project.

RTC REVIEW DURING CONSTRUCTION PHASE

After bidding the construction contract, the PDM will be provided a summary of

the funding used for the award of the construction contract. The PDM will be invited to attend the initial pre-construction meeting and any standing progress meetings with the Contractor. Attendance at construction meetings with the Resident Engineer and Contractor will be at the discretion of the PDM and based upon the complexity of the project. Regardless of attendance at meetings, the PDM will be permitted to review any design changes and be available as a resource to address issues and problems that arise during the construction phase. The PDM shall be provided copies of contract change orders (CCOs) and associated tracking logs, as requested. The project sponsor shall get the PDM's written concurrence on any CCOs that increase the scope of the project, beyond the project description set forth in the Measure D Expenditure Plan. At least 30-days before completion of the construction project, the implementing agency shall notify the RTC to perform a field review. The implementing agency shall resolve all comments provided by the PDM, prior to acceptance of the Construction contract.

DRAFT 2020 Measure D SIP – Appendix: Request for Coop Agreement

Request for Cooperative Agreement (RCA)

The purpose of this Request for Cooperative Agreement (RCA) is to gather necessary information to prepare a Cooperative Agreement for Measure D regional programs or for projects to construct, maintain or provide artwork for a portion of the Monterey Bay Sanctuary Scenic Trail (MBSST), along the Santa Cruz Branch Rail corridor.

Is there an existing agreement for this project? ☐ YES ☐ NO

Project Information

Project Location (City/County): _____

MBSST Segment(s) _____

Milepost Begin _____

Nearest Grade Crossing _____

Milepost End _____

Nearest Grade Crossing _____

Project Description:

Will a telecommunication conduit be installed by either or both parties? ☐ RTC ☐ Local Agency

Agreement Type

- ☐ Preliminary Engineering/Environmental Clearance
- ☐ Plans, Specification, and Estimate
- ☐ Right of Way
- ☐ Construction
- ☐ Maintenance
- ☐ Artwork Installation

DRAFT 2020 Measure D SIP – Appendix: Request for Coop Agreement

RTC Information

Project Manager Name: _____ Title: _____
Address: _____
Office Phone: _____ Direct: _____
Mobile (Optional): _____ Email: _____
Signatory for RTC – Name: _____ Title: _____

Local Agency Information

Is there more than one Local Agency involved with the project? ☐ YES ☐ NO
Complete the below information for each Local Agency and attach to this RCA

Local Agency Name: _____
Project Manager Name: _____ Title: _____
Address: _____
Office Phone: _____ Direct: _____
Mobile (Optional): _____ Email: _____

Billing Contact Information (if different from above)

Billing Manager Name: _____ Title: _____
Address: _____
Office Phone: _____ Direct: _____
Mobile (Optional): _____ Email: _____

Signatory for Local Agency – Name: _____ Title: _____
Attest for Local Agency – Name: _____ Title: _____
Attorney for Local Agency – Name: _____ Title: _____

DRAFT 2020 Measure D SIP – Appendix: Request for Coop Agreement

Responsibilities

Sponsor(s) – Responsible for fully funding all commitments under this agreement. If there are cost overruns, sponsor(s) will be responsible for seeking additional funding or to reduce the scope of the project.

If more than one sponsor, indicate the percent distribution. The total sum must equal 100%.

- ☐ RTC _____ %
- ☐ Local Agency 1 _____ %
- ☐ Local Agency 2 _____ %

Implementing Agency – Responsible for managing the scope, cost, and schedule.

	RTC	Local Agency 1	Local Agency 2
Preliminary Engineering/Environmental Clearance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Plans, Specification, and Estimate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Right of Way	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Maintenance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Art Installation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Environmental and Permits

Environmental Clearance:

CEQA Lead _____ Type of document anticipated ☐ CE ☐ IS ☐ EIR
NEPA Lead _____ Type of document anticipated ☐ CE ☐ EA ☐ EIS

Which resource agency permits are anticipated for the project?

- ☐ U.S. Army Corps of Engineers 404
- ☐ Regional Water Quality Control Board 401
- ☐ Regional Water Quality Control Board
- ☐ State Waste Discharge Requirements (PC)
- ☐ Waste Discharge (NPDES)
- ☐ U.S. Fish and Wildlife Service (Section 10 FESA)
- ☐ U.S. Fish and Wildlife Service (Section 7 FESA)
- ☐ U.S. Fish and Wildlife Service (Section 7 BO)
- ☐ NOAA/NMFS (EFH)
- ☐ NOAA/NMFS (Section 7 FESA)
- ☐ NOAA/NMFS (Section 7 BO)
- ☐ U.S. Coast Guard Permit
- ☐ Coastal Development Permit
- ☐ Local Agency Concurrence/Permit
- ☐ Department of Fish and Game 1602
- ☐ Department of Fish and Game 2080.1
- ☐ Department of Fish and Game 2080(B)
- ☐ Air Quality Permit
- ☐ Other Permits _____

DRAFT 2020 Measure D SIP – Appendix: Request for Coop Agreement

Maintenance

Describe the maintenance arrangement required as a result of the project:

Scope Summary

What work will be done and in this agreement and who will be doing it? Check boxes below.

If any activities are shared, check all appropriate parties and define the arrangement in the notes section below.

	Project Delivery Activity Description	RTC	Local Agency 1	Local Agency 2	N/A
PRELIM ENGR/ ENVIRONMENTAL CLEARANCE	PERFORM PRELIMINARY ENGINEERING STUDIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PERFORM ENVIRONMENTAL STUDIES AND PREPARE DRAFT ENVIRONMENTAL DOCUMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	CIRCULATE DRAFT ENVIRONMENTAL DOCUMENT AND SELECT PREFERRED PROJECT ALTERNATIVE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FINAL DESIGN (PS&E)	PREPARE BASE MAPS AND PLAN SHEETS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	STRUCTURES GENERAL PLANS AND PRELIMINARY DESIGN DATA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PREPARE DRAFT PS&E	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	OBTAIN PERMITS FROM RESOURCE AGENCIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	MITIGATE ENVIRONMENTAL IMPACTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PERFORM SOIL ASSESSMENT WORK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NOTIFY COUNTY ENVIRONMENTAL HEALTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	REVIEW DRAFT AND FINAL PS&E PACKAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PREPARE FINAL PS&E PACKAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	CONTRACT BID DOCUMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
RIGHT OF WAY	RIGHT OF WAY PROPERTY MANAGEMENT – INCLUDES ENCROACHMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PERFORM RIGHT OF WAY BOUNDARY SURVEY	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PREPARE PLAT MAPS & LEGAL DESCRIPTIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	UTILITY RELOCATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	OBTAIN CALIFORNIA PUBLIC UTILITY COMMISSION (CPUC) APPROVALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PERFORM APPRAISALS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PREPARE ACQUISITION DOCUMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	ACQUIRE RIGHT OF WAY – INCLUDES CONDEMNATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

DRAFT 2020 Measure D SIP – Appendix: Request for Coop Agreement

	Project Delivery Activity Description	RTC	Local Agency 1	Local Agency 2	N/A
CONSTRUCTION	ADVERTISE CONTRACT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	AWARD CONTRACT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	CONTRACT ADMINISTRATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	NOTIFY COUNTY ENVIRONMENTAL HEALTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	CLEANUP HAZARDOUS WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	CHANGE ORDER INSPECTIONS AND REVIEW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	RESOLVE DISPUTES AND CLAIMS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PREPARE AS-BUILT PLANS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PREPARE PROJECT HISTORY FILE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	MITIGATION MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
MAINTENANCE	PAVEMENT SWEEPING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	PAVEMENT SEALING, REPAVING, REPAIR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	VEGETATION CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	IRRIGATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	LIGHTING REPLACEMENT/REPAIR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	BRIDGE INSPECTION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	DRAINAGE SYSTEM CLEANING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	ANNUAL MONITORING/REPORTING FOR IMPACTS to ENVIRONMENTAL HEALTH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	RESTROOM CLEANING/MAINTENANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	FENCE REPAIR/REPLACEMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SIGN REPLACEMENT/REPAIR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	OTHER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	OTHER	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ARTWORK INSTALL	APPROVAL FROM ART COMMISSION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	APPROVAL FROM RTC	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SPECIFICATION DRAWING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	SOIL DISTURBANCE REQUIREMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	MAINTENANCE OF ARTWORK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Notes:

DRAFT 2020 Measure D SIP – Appendix: Request for Coop Agreement

Scheduling

What, if any, schedule restraints are there for the work in this agreement?

What is the milestone schedule for the work subject to this agreement?

<u>Milestone</u>	<u>Date</u>
Environmental Clearance _____	Construction Complete _____
Ready to List (Final PS&E) _____	Other _____

Funding Information

What is the funding plan for the project?

Fund Type	Fund Source	Prelim. Engr/ Env.	PS&E	Right of way Capital	Right of way Support	Construct. Capital	Construct. Support	Total
Measure D	Regional							
Measure D	Local							
STIP	State							
ATP	State							
RSTPX	State							
TDA	State							
LPP	State							
CA Coastal Conserv	Local							
Land Trust	Local							
Other								

Billing Arrangements

Is the local agency approved for Electronic Fund Transfer? ☐ YES ☐ NO

Will funds be spent proportionally or sequentially? ☐ PROPORTIONAL ☐ SEQUENTIAL

Payments of Measure D Regional funds shall be made on a reimbursement bases for all project phases unless advance payments are authorized by the RTC Executive Director.

Other

What other issues/arrangements should be addressed in this agreement?

TO: RTC Advisory Committees

FROM: Rachel Moriconi, Transportation Planner and
Fernanda Dias Pini, Planning Technician

REGARDING: Draft 2020 State and Federal Legislative Programs

RECOMMENDATIONS

Staff recommends that Bicycle Committee, Elderly and Disabled Transportation Advisory Committee (E&D TAC), and Interagency Technical Advisory Committee (ITAC) members identify State or Federal legislative issues that the Regional Transportation Commission (RTC) should consider, pursue, or monitor in 2020.

BACKGROUND

Each year the Regional Transportation Commission (RTC) adopts legislative platforms to guide its analysis of state and federal legislative or administrative actions that could impact transportation funding or implementation of the Regional Transportation Plan (RTP), Regional Transportation Improvement Program (RTIP), Measure D and transportation projects in Santa Cruz County. Working with the RTC's legislative assistants in Sacramento and Washington, D.C., the Central Coast Coalition (regional transportation agencies from Monterey, San Benito, Santa Barbara, San Luis Obispo, and Santa Cruz Counties), the California Association of Councils of Governments (CALCOG), the Self Help Counties Coalition, and other transportation entities, the RTC monitors legislative proposals, notifies state and federal representatives of the RTC's analysis of key issues, and provides input on other federal and state actions.

DISCUSSION

Staff is in the process of developing the RTC's 2020 State and Federal Legislative Programs (Attachment 1). New items that were not included in the 2019 Legislative Programs are shown with an asterisk or underline. **Staff recommends that the RTC's advisory committees provide input on the draft legislative priorities and identify any additional issues that the RTC should consider, monitor, or pursue in 2020. Committee members can provide suggestions either at this meeting or by emailing rmoriconi@sccrtc.org by January 6, 2020.** The RTC board is expected to approve the State and Federal Legislative Programs at its January or February 2020 meeting.

The RTC legislative program is used to advance key goals and targets in the *2040 Santa Cruz County [Regional Transportation Plan](#)*, which focuses on sustainability – improving multimodal access and mobility, safety, maintenance of existing transportation infrastructure and services, cost effectiveness, and equity. The draft 2020 legislative program also focuses on advancing regional projects.

Generally, the RTC's legislative program covers legislative and administrative actions that:

- Involve funding or a funding mechanism for transportation
- Involve the implementation of transportation and greenhouse gas emission reduction policies and programs
- Involve transportation and land use
- Involve the environmental review process
- Involve changes to the way transportation projects are delivered
- Affect the Commission directly (e.g. Commission responsibilities, policies or operations)

Staff will continue working to ensure that transportation-related statutes and guidelines are structured in a manner that recognizes Santa Cruz County's significant traffic congestion, maintenance, active transportation, and transit system needs and sustainability goals.

The California Legislature will reconvene from winter recess on January 6, 2020 to begin the second year of a new two-year session. Issues anticipated to be discussed during the 2020 state legislative session include housing and transportation connections, climate change, transit funding eligibility, speed limits and safety, options for streamlining and expediting project delivery, and incentivizing alternative modes of transportation. There are rumors that the legislature may also revisit SB375, which could impact the Monterey Bay Area Metropolitan Transportation Plan (MTP) and Sustainable Communities Strategy (SCS), greenhouse gas emission reduction targets, transportation and land use. Staff will also be monitoring implementation of Governor Newsom's Executive Order 19-19, which aims to increase efforts to reduce greenhouse gas emissions and mitigate the impacts of climate change, bolster available funding to promote alternative and active modes of transportation, support housing development near job- and transit-centers, and reduce vehicle miles traveled.

The focus on the federal level will be on reauthorization of the multiyear federal transportation act. The current Fixing America's Surface Transportation (FAST) Act expires in September 2020. Components of the reauthorization bill are working their way through several congressional committees. If approved by Congress, the Senate Environment and Public Works (EPW) Committee's proposed FAST reauthorization bill, the *America's Transportation Infrastructure Act of 2019*, would be the largest highway reauthorization legislation in history - \$287 billion from the Highway Trust Fund over five years. In addition to reauthorizing and increasing funding for long-standing programs (including increased set-asides for transportation alternatives), the bill includes new competitive grants for bridges, safety incentive programs, wildlife-vehicle collision reduction grant program, roads and bridges climate resiliency program, and funds to states to support projects aimed at lowering highway-related carbon emissions. A key issue for reauthorization is how the bill will be funded.

SUMMARY

Committee members are encouraged to review and inform staff of any changes the RTC should consider for its 2020 Legislative Program.

Attachment 1: Preliminary Draft 2020 Legislative Program

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Santa Cruz County Regional Transportation Commission

PRELIMINARY DRAFT

2020 STATE Legislative Program

PROPOSED CHANGES FROM 2019 NOTED WITH UNDERLINE OR STRIKEOUT

Transportation Funding

- **Protect Transportation Funding:** Preserve existing and new funding for transportation projects, maximize funding for Santa Cruz County transportation projects, and preserve regional discretion and priority-setting.
 - Stable, formula funding is essential for addressing the backlog of transportation infrastructure repairs and improvements in Santa Cruz County. **Support protection of all current and future taxes and fees and other transportation funds** (including Highway Users Tax Account (HUTA), Transportation Development Act (TDA), State Transportation Improvement Program (STIP), Active Transportation Program (ATP), and other funds) from elimination or diversion to other State programs, General Fund loans, general obligation bond debt service, or to other non-transportation purposes.
 - Seek improvements at the Board of Equalization/California Department of Tax and Fee Administration to ensure that distribution of sales taxes on online sales do not negatively impact TDA-LTF and local sales tax measure revenues.
 - Continue to monitor legislative and regulatory efforts to conform state law to ensure that implementation of the *South Dakota v. Wayfair* ruling increase transportation funding from local-option sales taxes (METRO and Measure D), TDA, other County of Santa Cruz and city resources.
 - Oppose proposals that could tie transportation fund availability to local jurisdictions, to non-transportation and development projects.
 - Support new funding for transportation agencies to offset the cost of implementing climate change initiatives and ensure that implementation of the Innovative Clean Transit regulation requiring transition to zero-emission bus fleets and accompanying infrastructure does not result in decreased transit service.
- **Ensure Fair Distribution of Funding:**
 - Ensure state and federal funds are made available for projects in Santa Cruz County, are distributed equitably, and are not disproportionately distributed to large regions. Ensure competitive programs make funding reasonably available for multimodal projects in Santa Cruz County, that address local and regional priorities.
 - **Local Role:** Ensure a strong role for regional and local agencies in planning and determining transportation investment priorities. Support legislation that respects local authority,

protecting or expanding local decision-making in programming expenditures of transportation funds, rather than the State making top-down funding decisions that are not community-based. Project and increase direct funding to regions through both federal and state programs; and reinforce and build upon the structure of SB45 that provides regions a strong voice in the programming of state funds.

- **State Transportation Improvement Program (STIP):** Ensure equitable programming and allocation of STIP funds.
- **"Disadvantaged Communities" Definition:** Broaden the definition of "disadvantaged communities" (DACs) in order to ensure that projects that benefit low-income and other transportation disadvantaged residents of Santa Cruz County are not excluded from funding opportunities that support sustainable communities, transportation choices, and investments in alternative modes of transportation.
- **Increase Funding for All Transportation Modes:** Support measures that increase funding for and support implementation of transportation projects in Santa Cruz County, including funds for ongoing system maintenance, congestion reduction, safety, complete streets, active transportation bike, pedestrian, transit projects, transit-oriented development, and specialized transportation for seniors and people with disabilities in Santa Cruz County.
 - **New funding systems:** Phase in new funding systems which are tied to system use, rather than fuel consumption or fuel prices. May include new user fees, such as a Road User Charge or Vehicle Miles Traveled (VMT) fee and other alternative funding mechanisms.
 - **Expand local revenue-raising opportunities** and innovative financing options to address the significant backlog of transportation needs. Provide locals with the ability to supplement and leverage state funding for investments that protect state and local transportation assets.
 - **Expand the authority of the RTC and local entities to increase taxes and fees** for transportation projects, such as new gas taxes, vehicle registration fees, property-tax financing, and infrastructure financing districts.
 - Support clarifying amendment to Government Code Section 65089.20 that will give RTPAs equal treatment with Congestion Management Agencies (CMAs) to seek voter approval for a local vehicle registration fee. *(SB83 cleanup)*
 - **Lower Vote Threshold:** Support efforts to amend the California constitution to lower the voter threshold for local transportation and affordable housing funding measures, such as local sales tax or vehicle registration fee ballot measures, from the 2/3 supermajority to a simple majority or 55% vote. Support actions which would broaden eligibility in existing and/or new transportation funding streams to enable their use as a subsidy for low-income transportation system users (e.g. discounted fares for public transportation or shared mobility service).
 - **Active Transportation Program (ATP):** Increase ATP funding and ensure potential reforms to the Active Transportation Program (ATP) do not reduce the proportion available for Santa Cruz County agencies to compete for, including funds to the competitive statewide, small urban and rural funding pots. Support efforts to simplify the Active Transportation Program (ATP) project delivery, build local capacity to deliver transformative projects, and provide regions greater flexibility to innovate and strategically invest funds to meet local needs.

- **Cap & Trade:**
 - Increase percent of Cap & Trade revenues allocated to transportation projects and programs that help reduce greenhouse gas emissions in Santa Cruz County.
 - Support increases in Low Carbon Transit Operations Program (LCTOP) appropriations
 - Support policy changes to the Affordable Housing and Sustainable Communities program (AHSC) that increase funding opportunities for projects in Santa Cruz County.
 - Ensure continued funding for low and zero emission transit deployment. Ensure regulatory and legislative requirements related to transit electrification provide flexibility, consider cost and available technology, and do not place an undue burden on transit agencies.
 - Support legislation to devote a permanent Cap-and-Trade funding allocation to the Active Transportation Program.
- **Support options to replace the loss of redevelopment funding,** to support economic development and affordable housing consistent with sustainable community strategies.
- Support legislation to increase the availability of **funding at the regional level to help implement sustainable community strategies**, as well as policy tools to reduce single-occupancy vehicle travel in a manner that ensures equitable policy outcomes.
- **Increase and Preserve Funding for Priority Projects in Santa Cruz County:**
 - Projects on Highway 1
 - Local Street and Roadway Preservation
 - Transit projects
 - Santa Cruz Branch Rail Line
 - Bicycle and Pedestrian facilities, including the Monterey Bay Sanctuary Scenic Trail Network (MBSST)
 - Soquel Avenue-Freedom Boulevard Corridor
- **Transportation Development Act (TDA):**
 - Monitor potential modifications to the TDA, including fare-box recovery requirements, and ensure funding for transit, planning, administrative, and other TDA purposes in Santa Cruz County are not reduced. Oppose efforts that would reduce TDA funds which are essential for RTC administration and planning. Support the development of greater efficiencies within the TDA while streamlining and updating performance metrics relating to farebox recovery. Explore the development of alternative performance measures that are focused on incentivizing transit agency actions that improve transit service and increase ridership, consistent with state and regional climate and equity goals.

Project Implementation

- **Streamlining & Expediting Project Delivery:** Support administrative and/or legislative efforts to streamline funding applications, simplify program administration and other efforts that modernize and accelerate project delivery.
 - Support the development of greater efficiencies of transportation program implementation, including California Environmental Quality Act (CEQA) reform and stormwater runoff regulations to streamline both project development and delivery for transportation and transit projects, and eliminating any unnecessary, overly burdensome and/or duplicative mandates.
 - Opportunities to expedite transportation project delivery may include increasing contracting and financing options, increased flexibility in early allocation of programmed funds and initiating reimbursable work with local funds in advance of CTC allocation of all projects,

- efforts that expedite the Caltrans design review process, opportunities to expedite locally-sponsored projects on the state highway system, and increase in encroachment permit limits.
- Support delegation of National Environmental Policy Act (NEPA) review and fund allocation responsibilities to Caltrans, environmental streamlining measures for bike, pedestrian, transit, and infrastructure preservation within existing public rights of way, and other measures that expedite project delivery.
 - Support efforts that provide for streamlined project delivery for transit projects that fulfill the goals of AB 32 and SB 375, as well as other state and federal air quality mandates and mobility performance measures.
- **Advanced Mitigation:** Support implementation of “advanced mitigation” environmental programs, including approving up-front environmental mitigation funding for projects, such as the Highway 17 Wildlife Crossing. Support creation of a low-interest loan program to support advance mitigation and habitat conservation plans that mitigate the impacts of transportation infrastructure and make project implementation more efficient.
 - **FAST Act Implementation:** Support legislation and administrative strategies to implement the FAST federal authorization bill, in a way that ensures the best possible outcome for transportation projects in Santa Cruz County.
 - **SHOPP Program:** Support Caltrans’ efforts to provide more outreach regarding State Highway Operation and Protection Program (SHOPP) projects and to include measureable targets for improving the state highway system. Support clarification of existing laws to permit the expenditure of SHOPP funds for operational projects on state highways.
 - Support inclusion of complete streets within SHOPP projects, as appropriate, but especially in areas where state highways serve as main streets, such as Highway 9 and Highway 152 in Santa Cruz County.
 - **Encroachments:** Support legislation that clarifies the authority under which rail property owners may remove, or by notice may require the removal of encroachments.
 - **Active Transportation Facilities:** Support modification to rules, regulations, and government codes that will make roadways more bicycle and pedestrian-friendly, including: laws associated with sharing the road; ensuring complete streets components (e.g. accessible pedestrian signals) are considered during the design of all projects; increasing funds for pedestrian, bicycle, and new micro-mobility devices and services (e.g. bike share), and safety countermeasures (e.g. buffered or protected bike lanes); increasing funds to provide resources necessary for First/Last Mile improvements; Safe Routes to School Programs; and providing additional direction and consistency for accessible pedestrian design.
 - **Land Use/Housing/Transportation Coordination:** Encourage new developments to incentivize active transportation and bus use. Ensure SB743 (Steinberg, 2013) implementation supports infill development, promotion of public health through active transportation, and expedites transportation project delivery. Oppose SB50 (Wiener), unless amended, to protect locally-driven land use planning that implements broad policy goals set by the state to provide affordable housing in transit-rich areas.
 - **Administrative:** Allow advance payment of programmed funds, in order to expedite project delivery and resolve cash flow challenges faced especially by small regional agencies.

- Support efforts to extend timeframe between required *Regional Transportation Plan* updates.
- **Unfunded Mandates:** Oppose unfunded mandates and seek funding for mandates imposed in recent years. Require new regulatory proposals to include an estimate of the cost and impact such proposals will have in the delivery of California's transportation program.
- **Commuter Programs:** Expand statutory authority for regions statewide to adopt and implement a regional commuter benefits ordinance similar to the successful program in the Bay Area. Support dedicated funding for Transportation Demand Management (TDM) programs and strategies.
- **Safety:** Support legislation and programs that improve transportation safety for all users and support programs aimed at eliminating all traffic-related serious injuries and fatalities. Support proposals to increase enforcement and support modification of traffic laws to better protect pedestrians and bicyclists, including proposals to authorize automated speed enforcement on a pilot program basis, proposals that would allow local jurisdictions to reduce speed limits on both local roads and state highways and work with state representatives and the Zero Traffic Fatalities Task Force to modify the California Vehicle Code to allow for prima facie speed limits of 25 mph on state highways that function as main streets, especially in business and school zones, and modifications to vehicle code to allow vehicles to cross a double-yellow line when passing cyclists. Support commercial driver, bus driver, motorist, and bicyclist Safe Routes to Schools training and education programs which reduce collisions.
- **Shared Mobility Systems:** Support policies that enable technological innovations to improve mobility, while protecting the public's interest. Monitor legislation and regulations related to shared mobility, such as transportation network companies (TNCs) and real-time carpooling, to ensure that mobility benefits are maximized, especially for underserved populations, and access to critical data for transportation and land-use planning and operational purposes is assured. Support measures that allow for local control and regulation of shared mobility systems such as scooters, bikes, and other fleets.
- **Connected and Autonomous Vehicles:** Monitor and engage in legislation and regulations to facilitate deployment of connected vehicles and autonomous vehicles. Oppose federal efforts to preempt local authority over the use of autonomous vehicles in their communities. In partnership with California cities and counties, transit agencies, the business community, and other transportation organizations, engage in regulatory and legislative efforts related to connected and autonomous vehicles with the goal of accelerating their safety, mobility, environmental, equity and economic benefits. Similar to the "shared mobility" strategy, support access to critical data for transportation and land use planning and operational purposes.
- **Electrification** of vehicle fleets: Support funding and coordination, including policy, planning, and infrastructure, for vehicle electrification. Support reduced utility pricing for public transit electric vehicle fleets.
- **Resilience:** Support programs and increased funding necessary for communities to have resilient transportation infrastructure designed with the consequences of climate change and resulting natural disasters in mind. Monitor implementation efforts of Executive Order N-19-19, which directs the California State Transportation Agency (CalSTA) to invest its annual \$5 billion portfolio to help reduce transportation-related greenhouse gas emissions, and to ensure that state funds, specifically SB 1 funds, continue to be used for transportation purposes.

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Santa Cruz County Regional Transportation Commission

PRELIMINARY DRAFT

2020 FEDERAL Legislative Program

- **Priority Projects:** Seek and preserve funding for priority transportation projects and programs in Santa Cruz County, including:
 - Projects on Highway 1
 - Santa Cruz Branch Rail Line
 - Transit operations and capital projects
 - Local street and roadway preservation
 - Bicycle and pedestrian facilities, including the Monterey Bay Sanctuary Scenic Trail Network (MBSST/Rail Trail)
 - 511 implementation
- **Stabilize and Increase Funding**
 - **Increase funding levels** for all modes to bring transportation infrastructure up to a good state of repair and meet growing transportation needs in Santa Cruz County. Support increase and index of federal fuel taxes that are available for projects in Santa Cruz County.
 - **Infrastructure Initiative:** Ensure any new infrastructure funding initiative increases transportation investment opportunities for projects in Santa Cruz County, including funding for the existing Surface Transportation Block Grant Program (STBG) and Highway Safety Improvement Program (HSIP) programs and formula fund programs. Any infrastructure package should adhere to traditional match requirements, so as not to disadvantage projects in Santa Cruz County in accessing those funds. The initiative should include a significant investment of **new** federal funds for transportation, stabilize the Highway Trust Fund and not be offset by reductions to other federal programs serving Santa Cruz County residents.
 - Support federal grant or pilot programs for comprehensive planning that supports **Transit Oriented Development (TOD)** opportunities to connect housing, jobs, and mixed-use development with transportation options.
 - **BUILD:** Maintain the Better Utilizing Investments to Leverage Development (BUILD, formerly TIGER) grant program at or above current levels.
 - **Develop new funding mechanisms** that ensure the financial integrity of the Highway Trust Fund (HTF) and Mass Transportation Account. Without any new sources of dedicated revenue, the HTF would need an infusion of over \$100 billion from the General Fund simply to fund highway and transit programs at their current levels from 2021 through 2025.
 - **Innovative Financing:** Ensure proposals for public-private partnerships and innovative financing are favorable for project implementation in Santa Cruz County. Support and expand the Transportation Infrastructure Finance and Innovation Act (TIFIA) program.
 - **Defend Fiscal Year 2019/2020 appropriations.** Ensure that Congress appropriates funding consistent with amounts authorized in the Fixing America's Surface Transportation (FAST) Act.
 - **Oppose rescissions or arbitrary cuts** that could reduce funding for transportation projects in Santa Cruz County.
 - **Support transparent congressionally-directed spending** (earmarks) to allow for Congressional support of priority projects in Santa Cruz County
 - Oppose efforts to withhold federal funds from jurisdictions not in compliance with federal Immigration and Customs Enforcement law, or from "sanctuary" jurisdictions.
- **Disaster Recovery:** Work with local and state partners to ensure federal government provides sufficient emergency relief appropriations and federal agency resources to support rebuilding and

recovery efforts. Support legislative efforts to extend the timeframe for road projects qualifying for federal disaster reimbursement to move to the construction phase from two years to six years.

- **Protect and expand transportation fringe benefits.** Reinstatement of the commuter benefit, which was eliminated under the tax reform bill. In addition, advocate for expanding pre-tax transportation fringe benefit eligibility to include shared mobility options, such as bike-share and shared ride carpool services.
- **Transportation Act Implementation and Reauthorization**
 - Support legislation and administrative strategies to implement a fully funded federal authorization bill, in a way that ensures the best possible outcome for transportation projects in Santa Cruz County. Ensure that U.S. Department of Transportation (DOT) implementation of MAP-21 and FAST Act rules and regulations do not have a negative impact on local projects and programs.
 - **Reauthorization:** As Congress works on reauthorization of the FAST Act, which expires in September 2020, support a long-term reauthorization of the Act with increases to programs that provide funds for projects in Santa Cruz County.
 - **Active Transportation:** Support continued funding for pedestrian and bicycle projects.
 - **Transit:** Support increased funding for transit, including continued and accelerated growth of the Small Transit Intensive Cities Program (STIC), funding for acquisition of transit capital (Bus and Bus Facilities, and Low and No Emissions Bus Programs), Capital Investment Grants, funding for Americans with Disabilities Act (ADA) implementation, state of good repair, and other transit programs, and support tax credits for the purchase of electric buses.
 - Support a reauthorization bill that includes incentive funding to **reward self-help jurisdictions**.
 - Oppose **unfunded mandates** and support legislation that provides funding for past mandates.
- **Performance Measures:** Support development of appropriate performance measures which are consistent with RTC approved goals, policies, and targets and which recognize data limitations of many regions. Support open collaboration, data sharing and funding to successfully implement state and federal performance-based planning and management requirements.
- **Air Quality and Greenhouse Gas Emissions:** Support development of new funding programs to reduce greenhouse gas emissions from transportation, expand eligibility for CMAQ and other funding programs to Santa Cruz County. Support funding and coordination of vehicle electrification planning and infrastructure. Defend against rollbacks of California's air quality and climate change laws and regulation, such as fuel efficiency standards and cap-and-trade programs.
- **Climate Change and Resiliency:** Strengthen federal partnership to support resiliency and climate change preparedness and efforts that could support local efforts to improve resiliency, respond to new or worsening storm, fire, and other environmental hazards and meet regional climate goals. Support efforts to increase planning funds that help regional governments address climate change and make regional transportation infrastructure more resilient.
- **Autonomous Vehicles:** Oppose federal efforts to preempt local authority to regulate the use of autonomous vehicles in their communities.

- **Streamline Project Delivery:** Support regulations to streamline and integrate federal project delivery requirements for project planning, development, review, permitting, and environmental processes in order to reduce project costs and delays.

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MEMORANDUM

TO: SCCRTC Interagency Technical Advisory Committee

FROM: Heather Adamson, Director of Planning

SUBJECT: 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy and 2022 Regional Growth Forecast Update

MEETING DATE: January 16, 2020

RECOMMENDATION: INFORMATION

Receive an update on the development of the 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy (MTP/SCS) and 2022 Regional Growth Forecast (RGF).

BACKGROUND/ DISCUSSION:

AMBAG adopted the 2040 Metropolitan Transportation Plan/Sustainable Communities Strategy (MTP/SCS) in June 2018. Federal and state law requires that AMBAG prepare a long-range transportation plan every four years. In accordance with state and federal guidelines, the 2045 MTP/SCS is scheduled for adoption by the Board of Directors in June 2022. Staff developed the 2045 MTP/SCS Plan Work Program and Schedule which was approved by the AMAG Board of Directors in April 2019. Initial 2045 MTP/SCS activities underway are highlighted below.

2022 Regional Growth Forecast

The process to update the Regional Growth Forecast has been initiated. The first step in updating Regional Growth Forecast is establishing the regional numbers. The draft tri-county regional employment, population and housing figures have been prepared and will be presented at the Planning Directors Forum on January 27, 2020 for review, input and discussion. AMBAG staff will be scheduling meetings with the local jurisdictions in February 2020 to discuss the draft regional numbers. The AMBAG Board of Directors will be asked to accept the regional numbers at its March 2020 meeting.

Planning Excellence!

Once the regional numbers have been accepted, the draft growth forecast will be disaggregated to the subregional and jurisdiction level. Draft subregional forecast numbers are scheduled to be available in early summer 2020. The 2022 Regional Growth Forecast is scheduled to be accepted for planning purposes in October 2020.

Environmental Impact Report

AMBAG is scheduled to release the Notice of Preparation (NOP) for the joint environmental impact report (EIR) for the 2045 MTP/SCS and the Regional Transportation Planning Agencies' (RPTAs) Regional Transportation Plans (RTP) in January 2020. AMBAG will host three scoping meetings to solicit input on the scope and content of the EIR.

- **January 22, 2020** at the Live Oak Community Room - Simpkins Center - 979 17th Ave, Santa Cruz, CA
- **January 23, 2020** at the San Benito County Board of Supervisors Chambers - 481 4th Street, Hollister, CA
- **January 29, 2020** at the Marina Library Community Room - 190 Seaside Circle, Marina, CA

All scoping meetings are scheduled for 6:00 – 7:30 p.m.

2045 MTP/SCS Goals, Objectives and Performance Measures

With each MTP update, AMBAG starts the planning process by establishing a framework of goals and performance measures to guide the development of the Plan. This is a key first step, as it is the policy foundation for the MTP and identifies the “big picture” of what we hope to achieve. The policy goals for the 2045 MTP/SCS are shown below.

Policy Goals

- **Access and Mobility** – Provide convenient, accessible, and reliable travel options while maximizing productivity for all people and goods in the region.
- **System Preservation and Safety** – Preserve and ensure a sustainable and safe regional transportation system.
- **Healthy Communities** – Protect the health of our residents; foster efficient development patterns that optimize travel, housing, and employment choices and encourage active transportation.
- **Environment** – Promote environmental sustainability and protect the natural environment.
- **Social Equity** – Provide an equitable level of transportation services to all segments of the population.

- **Economic Vitality** – Raise the region’s standard of living by enhancing the performance of the transportation system.

The 2045 MTP/SCS performance measures used to evaluate each of the policy goals have been updated and new metrics added (Attachment 1). Performance measures allow us to quantify regional goals, estimate the impacts of proposed investments, and evaluate progress over time. The RTPAs are also developing metrics for their RTPs and may use some of the same MTP/SCS metrics at the county level. The AMBAG Board of Directors will be asked to accept the updated performance measures for the 2045 MTP/SCS in February 2020.

Transportation Project List

AMBAG will soon begin work with the RTPAs, transit operators, Caltrans and local jurisdictions to update the transportation project list for the 2045 MTP/SCS using the Telus database. AMBAG and RTPA staff will be able to make changes to existing 2040 MTP/SCS projects such as changes to cost estimates and project phasing as well as to add new projects or delete projects that have been completed. RTPA staff will work with local jurisdictions and other project sponsors to obtain updates to local projects that will be then entered into Telus database.

Next Steps

Staff will continue to develop the initial components of the 2045 MTP/SCS working with the Planning Directors Forum, Technical Advisory Committees, partner agencies and key stakeholders.

2045 MTP/SCS – Regional Performance Measures

AMBAG - January 2020

Access and Mobility

- Commute Travel Time (minutes)
- Work Trips Within 30 Minutes (percentage)
- Population Within 30 Minutes of Parks (percentage)*
- Population Within 30 Minutes of Healthcare (percentage)*
- Daily Vehicle Delay Per Capita (minutes)*

Economic Vitality

- Population Near High Quality Transit (percentage)*
- Jobs Near High Quality Transit (percentage)
- Daily Truck Delay (hours)
- Income Consumed by Out of Pocket Transportation Costs (percentage)*

Environment

- GHG Reductions (Percent reduction from 2005 baseline)
- Open Space Consumed (acres)
- Farmland Converted (acres)

Healthy Communities

- Growth in Opportunity Areas (percentage)*
- Alternative Transportation Trips (percentage)
- Population Near Bike facilities (percentage)*
- Jobs Near Bike Facilities (percentage)*
- Peak Period Congested Vehicle Miles of Travel (miles)

Social Equity

- Distribution of MTP/SCS Investments (percentage)
 - Low income areas
 - Non low income areas
 - Minority areas
 - Non minority areas

- Low mobility (zero car households and aged populations)*
- Low community Engagement (linguistic isolation and education attainment)*
- Access to Transit within 1/2 mile (percentage)
 - Low income population
 - Non low income population
 - Minority population
 - Non minority population
 - Low mobility (zero car households and aged populations)*
 - Low community engagement (linguistic isolation and education attainment)*

System Preservation and Safety

- Maintain the Transportation System (percentage)
- Fatalities and Injuries per 1,000 VMT
- Annual Projected Bike/Pedestrian Fatalities and Injuries per 1,000 VMT

** Denotes new performance metric*

Note: Low income and minority populations definitions will be revised.

TO: Regional Transportation Commission Advisory Committee

FROM: Amy Naranjo and Brianna Goodman, Transportation Planners

RE: 2045 Santa Cruz County Regional Transportation Plan - Goals, Policies and Targets

RECOMMENDATIONS

Staff recommends that the Regional Transportation Commission Advisory Committee:

1. Receive information on the development of the 2045 Regional Transportation Plan (RTP); and
 2. Provide input on the draft goals, policies and targets of the 2045 RTP; and
 3. Review the 2040 Regional Transportation Plan (RTP) project list and provide new project ideas for the 2045 Regional Transportation Plan.
-

BACKGROUND

As the regional transportation planning agency (RTPA) 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 RTP is a state-mandated plan that identifies transportation needs in Santa Cruz County over the next twenty-plus years. It estimates the amount of funding that will be available over this timeframe and identifies a financially constrained priority list of projects. This planning effort is a critical component to project implementation as it provides a forum for setting the direction of transportation in our county over the next 20 plus years, it positions our community to receive federal, state or local funding for projects, and helps facilitate collaboration on projects. Individual projects listed in the RTP can only be implemented as local, state and federal funds become available.

The RTPs adopted by RTPAs in Santa Cruz, Monterey, and San Benito Counties are incorporated into the federally-mandated Metropolitan Transportation Plan/state-mandated Sustainable Communities Strategy (MTP/SCS), which is prepared by the Association of Monterey Bay Area Governments (AMBAG). The current 2040 RTP was adopted by RTC in June 2018 at the same time as the 2040 MTP/SCS was adopted by AMBAG and the 2040 RTPs by Transportation Agency for Monterey County (TAMC) and San Benito Council of Governments (SBCOG).

DISCUSSION

The next Santa Cruz County RTP and AMBAG MTP/SCS are scheduled for adoption in June 2022. These documents will provide transportation plans through 2045 and will be referred to as the 2045 RTP and 2045 MTP/SCS. The RTP and AMBAG MTP/SCS are being updated after four years based on state law requirements to update the RTP every four or five years and SB 375 requirements to sync the adoption of the regional housing element (RHNA) that occurs every 8 years with the adoption of the MTP.

2045 RTP Work Plan

The Santa Cruz County Regional Transportation Plan consists of three main elements; the Policy Element, the Financial Element, and the Action Element.

- The Policy Element identifies the goals, policies, and measurable outcomes/targets that guide transportation funding decisions and prioritization.
- The Financial Element identifies funds anticipated to be available for transportation projects and the outstanding funding needs over the next 20 plus years.
- The Action Element of the RTP identifies specific projects and programs that could be funded within the projected funds identified in the Financial Element (constrained) and which projects/programs would require new revenues above and beyond those anticipated over the next twenty-plus years (unconstrained).

The draft work plan for the 2045 RTP is outlined in **Attachment 1** and the schedule in **Attachment 2**.

Policy Element

The 2045 Santa Cruz County Regional Transportation Plan, through its goals and policies, sets forth a triple-bottom line sustainability framework for expanding options for residents and visitors to access their daily needs in a way that is safe, equitable, protects the natural environment and promotes investment in the local economy. The triple bottom line concept of sustainability starts with the development of the goals and policies which are then used to define the priority list of projects.

The draft goals, policies and targets (**Attachment 3**) were slightly revised from the 2040 RTP goals, to shift their function from forecasting based on the constrained project list to monitoring trends in real time in order to measure progress toward the RTP goals. Performance measures were also revised based on Federal requirements from the FAST Act for State Departments of Transportation and Metropolitan Transportation Agencies to report on performance of their transportation systems. Although RTC is not required to report the performance of

these measures, the 2045 RTP performance measures and targets were revised to be consistent with this legislation. Several policies were also added to reflect increased focus at the state level on goods movement, transportation system security, and transportation system resiliency in the face of climate change.

Staff recommends that the RTC Advisory Committee provide input on the Goals, Policies and Targets of the 2045 RTP (Attachment 3).

Project Solicitation

The Action Element includes the complete list of transportation needs in the region. The transportation needs for the 2045 RTP and 2045 MTP will be solicited from the project sponsors, RTC, RTC Committees and the public from January through April 2020. A list of projects from the 2040 RTP is provided in **Attachment 4**. Staff recommends that RTC Advisory Committee members review this list, identify additional projects that should be included, and recommend relative priority levels (high, medium, low). A new project ideas form is available on the RTC website (<https://sccrtc.org/funding-planning/long-range-plans/2045-regional-transportation-plan/new-project-ideas/>). Priorities identified by the RTC Advisory Committee will be considered for the final draft 2045 RTP.

Project sponsors are concurrently reviewing this list. Staff anticipates that some projects may have been completed, increased in cost, or since been deemed infeasible. Those projects will not be carried over to the 2045 RTP. Any project ideas received from the RTC Committees and the public will be provided to the jurisdiction that is responsible for transportation projects in the location of interest. Proposed projects for inclusion in the RTP and MTP should advance the transportation plan goals and targets, as well as address the SB375-mandated Sustainable Communities Strategy and Complete Streets needs. The RTC is scheduled to consider the draft project list in June 2020.

RTC staff requests that the RTC Advisory Committee review the 2040 RTP project list provided in Attachment 4 and provide new project ideas for the 2045 Regional Transportation Plan.

SUMMARY

The RTC is responsible for developing the Regional Transportation Plan for Santa Cruz County. The next RTP is planned for adoption in June 2022 in coordination with AMBAG and the 2045 MTP/SCS. RTC staff requests input from RTC Advisory Committees on the draft goals, policies and targets for the 2045 RTP. RTC staff also requests input on new project ideas to be added to the transportation needs list based on the 2040 RTP project list.

Attachments:

1. 2045 RTP Work Plan
2. 2045 RTP Schedule
3. Draft Goals, Policies and Targets

4. 2040 RTP Project List

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2045 Santa Cruz County Regional Transportation Plan (RTP) Work Plan

1. *Develop Work Plan and Public Participation Plan (PPP)*
 - a. Seek RTC input on work plan for the RTP
 - b. Collaborate with AMBAG and the other RTPAs (TAMC, SBCOG) on the 2019 Public Participation Plan that serves as the PPP for the AMBAG region and the PPP for the RTC as well as the other RTPAs in the Monterey Bay region. Assure the PPP meets requirements of the 2017 California Transportation Commission RTP guidelines, SB 375 and MAP-21 requirements for public participation
 - c. Seek adoption of the Public Participation Plan by the RTC
2. *Coordination with Partner Agencies*
 - a. Meet regularly with Association of Monterey Bay Area Governments (AMBAG), Transportation Agency for Monterey County (TAMC), and San Benito Council of Governments (SBCOG) to discuss development of the 2045 Regional Transportation Plans (RTPs) and 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy (MTP/SCS)
 - b. Provide data to AMBAG as necessary to incorporate Santa Cruz County projects into the AMBAG regional travel demand model (RTDM) and the AMBAG region 2045 MTP/SCS
 - c. Review draft 2045 MTP/SCS produced by AMBAG
3. *Public Outreach and Involvement*
 - a. Utilize the 2019 Public Participation Plan to guide public and stakeholder participation in development of the 2045 RTP
 - b. Develop outreach materials throughout RTP development including fact sheets, web pages, web news, email notices, news releases
 - c. Encourage public participation on the main elements of the RTP, includes soliciting input from RTC Advisory Committees, interest groups, and the general public
 - d. With AMBAG as the lead, coordinate the consultation with resource agencies as required by the RTP Guidelines
 - e. Consult with local jurisdictions public works and planning staff, Caltrans, UCSC transportation staff, METRO staff, and other project sponsors
 - f. Assist AMBAG with public workshops regarding investment priorities for 2045 RTP and MTP/SCS
 - g. Analyze feedback and update the regional transportation plan where appropriate based on comments received
4. *Review Policy Element - Goals, Policies, Performance Measures*
 - a. Update goals, policies, and performance measures to incorporate lessons learned from 2040 RTP and 2017 RTP guidelines as needed
 - b. Review and incorporate new transportation act requirements as appropriate
 - c. Update performance measures to inform evaluation criteria for funds distributed by RTC (e.g. STIP, STBG, transit, and other funds)
 - d. Ensure policies are consistent with SCS
 - e. Review goals, policies, and performance measures with RTC, RTC committees, and the public
 - f. Recommend changes to goals, policies, and performance measures based on input received

- g. Seek RTC approval of draft goals, policies, and performance measures and provide to AMBAG and EIR Consultant
- 5. *Update Financial Element – Revenue and Cost Projections*
 - a. Identify funding sources available (dedicated and discretionary), including sources used by project sponsors to operate, maintain, and construct transportation projects and programs
 - b. Identify any new potential funding sources
 - c. Coordinate with AMBAG, TAMC and SBCOG to establish assumptions for financial projections and develop projections
 - d. Update financial projections through 2045
 - e. Escalate project and program costs to expected year of delivery
 - f. Review funding projections and assumptions with RTC board
 - g. Provide financial projections to EIR consultant
 - h. Include updated discussion about state and federal funding trends
- 6. *Update Action Element – Project List*
 - a. Solicit project ideas and costs from local jurisdictions and other project sponsors, public, RTC Advisory Committees
 - b. Incorporate projects and policies from regional/corridor/subregional studies into development of the RTP. Studies include, but aren't limited to:
 - i. Unified Corridor Investment Study,
 - ii. Measure D Implementation Plan,
 - iii. Highway 9 – San Lorenzo Valley Complete Streets Corridor Plan,
 - iv. Central Coast Highway 1 Climate Resiliency Study,
 - v. Santa Cruz County Strategic Plan
 - vi. California Transportation Plan,
 - vii. Caltrans: Freight Plans, Asset Management Plan and 10-Year Project Book, State Rail Plan, Bike and Ped Plan, etc.
 - viii. Short Range Transit Plans, Santa Cruz METRO Strategic Business Plan, and Santa Cruz Branch Rail Line Alternatives Analysis,
 - ix. Active Transportation Plans/Studies,
 - x. Airport Planning Studies,
 - xi. Transportation Demand Management Studies
 - c. Work with AMBAG to provide input on the database for organizing project lists and update project list database
 - d. Develop complete list of projects (both constrained and unconstrained)
 - e. Evaluate projects for consistency with goals and policies, SCS, and local plans
 - f. Seek approval from RTC on 2045 RTP complete project list
 - g. Work with AMBAG on scenario analysis to differentiate financially constrained and unconstrained projects
 - h. Create draft Constrained and Unconstrained Project Lists, with input from RTC, RTC Advisory Committees, project sponsors, stakeholders and members of the public.
 - i. Assist AMBAG with public workshops for public input on constrained project list
 - j. Seek input and approval from RTC on constrained project list
 - k. Assign projects to time frames evaluated in plan

7. *Plan Performance*

- a. Plan performance of the AMBAG Metropolitan Transportation Plan/Sustainable Communities Strategy will be evaluated for the tri-county region and this analysis will be referred to in the 2045 Santa Cruz County Regional Transportation Plan
- b. For the 2045 MTP/SCS, VMT and GHG measures will be analyzed by AMBAG using the regional travel demand model (RTDM) to assess ability to meet revised SB 375 targets for the AMBAG region.
- c. Santa Cruz County VMT and GHG reductions will be provided by AMBAG from the RTDM results to assess performance of the 2045 Santa Cruz County Regional Transportation Plan
- d. Baseline performance monitoring will be discussed based on available data
- e. Other RTC specific performance measures will be updated to inform evaluation criteria for funds distributed by RTC (e.g. STIP, STBG, transit, and other funds) but will not be analyzed for plan performance

8. *2045 RTP Document*

- a. Updates and revisions will be made to the 2018 RTP document
- b. Discuss revised California Air Resource Board Targets for AMBAG region
- c. Information from new transportation related studies will be incorporated, where appropriate
- d. Previously collected data will be updated, as needed
- e. Revise text to address new state and federal requirements
- f. Include discussion on Measure D projects being implemented
- g. Release draft for public review
- h. Recommend changes for Final based on input received
- i. Prepare Final RTP

9. *Environmental Impact Report (EIR) Preparation*

- a. Develop Agreement with AMBAG for EIR for the 2045 MTP/SCS and RTPs of Santa Cruz County, Monterey County and San Benito County with approval from the RTC
- b. Meet regularly with AMBAG, TAMC, SBCOG and consultant to discuss development of EIR for 2045 MTP/SCS and RTPs
- c. Address all CEQA updates since 2040 MTP/RTP adopt;
- d. Review notice of preparation (NOP) for EIR
- e. Review draft EIR
- f. Prepare consideration of Final EIR for RTP

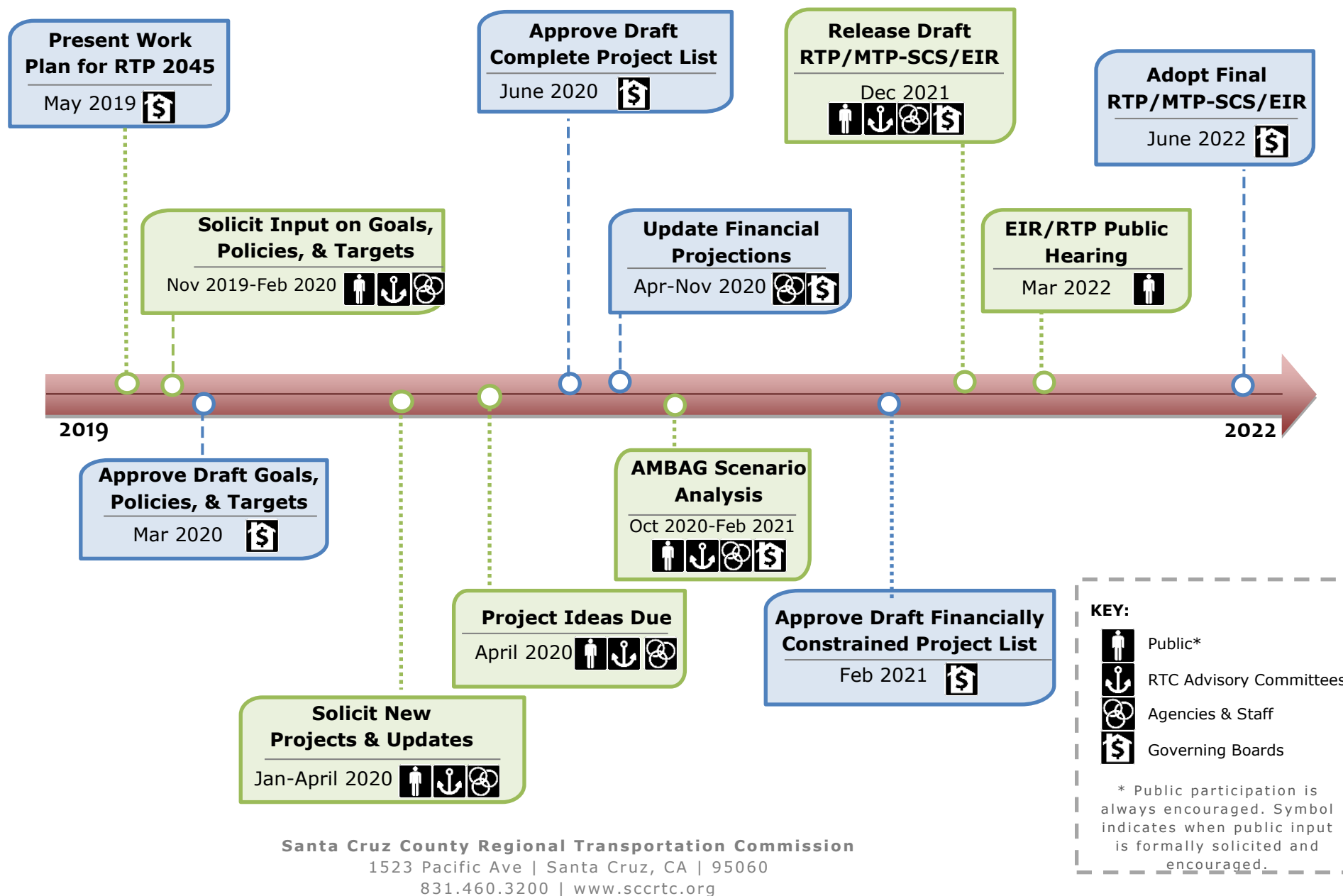
10. *RTP and EIR Release and Distribution*

- a. Update distribution lists
- b. Send notice of availability to interested parties
- c. Focus on electronic distribution (web, email)
- d. Provide a 30 day minimum review period
- e. Review draft RTP and EIR with RTC and RTC Committees
- f. Hold public hearing on RTP
- g. Receive and incorporate comments
- h. Present Final RTP/EIR Adoption
- i. Complete Notice of Determination



2045 REGIONAL TRANSPORTATION PLAN

KEY MILESTONES



2045 Santa Cruz County Regional Transportation Plan Goals, Targets and Policies

- **GOAL 1. Establish livable communities that improve people's access to jobs, schools, recreation, healthy lifestyles 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:

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

1.A.1. Increase the length of urban bikeway miles relative to total urban arterial and collector roadway miles to 85 percent by 2030 and to 100 percent by 2045¹.

1.A.2. Increase the transit vehicle revenue miles by 8 percent by 2030 and 20 percent by 2045 (compared to 2020).

1.B 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.

1.B.1. Reduce per capita vehicle miles traveled by 4 percent by 2030 and by 10 percent by 2045 (compared to 2005).

1.B.2. Reduce per capita greenhouse gas emissions by 50 percent by 2030 and by 78 percent by 2045 and total greenhouse gas emissions from transportation by 40 percent by 2030 and 70 percent by 2045² (compared to 2005) through electric vehicle use, clean fuels, and other emerging technologies, reduction in vehicle miles traveled and improved speed consistency.

1.B.3. Re-invest in the local economy \$8.5 million/year by 2030 and \$14 million/year by 2045 (compared to 2005) from savings resulting from lower fuel consumption due to a reduction in vehicle miles traveled.³

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

1.C.1. Improve percentage of reliable person miles traveled by 3 percent by 2030 and by 8 percent by 2045 (compared to 2020).

¹ The 2018 percentage of urban bikeway miles to urban arterials and collectors is 70 percent.

² 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.

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

1.C.2. Improve multimodal network quality for walk and bicycle trips to and within key destinations by increasing the percentage of buffered/separated bicycle facilities to 42 percent of bikeway miles by 2030 and to 64 percent by 2045⁴.

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

1.D.1. Decrease single occupancy commute trip mode share to 6.5 percent by 2030 and by 10 percent by 2045 (compared to 2020).

1.D.2. Increase the number of active commute trips to 16 percent of total commute trips by 2030 and to 24 percent of total commute trips by 2045.⁵

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 destinations⁶ for all ages and abilities.
- 1.4 *Transportation Infrastructure:* Ensure network connectivity by closing gaps in the bicycle, pedestrian and transit networks.
- 1.5 *Transportation Infrastructure:* Develop dedicated transit facilities that will improve transit access and travel time and promote smart growth and transit oriented development.
- 1.6 *Land Use:* Support land use decisions that locate new facilities close to existing services, particularly those that serve transportation disadvantaged populations.
- 1.7 *Goods Movement:* Enhance local economic activity through improving freight mobility, reliability, efficiency, and competitiveness

⁴ 2018 buffered/separated bike lanes is 21 percent of the total bikeway length.

⁵ The active transportation commute trip mode share for Santa Cruz County estimated from the 2013-2017 American Community Survey is 11% (4.5% walk, 3.7% bike and 2.8% transit). The targets are to increase the total active transportation mode share to 16% by 2030 (6.3% Walk, 5.7% bike and 3.9% transit) and increase the active transportation mode share to 24% by 2045 (9.5% Walk, 8.7% bike and 5.9% transit).

⁶ Key destinations for Santa Cruz County residents may include employment and commercial centers, schools, healthcare, coastal access, and parks.

➤ **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:

2.A Improve transportation safety, especially for the most vulnerable users.

2.A.1. Vision Zero: Eliminate traffic fatalities and serious injuries by 2045 for all modes. By 2030, reduce fatal and serious injuries by 50 percent (compared to 2020).

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.

2.5 *Security*: Incorporate transportation system security and emergency preparedness into transportation planning and project/program implementation.

➤ **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:

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

3.A.1. Increase the percentage of pavement in good condition to 50 percent by 2030 and 80 percent by 2045.

3.A.2. Reduce the number of transit vehicles in “distressed” condition to 20 percent by 2030 and to 10 percent by 2045.

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

3.B.1. Improve travel options for people who are transportation disadvantaged due to income, age, race, disability or limited English proficiency by increasing transit vehicle revenue miles (see Target 1Aii) and reducing transit travel times by 15 percent by 2030 and by 30 percent by 2045 (compared to 2020).

3.B.2. Ensure transportation benefits are equitably distributed to all segments of the

population.

3.B.3. Ensure that transportation disadvantaged populations have an equitable distribution of benefits and not a disproportionate share of burdens.

3.C Solicit broad public input.

3.C.1. Maximize participation from diverse members of the public in RTC planning and project implementation activities.

3.D Increase transportation revenues.

3.D1. Increase the amount of transportation funding by 20 percent by 2030 (compared to 2020) from a combination of local, state and federal funds.

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 *Climate Resiliency:* Adapt the transportation system to reduce impacts from climate change.
- 3.7 *Public Engagement:* Solicit broad public input on all aspects of regional and local transportation plans, projects and funding actions.

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2040 Regional Transportation Plan 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.

All Figures in year 2016, '000s (thousands of dollars)

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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).	\$732,380	\$219,714	\$512,666
Hwy 1/Harkins Slough Road Interchange: Bicycle/Pedestrian Bridge	WAT 01A	Construction of Pedestrian/Bicycle Bridge over Highway 1. Caltrans Project ID 05-1G490	\$9,900	\$9,900	\$0
Hwy 17 Access Management - Laurel Rd/Sugarloaf Rd/Glenwood Cutoff Area Grade Separation Concept	CT-P52	New structure providing grade-separation to facilitate crossing and turnaround.	\$40,000	\$0	\$40,000
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
Hwy 17 Access Management - Old Santa Cruz Hwy Area Grade Separation Concept	CT-P53	New structure providing grade-separation to facilitate crossing and turnaround.	\$40,000	\$0	\$40,000
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
Hwy 17 Access Management - Vine Hill Area Grade Separation Concept	CT-P51	New structure providing grade-separation to facilitate crossing and turnaround.	\$40,000	\$0	\$40,000
Hwy 17 Wildlife Habitat Connectivity	CT-P48	Wildlife Crossing	\$9,198	\$9,198	\$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
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
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).	\$778,390	\$467,163	\$311,227
Caltrans Total			\$1,738,468	\$715,904	\$1,022,564
CHP - California Highway Patrol					
Hwy 129 Safety Program	CHP-P03	Additional CHP enforcement and public education campaign on Highway 129.	\$500	\$0	\$500
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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
CHP - California Highway Patrol Total			\$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
40th Ave/Clares St Intersection Improvements	CAP-P38	Widen intersection and signalize.	\$1,550	\$1,050	\$500
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
41st Ave/Capitola Road Intersection Improvements	CAP-P37	Widen intersection and reconfigure signal phasing.	\$520	\$520	\$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
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
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
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
Bay Avenue/Capitola Avenue Intersection Modifications/Roundabout	CAP 16	Multimodal improvements to intersection. Roundabout.	\$1,000	\$1,000	\$0
Bay Avenue/Hill Street Intersection	CAP-P07	Intersection improvements to improve traffic flow. Roundabout.	\$210	\$210	\$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
Brommer Street Complete Street Improvements (250' west of 38th Ave to 41st Ave)	CAP 18	Construct complete street roadway improvements on Brommer St. to improve access for vehicles, bikes, and pedestrians. Pavement reconstruction, install ADA driveways and sidewalks, and reconfigure eastbound approach to 41st Ave. for vehicle access.	\$770	\$770	\$0
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
Capitola Intra-City Rail Trolley	CAP-P18	Construct & Operate Weekend Rail Trolley Service. Project includes installation of 3 stations.	\$14,460	\$0	\$14,460
Capitola Jitney Transit Service	CAP-P15	Purchase and operate local transit service.	\$1,030	\$0	\$1,030
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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
Capitola Rd & 45th Avenue I/S Improvements	CAP-P53	Signalization or other LOS improvements	\$400	\$400	\$0
Capitola Village Enhancements: Capitola Ave	CAP-P34	Multimodal enhancements along Capitola Avenue.	\$1,030	\$1,030	\$0
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
Capitola-wide HOV priority	CAP-P50	Evaluate HOV priority at signals and HOV queue bypass.	\$40	\$40	\$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
Citywide General Maintenance and Operations	CAP-P06	Ongoing maintenance, repair, and operation of road/street system within the City limits. (Const=\$1850K/yr; Unconst=\$150K/yr).	\$44,000	\$40,666	\$3,334
Citywide Sidewalk Program	CAP-P51	Install sidewalks to fill gaps. Annual Cost \$50k/yr.	\$1,030	\$520	\$510
Citywide Traffic Calming	CAP-P17	Install traffic calming/neighborhood livability improvements.	\$1,450	\$1,450	\$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
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
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
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
Cliff Drive Improvements	CAP-P05	Installation of sidewalks, pedestrian crossing and slope stabilization of embankment including seawall.	\$1,550	\$1,550	\$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
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
Monterey Avenue and Park Avenue I/S Improvements	CAP-P56	Signalization or other LOS improvements	\$400	\$400	\$0
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
Monterey Avenue Multimodal Improvements	CAP-P12	Installation of sidewalks and bike lanes in area near school and parks.	\$360	\$360	\$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
Park Avenue/Kennedy Drive Improvements	CAP-P09	Construct intersection improvements, especially for bikes/peds. May include traffic signal.	\$360	\$360	\$0

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
Stockton Ave Bridge Rehab	CAP-P07p	Replace bridge with wider facility that includes standard bike lanes and sidewalks.	\$3,000	\$1,500	\$1,500
Stockton Avenue and Capitola Avenue I/S Improvements	CAP-P57	Signalization or other LOS improvements	\$350	\$350	\$0
Upper Capitola Avenue Improvements	CAP-P03	Installation of bike lanes and sidewalks on Capitola Av. (Bay Av.-SR 1) and sidewalks on Hill St. from Bay Av. to Rosedale Av.	\$1,340	\$1,340	\$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
Wharf Road and Stockton Avenue I/S Improvements	CAP-P54	Signalization or other LOS improvements	\$350	\$350	\$0
Wheelchair Access Ramps	CAP-P27	Install wheelchair access/curb cut ramps on sidewalks citywide.	\$200	\$200	\$0
City of Capitola Total			\$93,670	\$60,906	\$32,764
City of Santa Cruz					
Almar Ave Sidewalks	SC-P126	Fill gaps in sidewalks and access ramps to improve pedestrian safety.	\$200	\$200	\$0
Arroyo Seco Trail (Medar St to Grandview St)	SC-P107	Pave existing gravel trail and widen and pave connection to Grandview St.	\$500	\$0	\$500
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
Bay/California Traffic Signals	SC-P96	Install traffic signals for safety and capacity improvements.	\$520	\$0	\$520
Bay/High Intersection Modification	SC-P109	Install a roundabout or modify the traffic signal to include protected left-turns and new turn lanes. Revise sidewalks, access ramps and bike lanes as appropriate.	\$2,150	\$2,150	\$0
Beach/Cliff Intersection Signalization	SC-P93	Signalize intersection for pedestrian and train safety.	\$210	\$210	\$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
Brookwood Drive Bike and Pedestrian Path	SC-P21	Provide 2-way bicycle and pedestrian travel.	\$1,030	\$0	\$1,030
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
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
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	\$86,249	\$77,381
Citywide Safe Routes to School Projects - ATP	SC-P125	Projects to improve pedestrian and bicycle safety near schools.	\$8,204	\$1,404	\$6,800

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
Citywide Street Sweeping	SC-P128	Ongoing street sweeping, funded from City Refuse Enterprise Fund.	\$19,800	\$19,800	\$0
Delaware Avenue Complete Streets	SC-P23	Fill gaps in bicycle lanes, sidewalks and sidewalk access ramps.	\$150	\$150	\$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
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
Hwy 1 Sound Wall	SC-P03	Install sound wall on Hwy 1: River to Chestnut.	\$520	\$0	\$520
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
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
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	\$20,000	\$20,000	\$0
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
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
King/Laurel Intersection Modification	SC-P114	Modify unsignalized intersection to add eastbound right turn lane.	\$100	\$0	\$100
Laurent/High Intersection Improvements	SC-P97	Install Traffic Signal.	\$410	\$0	\$410
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
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
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
MBSST (Coastal Rail Trail_ - Segment 8 and 9)	TRL 8-9a	Rail Trail Design, Environmental Clearance and Construction along the rail corridor between Pacific Ave in the City of Santa Cruz to 17th Ave in Santa Cruz County	\$32,934	\$32,934	\$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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
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
Morrissey Blvd. Bike Path over Hwy 1	SC-P29	Install a Class 1 bicycle and pedestrian facility on freeway overpass.	\$300	\$300	\$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
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
Murray St to Harbor Path Connection	SC-P30	Install a Class 1 bicycle/pedestrian facility.	\$210	\$210	\$0
Neighborhood Traffic Management Improvements	SC-P73	Install traffic control devices and roadway design features to manage neighborhood traffic.	\$2,580	\$0	\$2,580
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
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
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
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
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
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
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
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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
Pacific Ave. Sidewalk	SC 50	Construct 200' of new sidewalk on Pacific Avenue between Front Street and 55 Front St, including installation of a new accessible crosswalk at Front and Pacific; 150' bike lane.	\$440	\$440	\$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
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
River Street Pavement Rehabilitation (Water St to Potrero Street)	SC 51	Pavement rehabilitation of River Street between Water Street and Potrero Street. (0.4 mi)	\$2,000	\$1,000	\$1,000
Riverside Ave/Second St Intersection Modification.	SC-P13	Modify intersection to reduce congestion and improve pedestrian crossing.	\$175	\$175	\$0
San Lorenzo River Bike/Ped Trail at RR Bridge	TRL 8a	Widen existing four foot walkway that connects the east end of the Beach Street Pathway with East Cliff Drive at the location of the current railroad bridge over the San Lorenzo River and to connect the east and west banks of the San Lorenzo River Pathway. The crossing currently only accommodates pedestrians.	\$1,550	\$1,550	\$0
San Lorenzo River Levee Path Connection	SC-P35	Install a Multi-Use bicycle/pedestrian facility connecting the end of the San Lorenzo River Levee path on the eastern side of the river, up East Cliff Drive near Buena Vista Ave.	\$2,070	\$2,070	\$0
Seabright Avenue Bike Lanes (Pine-Soquel)	SC-P69	Install Class 2 bike lanes on arterial street to complete the Seabright Avenue bike lane corridor and connect to bike lane corridor on Soquel Avenue and Murray. Includes removal of some parking and some landscape strips.	\$2,070	\$2,070	\$0
Seabright/Murray Traffic Signal Modifications	SC-P100	Remove split phasing on Seabright and add right-turn lane northbound.	\$1,030	\$1,030	\$0
Seabright/Water Intersection Improvements	SC-P99	Modify unsignalized intersection to add northbound right and extend left-turn pocket.	\$100	\$0	\$100
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
Sidewalk Program	SC-P09	Install and maintain sidewalks and access ramps.	\$20,660	\$5,500	\$15,160
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
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
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
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
Storey/King Street Intersection Left-Turn Lane	SC-P76	Remove parking and modify striping for second southbound left turn lane.	\$100	\$0	\$100
Swift/Delaware Intersection Roundabout or Traffic Signal	SC-P101	Install Traffic Signal or Roundabout at Intersection to improve capacity and safety.	\$500	\$500	\$0

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
West Cliff Path Minor Widening (David Way Lighthouse to Swanton)	SC 23	Improve existing path.	\$520	\$520	\$0
West Cliff/Bay Street Modifications	SC-P83	Install signal or roundabout to replace the all-way stop to improve safety and capacity.	\$500	\$500	\$0
City of Santa Cruz Total			\$412,346	\$263,295	\$149,051
<i>City of Scotts Valley</i>					
Bean Creek Rd Sidewalks (SVMS to Blue Bonnet)	SV-P35	Fill gaps in sidewalks on Bean Creek Rd.	\$410	\$410	\$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
Bike Rest Stops in Scotts Valley	SV-P38	Bike rest stops (including racks, water) at Camp Evers Park and Skypark.	\$230	\$0	\$230
Citywide Access Ramps	SV-P06	Place handicap ramps at various locations. Avg annual cost: \$8K/yr.	\$210	\$210	\$0
Citywide Bike Lanes	SV-P41	Construction of additional bike lanes and paths citywide (including Green Hills).	\$3,100	\$0	\$3,100
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	\$13,459	\$1,311
Citywide Sidewalk Program	SV-P05	Install sidewalks to fill gaps. Annual Cost \$50k/yr	\$5,170	\$2,600	\$2,570
Civic Center Dr Bike Lanes	SV-P33	Add bike lanes to narrow road.	\$410	\$0	\$410
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
El Pueblo Rd Extensions	SV-P15	Connect El Pueblo Road to Disc Drive.	\$410	\$0	\$410
El Rancho Dr Bike Lanes	SV-P36	Add bike lanes on El Rancho within city limits.	\$340	\$0	\$340
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
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
Emergency Access Whispering Pines	SV-P26	Connect Whispering Pines Drive to Manana Woods for emergency access.	\$50	\$0	\$50
Emergency Access-Bethany/Glenwood	SV-P23	Connect Bethany Drive to Glenwood Drive.	\$210	\$0	\$210
Emergency Access-Sundridge/Pueblo	SV-P22	Connect Sunridge Drive to Disc Drive for emergency access.	\$410	\$0	\$410
Erba Lane/Terrace View/SV Drive Realignment	SV-P10	Realign Terrace View to access Scotts Valley Drive via Erba Lane.	\$520	\$0	\$520
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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
Glen Canyon Rd/Green Hills Rd/S. Navarra Dr Bike Corridor and Roadway Preservation	SV 28	Repave two roads, add bike lanes (on Green Hills Rd), 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 (\$14k).	\$993	\$993	\$0
Glenwood Drive Rehabilitation and Bicycle Improvement Project	SV 29	Pavement rehabilitation of Glenwood Dr. (K Street Way to city limits), drainage repair, and widen to add bike lanes. (0.58mi)	\$865	\$865	\$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
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
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
Kings Village Road/ Bluebonnet Lane Sidewalk	SV 30	Construct new, fill gaps, and improve accessibility of sidewalks on both sides of King's Village Rd. (Mt. Hermon to Bluebonnet) and south side of Bluebonnet Lon (KV to Bean Creek). Approx.0.3mi. Curb ramp upgrades at Mt. Hermon.	\$306	\$306	\$0
Lockhart Gulch Rd Bike Lanes	SV-P37	Add Class 2 bike lanes to narrow, primarily residential street.	\$720	\$0	\$720
Lockwood Ln Pedestrian Signal Near Golf Course	SV-P21	Construct a pedestrian signal at unprotected ped crossing on Lockwood Lane.	\$50	\$50	\$0
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
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 Trammel Way/Scotts Valley Dr.	\$1,030	\$515	\$515
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
Mt Hermon Rd/ Spring Lakes Dr. Pedestrian Intersection Improvements	SV-P54	Improve pedestrian crossing at Spring Lakes Drive and Mt. Hermon Road.	\$50	\$50	\$0
Mt Hermon Road Sidewalk Connections	SV-P30A	Add sidewalks to fill gaps in business district.	\$520	\$520	\$0
Mt Hermon, Lockewood, Springs Lake Widening	SV-P13	Widen, reconstruct and improve portions of roadway and intersection.	\$4,130	\$0	\$4,130
Mt Hermon/King's Village Rd-Transit Signal priority	SV-P46	Transit signal priority at Kings Village Rd/Mt Hermon Rd.	\$80	\$80	\$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
Mt. Hermon Rd Circulation Master Plan	SV-P09	Provides various circulation and access improvements to the Mount Herman corridor.	\$3,620	\$0	\$3,620

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
N. Navarra Dr-Sucinto Dr Bike Lanes	SV-P34	Add bike lanes to developing area behind commercial.	\$620	\$0	\$620
Neighborhood Traffic Calming	SV-P28	Citywide traffic calming devices.	\$770	\$770	\$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
Scotts Valley-wide - Greenway Signage	SV-P48	Add signage for neighborhood greenways.	\$20	\$0	\$20
Sky Park Commercial Area Circulation	SV-P11	Construct infrastructure improvement for Skypark commercial area.	\$2,070	\$0	\$2,070
Synchronize Traffic Signals along Mt. Hermon Road	SV-P42	Re-time to coordinate traffic signals along Mt. Hermon Road.	\$100	\$100	\$0
City of Scotts Valley Total			\$87,684	\$27,463	\$60,221
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.	\$25	\$25	\$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.	\$25	\$25	\$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.	\$1,346	\$1,346	\$0
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.	\$600	\$0	\$600
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.	\$1,645	\$1,645	\$0
Alley Improvements	WAT-P36	Repair & reconstruct some alleys.	\$60	\$60	\$0
Bicycle Safety Improvements (Various Locations)	WAT 44	Improve existing bicycle facilities by installing new striping, markings and signage in place of the existing and installing new green bike lanes at the approaches on various streets. Work will be done at the following locations: Beach St from Lee Rd to Rodriguez St (1.42 mi); Bridge St from Beck St to East Lake Ave (1.48 mi); Green Valley Rd from Harkins Slough Rd to Corralitos Creek Bridge (1.92 mi); Harkins Slough Rd/Walker St from Green Valley Rd to Riverside Dr (1.73 mi); Rodriguez St from Riverside Dr to Main St (0.92 mi).	\$525	\$375	\$150
Bridge Maintenance	WAT-P35	Maintenance of bridges	\$115	\$115	\$0
Buena Vista/Calabasas/Freedom Connection	WAT-P30	Construction of roadway connection from Buena Vista area to Freedom Blvd. Reconstruct Via Nicola.	\$5,950	\$0	\$5,950

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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)	\$65,350	\$41,400	\$23,950
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.	\$2,380	\$0	\$2,380
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).	\$28,510	\$0	\$28,510
Crestview/Wagner Extension	WAT-P29	Construction of roadway connection from Atkinson Lane area to SR 152. Reconstruct/widen Wagner St.	\$4,750	\$0	\$4,750
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.	\$600	\$600	\$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.	\$300	\$0	\$300
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
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.	\$300	\$300	\$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	\$1,730	\$1,730	\$0
Freedom Blvd (Green Valley Rd to Buena Vista Dr)	WAT-P72	Repair and resurface damaged roadway and bike lanes, replace damaged sidewalks, add pedestrian facilities where none exist.	\$5,000	\$5,000	\$0
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.	\$300	\$300	\$0
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).	\$600	\$600	\$0
Freedom Blvd Reconstruction (Alta Vista to Green Valley)	WAT 45	Remove and replace non-ADA compliant driveways and curb ramps, install high visibility crosswalks, provide sharrows and bicycle signage, upgrade existing bus stop shelter, install new traffic signal at Sydney Ave with pedestrian signal heads, pedestrian actuated traffic signals, audible countdown, pedestrian-level lighting and illumination at crosswalks and reconstruct roadway.	\$3,250	\$2,000	\$1,250
Freedom Blvd Undergrounding	WAT-P38	Underground existing overhead utilities.	\$1,270	\$1,270	\$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.	\$1,800	\$0	\$1,800
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
Green Valley Rd Improvement (Freedom Blvd to City Limit)	WAT-P45	Reconstruct existing roadway, install a median island to encourage safer turning movements, remove and replace existing driveways and curb ramps that do not comply with existing accessibility standards, restripe roadway to provide striping for bike lanes where none exist.	\$2,000	\$0	\$2,000

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
Green Valley Road Reconstruction (Struve Slough-Freedom Blvd)	WAT 42	Reconstruct existing roadway and bikelanes, remove existing asphalt pedestrian path and replace with concrete curb, gutter and sidewalk, remove and replace non-ADA compliant curb ramps and driveways, remove and replace existing signage, striping and loop detectors for traffic signal detectors. 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.	\$1,598	\$1,598	\$0
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	\$1,150	\$0	\$1,150
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.	\$360	\$0	\$360
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.	\$35	\$35	\$0
Lower Watsonville Slough Trail	WAT-P46	Install bicycle/pedestrian trail	\$770	\$770	\$0
Lump Sum Bicycle Projects	WAT-P19	Update the City Bicycle Plan and construction of additional routes and paths (250k/yr).	\$5,950	\$0	\$5,950
Main St - 3 HAWK Signals	WAT-P54	Evaluate and if found necessary, add Hawk signals in 3 locations on Main St.	\$890	\$890	\$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.	\$890	\$890	\$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.	\$710	\$710	\$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.	\$1,670	\$1,670	\$0
Main St Modifications (East Lake Ave to Freedom Blvd)	WAT-P73	Provide complete streets improvements including but not limited to pedestrian crossings, bicycle facilities, bus stops, parking, sidewalks and traffic management	\$1,000	\$1,000	\$0
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.	\$1,500	\$1,500	\$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
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.	\$115	\$115	\$0
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: twelve-foot width asphalt (hma). A 500 ft long retaining wall up to 3 ft tall with fence near Lee Road. A drainage structure east of Ohlone Parkway 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.	\$1,540	\$1,540	\$0

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
MBSST Rail Trail: Walker Street to City Slough Trail connection	TRL 18W	Construction of 2400 ft pedestrian and bicycle path parallel to the existing railroad tracks and within the rail right-of-way. Also includes public outreach and training to improve bicycle and pedestrian safety.	\$860	\$860	\$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).	\$115	\$115	\$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).	\$470	\$470	\$0
Ohlone Parkway Improvements - Phase 2 (UPRR to West Beach)	WAT-P31	Roadway, pedestrian, and bicycle facilities.	\$600	\$600	\$0
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.	\$360	\$0	\$360
Pajaro Valley High School Connector Trail	WAT-P42	Install bicycle/pedestrian trail (this trail connects Pajaro Valley High School to Airport Blvd).	\$710	\$710	\$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	\$4,600	\$0	\$4,600
Riverside (Hwy 129) Bike Facilities	CT-P39	Bicycle facilities - Lee to Lakeview Road. County/City Project -Cost Unknown.	\$0	\$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.	\$12	\$12	\$0
Union/Brennan (Freedom to Riverside) - Sharrows	WAT-P52	Evaluate and if found necessary, add sharrows to Union/Brennan.	\$12	\$12	\$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.	\$530	\$530	\$0
Upper Watsonville Slough Trail	WAT-P43	Install bicycle/pedestrian trail.	\$770	\$770	\$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	\$3,200	\$0	\$3,200
Watsonville Shuttle	WAT-P27	Year round public transit service.	\$300	\$0	\$300
Watsonville-wide HOV priority	WAT-P56	Evaluate HOV priority at signals and HOV queue bypass.	\$60	\$60	\$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	\$2,900	\$0	\$2,900
West Beach St (Ohlone Parkway to Walker St)	WAT-P67	Repair, reconstruct and/or upgrade pavement, bike lanes, sidewalks, transit facilities, signage and striping	\$4,600	\$0	\$4,600
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	\$240	\$0	\$240
City of Watsonville Total			\$168,138	\$71,808	\$96,330

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
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
Medical Specialized Transportation for Veterans	CTSA-P06	Non-emergency medical transportation for veterans	\$6,500	\$0	\$6,500
Medically Fragile Specialized Transportation	CTSA-P04	Non-emergency transportation service for medically fragile individuals. Includes operations and capital.	\$5,000	\$0	\$5,000
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
Consolidated Transportation Total			\$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
County Health Services Agency Total			\$6,500	\$2,200	\$4,300
County of Santa Cruz					
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
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
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
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
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
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
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
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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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 (CO 64c) & 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
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
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
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
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
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
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
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
Branciforte Drive Chip Seal Project (Granite Creek Rd to SC city limits - 1.91mi)	CO 82	Roadway rehabilitation: Digouts, Rubberized Chip Seal, and restriping of a portion of Branciforte Drive	\$433	\$433	\$0
Branciforte Drive Road Recycle & Overlay (PM 2.4 to Granite Ck Rd)	CO 79	Pavement recycling, asphalt overlay, and restriping of 0.62 miles of Branciforte Drive from Granite Creek to PM 2.4 (0.62 mil). To be constructed with CO 81 (Granite Creek).	\$431	\$431	\$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
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
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
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
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	\$11,000	\$11,000

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
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
Cassery Rd Improvements (Hwy 152 to Green Valley Rd)	CO-P26g	Roadway and roadside improvements including bike lanes, sidewalks, transit turnouts, left turn pockets, merge lanes and intersection improvements.	\$770	\$208	\$562
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
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
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
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
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
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
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
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
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
County wide guardrail	CO-P97	Install guardrail on County roads	\$15,000	\$15,000	\$0
Countywide ADA Access Ramps	CO-P37	Construction of handicapped access ramps countywide.	\$1,240	\$620	\$620
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
Countywide General Road Maintenance and Operations	CO-P35	Ongoing maintenance, repair, and operation of road/street system within the unincorporated areas of the county.	\$495,000	\$446,857	\$48,143
Countywide Sidewalks	CO-P41	Install sidewalks.	\$72,310	\$7,000	\$65,310
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
East Cliff (26th to Moran Way) Sidewalk Improvement	CO-P77	Install sidewalk from 26th south to link to Moran Way.	\$410	\$0	\$410

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
East Cliff Dr Pedestrian Pathway (7th-12th Ave)	CO-P50	Construct pedestrian pathway on East Cliff.	\$1,760	\$1,760	\$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
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
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
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	\$2,180	\$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
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
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
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
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
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	\$2,830	\$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
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
Freedom Blvd Pavement Preservation (Hwy 1 to Pleasant Vly Rd)	CO 74	Rehabilitate the roadway surface.	\$1,430	\$1,430	\$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
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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
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
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
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
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
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
Granite Creek Road Recycle & Overlay - Part of CO 79B	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.	\$1,100	\$1,100	\$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	\$2,110	\$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
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
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
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
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
Highway 17 To Soquel Corridor Chip Seal Project	CO 83	Roadway rehabilitation: Digouts, Chip Seal, and restriping of Vine Hill Rd (Hwy 17 to B40), Branciforte Dr (Vine Hill to PM 0.7), Mt. View Rd (B40-N. Rodeo Gulch), N. Rodeo Gulch Rd (Mt. View-PM 1.97), Laurel Rd (N. Rodeo-Soquel San Jose Rd), and Soquel-San Jose Rd. (Laurel Glen to Dawn Lane) - 9.90 mi.	\$1,881	\$881	\$1,000
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
Hwy 152/Holohan - College Intersection	CO 84	Intersection capacity enhancements and signal modifications, pedestrian and bicycle safety improvements. Add sidewalks and bicycle lanes on Holohan Rd, an additional left-turn lane from Holohan to EB Hwy 152, sidewalk on north side of Hwy 152 from Holohan to Corralitos Creek bridge, adds crosswalks and speed feedback signs.	\$3,150	\$3,150	\$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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
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
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
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	\$3,930	\$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
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
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
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.	\$881	\$243	\$638
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
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
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
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
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
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
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
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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
McGregor Dr Improvements (Capitola city limits to Searidge Rd)	CO-P33g	Roadway and roadside improvements on various Minor Collectors including addition of bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvements. Roadwork includes major rehabilitation and maintenance of the road.	\$1,240	\$0	\$1,240
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
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
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
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	\$1,310	\$0
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	\$725	\$2,275
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
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
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
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
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
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	\$3,190	\$0
Scotts Valley Area Routes Chip Seal Project	CO 85	Roadway rehabilitation: Digouts, Chip Seal, and restriping Mt. Hermon Rd (PM 1.31 to SV city limits), Lockewood Ln (GH-SV city limits), and Graham Hill Rd (Sims to Lockewood) - 2.76mi	\$940	\$940	\$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
Seacliff Village/State Park Drive Improvements	CO 36	Construct sidewalks, bike lanes, bus turnouts/stops, 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.	\$3,400	\$3,400	\$0
Seascape Blvd Improvements (Sumner Ave to San Andreas Rd)	CO-P26s	Roadway improvements and pavement rehabilitation.	\$620	\$170	\$450
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
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

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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
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
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
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
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
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	\$515	\$515
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
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
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
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
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
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
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
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
Thurwachter Road Bike Lanes	CO-P68	Install bicycle lanes.	\$50	\$0	\$50

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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
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
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
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
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
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
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
Winkle Ave Improvements (entire length from Soquel Dr)	CO-P27l	Roadway and roadside improvements on various Major Collectors including bike lanes, transit turnouts, left turn pockets, merge lanes and intersection improvement.	\$2,380	\$655	\$1,725
Zayante Road Corridor Chip Seal Project	CO 86	Roadway rehabilitation: Digouts, Chip Seal, and restriping East Zayante & Upper E. Zayante from Quail Hallow to SR 35 (up to 9.07mi). Project to be scaled to match available funds	\$1,725	\$1,025	\$700
County of Santa Cruz Total			\$915,568	\$565,675	\$349,893

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.	\$3,870	\$1,870	\$2,000
Ecology Action Countywide SRTS Youth Pedestrian and Bicycle Safety Education	EA 02	EA will serve approximately 120 second grade classrooms with 'feet on the ground' pedestrian safety education and 88 fifth grade classrooms with bike safety education and 'rodeos' serving a total of 44 local schools.	\$8,360	\$440	\$7,920
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
Every Day is Bike to Work Day	EA 03	Pilot bike commuter initiative to increase bike commuting at 6 large employers in Santa Cruz, Live Oak, and Watsonville areas; includes bike commute and safety workshops, online tracking apps/systems, support/encouragement	\$3,360	\$60	\$3,300

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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.	\$900	\$200	\$700
Ecology Action Total			\$18,810	\$3,705	\$15,105
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
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
County-wide Bicycle, Pedestrian and Vehicle Occupancy Counts	RTC-P50	Conduct counts to assess mode split over time and assess impact of new facilities.	\$432	\$232	\$200
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
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
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: \$300k/yr constrained (some from SB1); \$430k/yr total cost.	\$9,460	\$6,600	\$2,860
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/Panther Beach-Davenport (2.1 mi).	\$20,000	\$20,000	\$0
MBSST - Rail and Hwy 1 Bicycle and Pedestrian Crossing at Laguna Creek Beach	RTC 27d	Design, approval of CPUC, environmental clearance, and construction of a bicycle and pedestrian crossing of the rail line and Hwy 1 to provide access between the Coastal Rail Trail at Laguna Creek Beach and the parking area on the inland side of Hwy 1.	\$2,000	\$0	\$2,000
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
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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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.)	\$80,500	\$41,500	\$39,000
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
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
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
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
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
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
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
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
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
Regional State Transit Assistance Projects	RTC-P60	State Transit Assistance (STA) eligible transit projects	\$33,220	\$33,220	\$0
RTC Bikeway Map	RTC-P49	Update, print and distribute free SC County Bikeway Map and update GIS files as needed.	\$320	\$320	\$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
Santa Cruz Branch Rail Line Improvements	RTC 03a	Infrastructure preservation for current uses and future transportation purposes.	\$570	\$570	\$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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
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
Shared Parking Program	RTC-P57	Develop tools to allow adjacent property owners to develop and share parking facilities.	\$150	\$50	\$100
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
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
SCCRTC Total			\$572,732	\$199,482	\$373,250

SCCRTC/Caltrans

1 - Hwy 1 Corridor Investment Program	RTC 24a	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
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. Caltrans Project ID 05-0C732	\$32,100	\$32,100	\$0
3 - Hwy 1 Auxiliary Lanes: State Park Dr- Park Ave and Park Ave-Bay/Porter	RTC 24e	Construct approximately 2.5 miles of auxiliary lanes northbound and southbound between State Park Dr and Park Ave interchange and the Park Ave and Bay/Porter interchange. Includes retaining walls, soundwalls and reconstruction of Capitola Avenue overcrossing with wider sidewalks and bike lanes. [Part of Highway 1 CIP project (RTC 24a)]	\$73,000	\$73,000	\$0
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 24a), but listed here as standalone project.]	\$45,800	\$0	\$45,800
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 24a), but listed here as standalone project.]	\$67,330	\$0	\$67,330
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 24a), but is listed here as a standalone project.]	\$113,810	\$0	\$113,810
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 24a), but listed as a standalone project.]	\$41,100	\$0	\$41,100

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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 24a), but listed as a standalone project.]	\$66,800	\$0	\$66,800
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 24a), but listed as a standalone project.]	\$16,700	\$0	\$16,700
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 24a).]	\$8,800	\$8,800	\$0
95 - Hwy 1: Reconstruct Remaining Interchanges	RTC 24k	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 24a), but is listed here as a standalone project.]	\$127,200	\$0	\$127,200
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
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
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
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
Hwy 1 Ramp Metering: Northern Sections Between San Andreas Road and Morrissey Blvd	RTC 34	Reconfiguration of ramps and local streets to allow for ramp metering and installation of ramp meters. Could be expensed under a separate stand alone project (\$6.7 M)	\$0	\$0	\$0
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
SCCRTC/Caltrans Total			\$683,020	\$121,700	\$561,320
SCMTD					
ADA Access Improvements	MTD-P51	Add or improve ADA accessibility to all bus stops and METRO facilities.	\$4,222	\$350	\$3,872
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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
ADA Paratransit Vehicle Replacements	MTD 02	Replace buses/vans for ADA paratransit fleet (including Accessible Taxi program).	\$14,040	\$6,000	\$8,040
ADA Service Expansion	MTD-P11	Add capacity to meet increased trip demand thru 2040. Assumes 2% increase/year starting in 2019.	\$2,500	\$1,050	\$1,450
Automatic Vehicle Locator and Automatic Passenger Counter Systems	MTD 24	Automatic Vehicle Locator (AVL), Automatic Passenger Counters, and automatic vehicle announcing systems on METRO buses. Provide real time bus arrival/departure displays at bus stops. Necessary IT upgrades and data collection for system operations, security, planning and maintenance.	\$3,200	\$3,200	\$0
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
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
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
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
Bus Rebuild and Maintenance	MTD-P31	Rebuild engines; Fleet maintenance equipment. Avg. cost is ~\$250k/bus, increases useful life up to 8 years at 40% of the cost of new buses.	\$5,250	\$5,250	\$0
Bus Replacements	MTD-P04	Replace fleet at the end of normal bus lifetime (approximately every 12 years; \$675 each for local fixed route; \$900k each for Hwy 17 Over the Road coaches).	\$142,420	\$73,000	\$69,420
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
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
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
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
Electric Non-Fleet Vehicles	MTD-P47	Replace non-revenue vehicles to EV.	\$580	\$0	\$580
EV Fast Charging Stations	MTD-P48	Install 5 electric vehicle charging stations at transit centers.	\$1,030	\$0	\$1,030
Hwy 1 Express Buses	MTD-P27	Hwy 1 express bus replacements - 6 Buses @ \$500k ea. Replace every 12 years.	\$6,200	\$0	\$6,200
Hwy 17 Express Service - Continuation of Baseline Service Levels	MTD-P10B	Operation & maintenance cost of existing Highway 17 Express bus service. Avg annual cost: \$4.5M.	\$99,000	\$99,000	\$0
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)	\$10,000	\$4,000	\$6,000
Inter-County Paratransit Connection	MTD-P44	Establish paratransit connection location with Santa Clara County.	\$1,290	\$0	\$1,290
Local Transit - Continuation of Baseline Service Levels 2019-2040	MTD-P10	Operation & maintenance cost of existing local fixed route bus service. Avg annual cost: \$38M.	\$836,000	\$836,000	\$0

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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)	\$173,000	\$72,000	\$101,000
Maintenance Facility Expansion	MTD-P38	Property acquisition, design, and construction of maintenance facility expansion.	\$15,850	\$0	\$15,850
Metro facilities repair/upgrades	MTD-P36	Maintain and upgrade facilities.	\$6,270	\$4,300	\$1,970
Metro rebranding	MTD-P58	Develop marketing program and establish consistent brand with uniform signage, letterhead, ads.	\$500	\$0	\$500
Non-Revenue Vehicle Replacements	MTD-P32	Replace support vehicles.	\$3,450	\$1,200	\$2,250
Pacific Station- Bike Station	MTD-P49	Establish bike station at Pacific Station.	\$410	\$0	\$410
ParaCruz Mobile Data Terminals; Radios	MTD-P30	Replace mobile data terminals in vehicles	\$760	\$400	\$360
ParaCruz Operating Facility	MTD-P28	Design, Right-of-Way and construction for new ParaCruz Operating Facility.	\$12,400	\$0	\$12,400
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
Replacement of Watsonville Transit Center	MTD-P56	Replacement transit center at existing or new location.	\$25,000	\$0	\$25,000
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
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
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
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
Small Bus Fleet	MTD-P24	Purchase smaller buses for travel through residential neighborhoods. Cost currently unknown.	\$1,700	\$0	\$1,700
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
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
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
Transit Security and Surveillance Systems	MTD-P33	Enhance passenger safety and facilities security. Emergency response systems.	\$1,140	\$0	\$1,140

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
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
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
SCMTD Total			\$1,674,067	\$1,231,750	\$442,317
Seniors Council					
Senior Employment Ride Reimbursement	RTC-P43	Reimburse low income seniors for transit expenses to/from employer sites.	\$1,600	\$1,600	\$0
Seniors Council Total			\$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
Alternative Fuel/Electric Shuttle Vehicles	UC-P22	Capital acquisition of vehicles/conversion of shuttles to EV.	\$10,330	\$0	\$10,330
Bike Shuttle Vehicle Acquisition	UC-P51	Acquire more alt fueled vehicles for bike shuttle (and possible expansion).	\$520	\$0	\$520
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
College Nine/Communications Pedestrian Bridge	UC-P39	Construct pedestrian bridge.	\$1,030	\$0	\$1,030
College Nine/Crown College Pedestrian Bridge	UC-P37	Construct pedestrian bridge.	\$1,550	\$0	\$1,550
Coolidge Overlook	UC-P42	Improve overlook for parking, benches and signage for Sanctuary.	\$620	\$0	\$620
Disability Van Service	UC-P75	Operate disability van service (\$240k/yr).	\$5,450	\$5,450	\$0
East Collector Transit Hub	UC-P46	New transit hub at East Collector (East Remote) lot.	\$5,170	\$0	\$5,170
Electric Vehicle Charging Stations	UC-P65	Add additional electrical infrastructure and install electric vehicle charging stations around campus.	\$810	\$310	\$500
Great Meadow Bike Path Safety Improvements	UCSC 07	Bike path safety and maintenance improvements: Reconstruct and widen Class 1 bike path, separate pedestrian improvements northbound to minimize conflicts.	\$1,135	\$1,135	\$0
Hagar/McLaughlin Intersection Improvements	UC-P10	Signal, pedestrian safety improvements(including new crosswalk) and roadway improvements.	\$520	\$0	\$520
Hagar/Steinhart Intersection Improvements	UC-P14	Signal, pedestrian safety improvements, transit, roadway improvements.	\$1,030	\$0	\$1,030
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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
Heller Drive Bicycle Lanes (Empire Grade to Porter College)	UC-P56	Add Class II bicycle lanes in downhill direction as feasible.	\$830	\$0	\$830
Kerr/Porter Rd Pedestrian Bridge ADA Upgrades	UC-P72	Modify bridge to improve access.	\$3,100	\$0	\$3,100
Kresge/Core West Pedestrian Bridge: ADA Upgrades	UC-P57	Modify bridge to enhance ADA access.	\$3,100	\$3,100	\$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
Meyer Drive Extension/Jordan Gulch Bridges	UC-P04	Extension of Meyer Drive from existing Meyer Drive to Hagar Drive. Includes potential construction of two bridges, pedestrian, and bicycle facilities.	\$20,660	\$0	\$20,660
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
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
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
Pedestrian Directional Map/Wayfinding System	UC-P38	Develop and install signs throughout campus.	\$520	\$520	\$0
Porter/Performing Arts Pedestrian Bridge	UC-P36	Construct pedestrian bridge.	\$1,030	\$0	\$1,030
Science Hill/North Academic Core Pedestrian Bridge	UC-P40	Construct pedestrian bridge.	\$1,030	\$0	\$1,030
Sidewalk/Pedestrian Improvements	UC-P50	Widen sidewalks/improve ped access in areas of campus.	\$5,170	\$0	\$5,170
Spring Street Bikeway	UC-P34	Construct bikeway connecting Spring Street to Hagar Ct.	\$310	\$0	\$310
Steinhart Way Multimodal Improvements	UC-P03	Roadway improvements for shuttles, bikes and pedestrians.	\$520	\$0	\$520
Transit Pullouts and Shelters Enhancements	UC-P19	Construction and installation of transit pullouts and reconstruction of shelters throughout campus.	\$1,550	\$0	\$1,550
Transit Vehicles (ongoing)	UC-P23	Ongoing capital acquisition of transit vehicles for on-campus transit and University shuttles.	\$5,170	\$5,170	\$0
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
Traveler Safety Education/Information Programs	UC-P61	Bike/pedestrian safety programs; light and helmet giveaways, safety classes, distracted driver programs, bus etiquette program.	\$660	\$100	\$560
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
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
UCSC Bicycle Parking Improvements	UC-P33	Install bicycle parking facilities to serve bicycle commuters to the University.	\$520	\$520	\$0
UCSC Bike Loan Program	UC-P52	Develop and implement a bike loan program for UC students.	\$1,030	\$0	\$1,030

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
UCSC Bike Showers/Storage Lockers	UC-P32	Install showers and storage facilities to serve bicycle commuters to the University.	\$620	\$0	\$620
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
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
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
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	\$2,070	\$0
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
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
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
UCSC Transit Service	UC-P74	Operate the on campus shuttle service and Night Owl (\$3.01m/year).	\$68,410	\$68,410	\$0
UCSC Vanpool Program	UC-P63	Maintain, operate and expand upon UCSC vanpool program.	\$8,680	\$8,680	\$0
Zimride Emergency Preparedness Database	UC-P67	Creating a new database through Zimride to have emergency response evacuation of UCSC campus.	\$310	\$0	\$310
UCSC Total			\$288,095	\$178,445	\$109,650
<i>Various Agencies</i>					
Active Transportation Plan	VAR-P39	Prepare Active Transportation Plans that address bicycle, pedestrian, safe routes to schools and complete streets facilities within the jurisdictions of Santa Cruz County as well as the Santa Cruz Harbor Port District.	\$2,380	\$2,380	\$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	\$520	\$0
Bicycle Treatments for intersection improvements (ADD)	VAR-P32	Add painted bike treatments (such as buffered and/or painted bike lanes, bike boxes, bike detection and signals), at major intersections.	\$4,130	\$4,130	\$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	\$5,170	\$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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
Carsharing Program	VAR-P06	Program to assist people in sharing a vehicle for occasional use. Implementing Agency TBD, varies.	\$2,580	\$1,290	\$1,290
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	\$2,330	\$250
Complete Streets Implementation	VAR-P27	Additional projects for complete streets implementation that would fall under the Complete Streets Guidelines.	\$10,330	\$10,330	\$0
Coolidge Drive Reconstruction	VAR-P23	Reconstruction of roadway and bike lane.	\$3,100	\$0	\$3,100
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
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.)	\$800	\$80	\$720
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
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.	\$3,400	\$1,000	\$2,400
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
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
Live Oak Transit Hub	VAR-P46	Transfer node near rail corridor at 17th Ave - may include transit, rideshare, bicycle, bikeshare, pedestrian to provide regional connections to/from other parts of the county.	\$530	\$530	\$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
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

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
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
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
Mobility Management Center	VAR-P04	Centralized one-stop-shop for information and resources on specialized transportation options. May be combined with 511 and local senior information and assistance efforts. Implementing agency TBD. Est. annual cost: \$100-300k/yr.	\$7,750	\$0	\$7,750
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
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
Planning for Transit Oriented Development for Seniors	VAR-P25	Evaluate opportunities for Transit Oriented Development serving seniors including access to medical facilities.	\$80	\$80	\$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
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
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
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
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
Safe Routes to Schools Studies	VAR-P10	Studies to assess pedestrian and bicycle safety near schools.	\$210	\$210	\$0
Safety Plan	VAR-P36	Develop a safety plan that addresses traffic related injuries and fatalities for all modes of transportation.	\$310	\$310	\$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	\$200	\$1,800
School Complete Streets Projects	VAR-P35	Implement ped/bike programs and facilities near schools.	\$10,330	\$10,330	\$0

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Unconstrained
School Safety Programs	VAR-P19	Bicycle and walking safety education and encouragement programs targeting K-12 schools in Santa Cruz County including Ecology Action's Safe Routes to School and Bike Smart programs. Provide classroom and on the bike safety training in an age appropriate method. Provide a variety of bicycle, walking, busing and carpooling encouragement projects ranging from bike to school events, to incentive driven tracking, and educational support activities. Est. annual cost \$150k.	\$3,820	\$1,910	\$1,910
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
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
Transit Priority	VAR-P34	Install transit queues at major intersections.	\$5,170	\$2,585	\$2,585
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
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
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
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
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
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	\$51,650	\$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
Watsonville Transit Hub	VAR-P47	Expand transportation mode options at transfer node near rail corridor and current transit center to increase use of transit, rideshare, bicycle, bikeshare, pedestrian to provide regional connections to/from other parts of the county.	\$585	\$585	\$0
West Side Transit Hub	VAR-P45	Transfer node near rail corridor at Natural Bridges Dr - may include transit, rideshare, bicycle, bikeshare, pedestrian to provide regional connections to/from other parts of the county and the university.	\$580	\$580	\$0
Various Agencies Total			\$275,746	\$197,840	\$77,906
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
Volunteer Center Total			\$3,750	\$1,640	\$2,110

Project Title	ID	Project Description/Scope	Est total cost	Constrained	Uncon- strained
<i>Watsonville Airport</i>					
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
Watsonville Municipal Airport Operations	AIR-P02	Ongoing operations/maintenance. Average \$2M/year.	\$44,000	\$44,000	\$0
Watsonville Airport Total			\$65,700	\$65,700	\$0
Total Within Projected Funds (Constrained)				\$3,757,313	
Minimum New Funds Needed (Unconstrained)					\$3,356,681
*For some projects no cost estimate was available thus was not included in this total					