



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

AGENDA
Thursday, September 19, 2019
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 August 15, 2019 ITAC meeting – *Page 3*
6. Caltrans Updates – *Page 9*

REGULAR AGENDA

7. Status of ongoing transportation projects, programs, studies and planning documents
 - a. Verbal updates from ITAC members
8. Highway 1 Corridor Investment Program Update – *Page 16*
 - a. Staff report, Sarah Christensen
9. State Highway Operation and Protection Program (SHOPP) Update – *Page 30*
 - a. Staff report, Rachel Moriconi
 - b. Caltrans presentation, Gus Alfaro, Caltrans

10. 2022 Regional Growth Forecast and 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy (MTP/SCS) Update – *Page 42*
 - a. Memorandum and Presentation, AMBAG
11. Statewide Active Transportation Program (ATP) Advisory Committee and Cycle 5 Updates
 - a. Verbal Updates, Claire Fliesler, City of Santa Cruz and Jeanne LePage, Ecology Action
12. Other Transportation Program Updates
 - a. Verbal updates on RTC discretionary, state, federal, Measure D, and other programs
13. Next Meeting – The next ITAC meeting is scheduled for 1:30pm on October 17, 2019 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's
Interagency Technical Advisory Committee (ITAC)

DRAFT MINUTES
Thursday, August 15, 2019

RTC Conference Room
1523 Pacific Avenue, Santa Cruz, CA

ITAC MEMBERS PRESENT

Gus Alfaro, Caltrans District 5 Planning	Murray Fontes, Watsonville Public Works
Tim Bailey, County Public Works	and Watsonville Planning proxy
Teresa Buika, UCSC	Darrell Jordan, Scotts Valley Public Works
Piet Canin, Ecology Action	Wondimu Mengistu, Santa Cruz METRO
Barrow Emerson, Santa Cruz METRO	Anais Schenk, County Planning
Clair Fliesler (Chair), Santa Cruz Planning	Chris Schneiter, Santa Cruz Public Works
Paul Hierling, AMBAG	

Excused Absences: Kailash Mozumder, Capitola Public Works

RTC Staff Present: Sarah Christensen, Ginger Dykaar, Joanna Edmonds, Brianna Goodman, Rachel Moriconi, Luis Mendez, Tracy New, Guy Preston, Jason Thompson

Others Present: Matt Machado, County Public Works; Pete Rasmussen, Santa Cruz METRO; Gina Cole, Bike Santa Cruz County

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1. **Call to Order:** Chair Fliesler called the meeting to order at 1:33 p.m.
 2. **Introductions:** Self introductions were made.
 3. **Oral communications:** Piet Canin announced that the 2019 National Drive Electric Week will be taking place Downtown Santa Cruz from September 14-22.
 4. **Additions, deletions, or other changes to consent and regular agendas:** Letters from Ecology Action and Bike Santa Cruz County were handed out for Item 10. The agenda was modified to take Item 10 in advance of Item 8. Item 9 was tabled to a future meeting.

CONSENT AGENDA

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

5. **Approved Minutes of the April 18, 2019 ITAC meeting**
6. **Received Caltrans Updates**
7. **Received Article: "Senate EPW Committee Unanimously Advances Five-Year Surface Transportation Bill" AASHTO Journal, August 2, 2019**

REGULAR AGENDA

10. RTC Transportation Funding Updates and Recommendations – *Item moved ahead of Item 8 by Chair Flesler*

Rachel Moriconi discussed the different RTC discretionary funding sources and reported that at the June 06, 2019 RTC meeting the Commission indicated its intent to distribute the current cycle of Surface Transportation Block Grant Program/Regional Surface Transportation Program Exchange (STBG/RSTPX) funds by formula to local jurisdictions, directed staff to work with cities and the County to determine the formula for STBG/RSTPX funds, and directed staff to discuss options for other RTC discretionary funds with stakeholders. Ms. Moriconi provided an overview of proposals discussed by representatives of public works departments and city managers, Santa Cruz METRO, and others on how to distribute RTC discretionary funds and the proposal allocation formula for the region's share of STBG/RSTPX funds this programming cycle. She asked that ITAC members provide input into the proposals to:

- a. Program the region's shares of FY18/19-FY20/21 Surface Transportation Block Grant Program/Regional Surface Transportation Program Exchange (STBG/RSTPX) funding (approximately \$10 million total) by population formula to cities and the County of Santa Cruz, with a minimum of 5% of revenues to each jurisdiction;
- b. Program up to \$350,000 of STBG/RSTPX funds (estimated pre-FY18/19 RSTPX balances) for transportation projects identified by non-governmental community organizations, University of California at Santa Cruz (UCSC), and others through a competitive process;
- c. In order to leverage potential state grants, continue to implement regional priorities in the preferred scenario of the Unified Corridor Investment Study, program the RTC's formula shares of State Transportation Improvement Program (STIP), Local Partnership Program (LPP), and one-time Highway Improvement Program (HIP) funds to the Highway 1 Auxiliary Lanes/Bus on Shoulders and Chanticleer Bicycle/Pedestrian Overcrossing regional projects;
- d. Hold in abeyance for three years a 2017 RTC decision that gradually reduces the allocations of the region's population shares (PUC 99313) of STA and SGR funds to METRO from 100% in FY18/19, 85% in FY19/20, 80% in FY20/21, and 75% in FY21/22, with the balance (approximately \$1.5 million over 3 years) available through a competitive process; and instead pass through all but \$100,000 in STA funds per year (FY19/20-21/22) to METRO; and
- e. Allocate \$100,000 per year of the RTC's 99313 shares of FY19/20-FY21/22 State Transit Assistance (STA) funds to Community Bridges Lift Line. Program the balance of the RTC's share of FY19/20 State Transit Assistance (STA) and 100% of the region's FY19/20 SB1-transit State of Good Repair funds to Santa Cruz METRO.

Ms. Moriconi noted that additional proposals have included allocating some STBG/RSTPX funds off the top to METRO, allocating additional Transportation Development Act (TDA) funds off the top for bicycle and pedestrian encouragement and safety programs, having a consolidated competitive process focused on regionally significant projects, prioritizing cost increases or

additional funding needs on previously programmed projects for all funding sources, and programming \$100,000 in Measure D funds included in the Highway 5-year plan for Transportation Demand Management (TDM) as part of a competitive process. Guy Preston requested that the committee consider proposals to allocate \$350,000 of STBG/RSTPX funds to community groups on a competitive basis and \$100,000 per year to METRO. He noted METRO is an eligible recipient for STBG/RSTPX funds, has previously received these funds, and that an allocation of \$200,000 to METRO would be a decrease from an earlier suggestion which would have redirected \$400,000 of TDA funds currently allocated to cities and the County to METRO instead. Mr. Preston suggested that allocating some STBG/RSTPX funds directly to METRO, in addition to the proposals outlined in the staff report, is a holistic way to try to ensure that everyone has funding.

ITAC members discussed the proposals outlined in the staff report, as well as the potential to bypass a competitive process and instead program \$150,000 to Ecology Action, \$50,000 to Bike Santa Cruz County, and \$100,000 to METRO per year for FY19/20 and FY20/21 (\$600,000 total). Matt Machado suggested continuing discussions on providing longer term certainty of funding amounts for all entities and proposed a \$200,000 competitive pot for non-profit organizations, comprised of \$100,000 in TDA funds currently allocated to cities and the County and \$100,000 from the Measure D Highway-TDM fund. Chris Schneider stated that the City of Santa Cruz would not want to lose any TDA funds and uses its TDA allocations on bicycle educational, infrastructure, and maintenance programs; he wondered how regional infrastructure projects like the Highway 1/9 intersection and project on Highway 1/Mission St. would be funded in the future. Piet Canin provided an overview of Ecology Action's programs and services and discussed how accessibility to RTC funding sources has been pivotal to support Ecology Action's efforts. Barrow Emerson noted criteria for any competition would influence which projects receive funds, expressed concern that a few agencies would be required to compete for a small amount of funding and stated that METRO staff vehemently opposes any proposal that does not include STBG/RSTPX funds for METRO. Mr. Emerson suggested that METRO be apportioned \$100,000 a year of RSTPX funds, and recommended that the RTC hold in abeyance its 2017 policy to gradually reduce direct allocations of STA and SGR funds to METRO, and instead allocate \$300,000 STA to Lift Line over the next three years (\$100,000 per year) and the balance to METRO, and supported allocating other discretionary funds towards RTC's Highway 1 projects. Teresa Buika stated that while UCSC does not anticipate applying for funds this cycle, she asked to ensure that UCSC remain eligible and not be cut out of funding opportunities in future STBG/RSTPX cycles. Chair Fliesler brought up the RTC's commitment to backfill \$6.4 million to the Harkins Slough Rd Bike/Pedestrian Overcrossing with STBG/RSTPX or STIP if the project is not awarded Active Transportation Program (ATP) funds by the California Transportation Commission (CTC). This commitment is one of the reasons why formula distribution of RSTPX should not be set in perpetuity. Ms. Fliesler noted that the proposed distribution of funds proportionally reflects historical distribution of funds. Rachel Moriconi noted that available STBG/RSTPX amounts assume \$1,574 total taken off the top for the League of Cities/California State Association of Counties (CSAC)/RTPA 2020 and 2022 statewide Local Streets and Roads Needs Assessments. Murray Fontes expressed concern that some entities would be excluded from funding, noting suggestions have been made to provide some funding to Ecology Action and Bike Santa Cruz County.

The ITAC approved a motion (Fontes/Fliesler on a vote of 9 "yes", 2 "no", and 2

“abstentions”) to accept the recommendations outlined in the staff report, with Item b. revised as follows: Set aside \$350,000 of RSTPX funds and \$100,000 in Measure D Transportation Demand Management (TDM) funds [included in the existing Measure D Highway Corridors 5-year plan] for \$450,000 total this cycle that would be available on a competitive basis for applicants other than the four cities and the county. Members Bailey, Schneider, Jordan, Fontes (including Watsonville Planning proxy), Schenk, Fliesler, Canin, and Buika voted yes; Emerson and Mengistu voted no; Alfaro and Hierling abstained.

Daryl Jordan, Matt Machado, and several Commission staff left the meeting following Item 10.

8. Alternative Analysis for High Capacity Public Transit in Rail Corridor Update

Ginger Dykaar, Senior Transportation Planner, provided an update on the Alternatives Analysis for High Capacity Public Transit in the Santa Cruz Branch rail corridor, which included an overview of the RTC’s ownership of the Santa Cruz Branch Rail Line, subsequent plans and studies, and Measure D requirements.

9. Cruz511 Traveler Information Program Update

Item 9 was postponed to a future meeting due to time constraints.

11. Draft 2019 Public Participation Program

Rachel Moriconi and Paul Hierling reported that the Public Participation Program ensures compliance with federal regulations as it relates to public participation for the Association of Monterey Bay Area Governments and transportation planning agencies in Santa Cruz (RTC), Monterey, and San Benito Counties. The public participation plan will be used for each county’s Regional Transportation Plan. Staff recommended the ITAC review the draft plan. Comments on the draft plan are due August 28, 2019. Staff recommended that ITAC members also share outreach strategies that are effective for engaging members of the community in transportation planning, programming and project implementation with RTC staff Shannon Munz.

12. Status of ongoing transportation projects, programs, studies and planning documents

Santa Cruz Public Works - Chris Schneider reported that the right-of-way phase continues for the Highway 1/9 intersection project. He reported that the following projects will be going out to bid: River St. paving (partially STIP-funded); Safe Routes to School projects; and Monterey Bay Sanctuary Scenic Trail Network (MBSST) Segment 7 - Phase 1. He also provided updates on the Segment 7-Phase 2 project.

Watsonville Public Works and Planning Proxy - Murray Fontes reported that construction for the Airport Blvd. project is completed, that a contract has been awarded for the Bike Safety Improvements Project, which includes green lanes, that construction of multi-modal improvements to Green Valley Road is slated for the Fall, and that the City of Watsonville submitted a construction allocation request to the California Transportation Commission (CTC) for a portion of Segment 18.

AMBAG – Paul Hierling reported that there were no major updates.

METRO – Barrow Emerson recommended bus riders watch for service alerts.

Caltrans – Gus Alfaro asked that committee members refer to the project updates list included in the consent agenda. He also announced that a project initiation document (PID) is under development for a soldier pile wall and roadway restoration project on Highway 236, with a construction timeline of 2022/23. Highway 129 roundabout project information is being circulated to residents and other stakeholders.

County Public Works – Tim Bailey reported that the County recently completed storm damage projects on Eureka Canyon Road, Mountain and Grove Streets in Boulder Creek, and Felton-Empire; and completed three stripping and guardrail projects throughout the county. He stated that storm damage repair work is starting on Glen Haven Road, Mount Charlie Road, Grove Street, Bean Creek Road, and Lompico Road. He also said that the County's Measure D-funded resurfacing project is close to completion, and that the County is working on a guardrail project on La Madrona Drive and a Capitola Road emergency culvert repair. The County is going out to bid on three additional storm damage sites soon.

County Planning – Anais Schenk reported that the General Plan is undergoing a massive update, as well as code modification. The County is also working with others on Senate Bill 743 implementation.

University of California Santa Cruz (UCSC) – Teresa Buika reported that the RSTPX/ATP-funded Great Meadow bike path is under final design and that construction is scheduled for Summer 2020. UCSC is using part of the ATP grant for bike safety and working to create a 4-year bike safety education program in partnership with Ecology Action. UCSC is also working with the RTC and other stakeholders on the Ride Amigos commute platform. The East Remote parking lot is under reconstruction, it will include electric vehicle charging stations, and it is expected to be completed by Fall 2019.

Ecology Action (EA) – Piet Canin reported that EA is also working with UCSC, City of Santa Cruz, and the RTC to kick off Ride Amigos, in addition to collaborating with the City of Santa Cruz for the downtown Go Santa Cruz TDM project. Mr. Canin stated that EA is kicking off the RSTPX-funded Cycle September Bike Challenge, that October 3rd is Fall Bike to Work/School Day, and that Measure D Neighborhood-funded bike/pedestrian youth safety programs are being rolled out at schools throughout the county. He noted that EA advocated in support of Segment 7-Phase 2 to the Coastal Commission, is undertaking on-going National Drive Electric Day outreach efforts, is wrapping up Safe Routes to School projects with the County and the cities of Watsonville and Scotts Valley, and that EA is starting the planning process for an Active Transportation Plan for Scotts Valley.

Bike Santa Cruz County (BSCC) – Gina Cole reported that as part of BSCC's Earn-A-Bike Program, youths were served this summer at the Boys and Girls Club with high school mentors volunteered as bike techs for middle schoolers, and approximately 280 bikes were given in the last few years to youth in the county; she noted that Earn-A-Bike programs are planned for Watsonville, Live Oak, and Santa Cruz in the Fall. Ms. Cole reported that there will be a pop-up delineated bike lane on 17th Avenue from Brommer St. to Felt St. in October, and that BSCC

continues to work towards having a bike/ped trail along the rail corridor.

City of Santa Cruz Planning – Clair Fliesler reported that the City of Santa Cruz applied for Proposition 68 grants for Segment 7- Phase 2 and the Riverwalk rehabilitation, that the Go Santa Cruz program is kicking off, an expanded TDM project targeting downtown employees, being implemented in partnership with METRO, Ecology Action, JUMP, RTC, will be kicking off soon. The Project goal is to leverage all local transportation partnerships and meet people where they are and offer as many alternatives for how downtown employees get to work.

Santa Cruz County Regional Transportation Commission (RTC) – Rachel Moriconi reported that the California Transportation Commission approved allocation to the RTC for environmental review of the Highway 1 Bay Porter/State Park Dr. Auxiliary Lanes Project, that the design phase for the Highway 1 41st/Soquel Ave. Auxiliary Lanes and Chanticleer Ped/Bike Bridge is underway, and that the RTC expects to seek competitive SB 1 grant programs run through the CTC for that project which includes Bus on Shoulders – achieved through close collaboration with Caltrans. Ms. Moriconi also reported that the final Highway 9/ San Lorenzo Valley Complete Streets Corridor Plan was adopted in June 2019 and is available on the RTC website: <https://sccrtc.org/projects/streets-highways/hwy-9-plan/>.

13. Other Transportation Program Updates

Staff reported on various state and federal funding programs: SB 1 Local Streets and Roads Expenditure Reports are due to the CTC by October 1, 2019. Measure D annual expenditure reports are due by December. FTA 5310 Program applications are due Sept. 6th. Senate Committee on Environment and Public Works approved a federal reauthorization proposal. The Active Transportation Program (ATP) bill that could have significantly changed the program did not move forward, another project/applicant meeting is being discussed. Claire Fliesler noted ATP Cycle 5 trainings should start this Fall and that applicants should start public participation for projects now. Caltrans is hosting a workshop on the Interregional Transportation Strategic Plan (ITSP) on Sept. 17th in Salinas – which could influence the availability of funding for interregional projects. California Department of Housing & Community Development released information for Senate Bill 2 planning grants and assistance to accelerate housing production. METRO's proposal for SB1 State of Good Repair funds will be considered at the September RTC meeting. Anais Schenk recommended that agencies follow state proposals which could affect developer impact fees.

14. Next Meeting – The next ITAC meeting is scheduled for 1:30pm on September 19, 2019 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.

Meeting adjourned at 3:33 p.m.

Caltrans Announcements - September 9, 2019

New Caltrans Director & Chief Deputy Director appointed (released Sept. 3, 2019)

- Governor Gavin Newsom recently appointed Toks Omishakin, 43, of Nashville, Tennessee as Director of the California Department of Transportation.
- Since 2011, Omishakin has served as deputy commissioner for the environment and planning at the Tennessee Dept. of Transportation.
- He also served as director of Healthy Living Initiatives in the Nashville Mayor's Office from 2008 to 2011, and vice chairman of AASHTO's Active Transportation Council and chair of its Multimodal Task Force.
- Omishakin holds a Master of Arts degree in urban and regional planning from Jackson State University.
- James Davis, 54, of Davis was also appointed as Caltrans' Chief Deputy Director.
- Davis has held multiple positions at Caltrans, including Senate Bill 1 program manager, Bay Area District Director, Division Chief of Project Management and Transportation Planning, Division Chief and Deputy Division Chief of Engineering Services and more since 1988.
- Davis holds a B.S. in civil engineering from the University of Kansas.

Call for Projects: 2020-21 Caltrans Sustainable Transportation Planning Grants & Upcoming Workshop (released Aug. 16, 2019)

- Caltrans is offering about \$34 million statewide for projects encouraging local and regional planning furthering state goals (\$29.5 million) as well as identifying and addressing statewide, interregional and regional transportation deficiencies on the state highway system in partnership with Caltrans (\$4.5 million).
- Funds are provided by traditional state and federal funding, and Senate Bill 1, the Road Repair and Accountability Act of 2017.
- Caltrans is hosting a webinar to assist applicants on **Tuesday, September 18, 2019** from 9:00 -11:00 A.M.
 - WebEx Only: <https://d20u3150ea-caltrans.webex.com/meet/vtc.webex2dot.ca.gov>; Meeting ID: 920 552 199
 - Audio only: Dial #: (877) 275-9977; Access Code: 4650110
- Awards are scheduled to be announced in spring 2020.
- Deadline to submit applications to Caltrans is **5 p.m. Friday, October 11, 2019**. More information: <http://www.localassistanceblog.com/wp-content/uploads/2019/08/Final-FY-20-21-STP-Grant-Guide.pdf>

CTC News – Rescheduled workshop on how transit projects are delivered (ongoing release)

- The California Transportation Commission will host a workshop on how transit projects are delivered from **10 a.m. to 2 p.m. Monday, Sept. 30**, at Caltrans Headquarters, 1120 N Street, Sacramento, Basement Conference Room.
- Transit operators are invited to share the unique challenges of delivering transit projects.
- The CTC will use the information obtained to further develop the Senate Bill 1 guidelines for competitive grant programs.
- Stakeholders are welcome to attend in person or by phone.
- The agenda and additional details are forthcoming and will be made available prior to the meeting. More information: Contact Teresa Favila, Associate Deputy Director, at 916-653-2064 or Teresa.Favila@catc.ca.gov & <https://catc.ca.gov/-/media/ctc-media/documents/ctc-workshops/2019/2019-transit-workshop-a11y.pdf>

ATP News – Active Transportation Program Symposium - **October 29-30, 2019**

- The Active Transportation Program Symposium is a two-day event co-hosted by the California Transportation Commission and Caltrans. The goals of the symposium are to share and gather information on relevant active transportation topics and issues, and allow stakeholders to connect with the State in an alternate setting. The symposium will showcase inspiring speakers, engaging panel sessions, and provide networking opportunities. Topics will include benefits, equity, safety and non-infrastructure projects.
- Registration and additional information: <http://caatpresources.org/index.cfm?pid=1489>

ATP News - Interim ATP Count Guidance (issued 08/19/19)

- Caltrans Local Assistance released Office Bulletin (OB) 19-02. All projects seeking Construction Allocation at the October 2019 California Transportation Commission (CTC) meeting, and after, will be required to use the Draft Interim Count Guidance (ICG) to perform pre-construction user counts prior to construction award and post-construction user counts in accordance with the ICG instructions.
- This new guidance shall be used by Active Transportation Program (ATP) project sponsors to help ensure the capture and reporting of consistent and reliable non-motorized user counts.
- Refer to **OB 19-02 Interim ATP Count Guidance** for more information. <https://dot.ca.gov/programs/local-assistance/guidelines-and-procedures/division-of-local-assistance-office-bulletins-dla-obs>

Local Road Safety Plan/Highway Safety Improvement Program (HSIP) Updates (released Sept. 11, 2019)

- Caltrans wrapped up two webinars on the new Local Road Safety Plan (LRSP) in September. These plans are optional for the Highway Safety Improvement Program Cycle 10 call for applications and, at this time, is considered mandatory for Cycle 11 applications.
- There will be a workshop for LRSP Grants at Sacramento State University in November (date and time to follow). Keep your eye out for formal announcement from Caltrans Local Assistance.

Strategic Growth Council News – Funding coming for climate change research (released Sept. 4, 2019)

- The Strategic Growth Council recently approved three research focus areas for Round 3 investments of the Climate Change Research Program.
- Round 3 will provide \$4.75 million for research:
 - Supporting and protecting vulnerable communities from climate change impacts
 - Accelerating and supporting transitions to climate smart communities and/or
 - Integrating land use, conservation and management into the state's climate change programs
- Other research topics (not covered in Round 3) are encouraged, including those combining climate vulnerability and adaptation needs with climate mitigation efforts and/or addressing and integrating social dimensions of change.
- The Notice of Funding Availability is scheduled for release in **November 2019**. More information: <http://sgc.ca.gov/news/2019/09-04.html>

CARB News – Climate pollution continues dropping below 2020 target; Major climate investments set annual record (released Aug. 12, 2019 and Aug. 26, 2019)

- Greenhouse gas emissions (GHG) in California continue to decline ahead of target schedule as the state economy grows above the national average, according to the California Air Resources Board's latest state inventory.
- Since the state began tracking emissions, the power grid is using more energy from zero-emission sources like solar and wind power than from electrical generation powered by fossil fuels.
- Emissions from transportation did not rise as fast as in previous years.
- In 2017, GHG emissions fell below the 2020 reduction target—the second year in a row—of 431 million metric tons established by AB 32, the Global Warming Solutions Act of 2006.
- The carbon intensity of the state's economy also continued to decline by 4.5 percent since 2016, and the per capita emissions continued dropping by 2 percent.
- In 2017, California's economy grew 3.6 percent – 1.4 percent higher than the national average, according to the state Department of Finance. More information: <https://ww2.arb.ca.gov/news/governor-newsom-announces-climate-pollution-continues-drop-below-2020-target-while-states>
- Climate investments are moving forward significantly.
- In the first six months of this year, over 20 state agencies implemented \$914 million in projects statewide.
- 32,700 projects funded by the Transformative Climate Communities Program include building affordable housing near transit, with 4,100 affordable housing units under contract, 40,000 rebates for zero emission and plug-in hybrid vehicles; and wildfire protection
- More than 60 percent of investments now go toward projects benefiting low-income and environmentally disadvantaged communities. More information: <https://ww2.arb.ca.gov/news/california-climate-investments-track-set-annual-record-more-900-million-projects-statewide>



PROJECT UPDATE – SANTA CRUZ COUNTY

PREPARED FOR THE SEPTEMBER 5, 2019 SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION MEETING

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	1C85U combines two projects 1C850 and 1F520 for construction. Ten Accessible Pedestrian Signal (APS) locations also added to 1C85U. Construction is underway and scheduled for completion in May 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 Spring 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.
5.	Highway 17 Storm Water Mitigation (0Q600)	North of the Fishhook to Sims Road (PM 0.7-1.4)	Construct multiple storm water improvements	Winter 2017- May 10, 2019	\$7.4 million	SHOPP	Doug Hessing	Graniterock, Watsonville, CA	Project is completed and accepted on May 10, 2019.



PROJECT UPDATE – SANTA CRUZ COUNTY

PREPARED FOR THE SEPTEMBER 5, 2019 SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION MEETING

PROJECTS UNDER CONSTRUCTION (Cont'd.)

	Project	Location Post Mile (PM)	Description	Construction Timeline	Construction Cost	Funding Source	Project Manager (Resident Engineer)	Contractor	Comments
6.	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 November 2020.
7.	Highway 152 Americans with Disabilities Act (ADA) (1E020)	Near Watsonville from Wagner Avenue to south of Holohan Road (PM 1.3-R2.0)	Install sidewalks for ADA compliance	Spring 2019	\$1.9 million	SHOPP	Mike Lew	Granite Construction Company, Watsonville, CA	Construction started in the first week of April 2019.
8.	Pedestrian Signal Upgrades (1G160)	Various Locations: Highways 1, 9, 17, 129, and 152	Install Accessible Pedestrian Signal (APS)	January 2019	\$ 1.8 million	SHOPP	Mike Lew	Crosstown Electrical & Data, Inc	The project was awarded to Crosstown Electrical & Data, Inc and is scheduled to begin sometime this month.

PROJECTS IN DEVELOPMENT

	Project	Location Post Mile (PM)	Description	Construction Timeline	Estimated Construction Cost	Funding Source	Project Manager	Phase	Comments
9.	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	



PROJECT UPDATE – SANTA CRUZ COUNTY

PREPARED FOR THE SEPTEMBER 5, 2019 SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION MEETING

PROJECTS IN DEVELOPMENT (Cont'd.)									
	Project	Location Post Mile (PM)	Description	Construction Timeline	Estimated Construction Cost	Funding Source	Project Manager	Phase	Comments
10.	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.
11.	Highway 1/ Highway 17 Ramp Safety Improvements (1H060)	From the fishhook to Pasatiempo overcrossing (PM 16.7)	Construct ramp safety improvements	Spring 2020	\$5.8 million	SHOPP	Luis Duazo	PS&E/RW	
12.	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.
13.	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.
14.	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.



PROJECT UPDATE – SANTA CRUZ COUNTY

PREPARED FOR THE SEPTEMBER 5, 2019 SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION MEETING

PROJECTS IN DEVELOPMENT (Cont'd.)									
	Project	Location Post Mile (PM)	Description	Construction Timeline	Estimated Construction Cost	Funding Source	Project Manager	Phase	Comments
15.	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	
16.	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.
17.	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
18.	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.
19.	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	



PROJECT UPDATE – SANTA CRUZ COUNTY

PREPARED FOR THE SEPTEMBER 5, 2019 SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION MEETING

PROJECTS IN DEVELOPMENT (Cont'd.)									
	Project	Location Post Mile (PM)	Description	Construction Timeline	Estimated Construction Cost	Funding Source	Project Manager	Phase	Comments
20.	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	
21.	Crosswalks and Pedestrian Safety Enhancements (1G760)	Various Locations: Highways 1, 9, 129, and 152	Install Electrical / Signs / Markings / Pavement	Fall/Winter 2019	\$1.2 million	SHOPP	Ken Dostalek	PS&E	Project is at 95% PS&E SCR 1 @ PM 18.8 (Laurent Street) SCR 9 @ PM 9.51 (Main Street) SCR 129 @ PM 0.23 (near SR1) SCR 152 @ PM T3.161 (Marchant Street)
22.	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
23.	Highway 236 Heart Hill Wall (1M450)	Near Boulder Creek (PM 5.4)	Construct soldier pile wall and restore roadway	2022/2023	\$1.8 million	SHOPP	TBD	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

AGENDA: September 19, 2019

TO: Interagency Technical Advisory Committee

FROM: Sarah Christensen, P.E., Senior Transportation Engineer

RE: Highway 1 Corridor Investment Program Update

RECOMMENDATIONS

This item is for information only.

BACKGROUND

The RTC, in cooperation with Caltrans and the Federal Highway Administration (FHWA), prepared a combined Environmental Impact Report/Environmental Assessment (EIR/EA) for the Tier I programmatic-level long range vision for the Highway 1 corridor and the Tier II (project level) 41st/Soquel Auxiliary Lanes and Bike/Ped Overcrossing Project. The Final EIR/EA was certified in January 2019.

In 2018 the RTC advanced and implemented the final design for the Highway 1 41st/Soquel Auxiliary Lanes and Bike/Ped Overcrossing Project to achieve project readiness for funding opportunities. Earlier this year the RTC entered into a Cooperative Agreement with Caltrans and awarded a consultant contract for the preliminary engineering and environmental phase of the Highway 1 Bay/Porter to State Park Auxiliary Lanes Project. Completion of the project level environmental document will help to demonstrate project readiness for future state and federal funding applications.

DISCUSSION

Below is an update on the Highway 1 Corridor Investment Program of projects under development. The projects include auxiliary lanes to improve mainline operations on Highway 1, Bus on Shoulder to improve transit travel time and reliability of METRO commuter routes, and new bicycle and pedestrian overcrossings to provide connectivity and access over Highway 1. Fact sheets for the projects under development are included as [Attachment 1](#).

Highway 1 41st/Soquel Auxiliary Lanes Project

The final design and right of way phases are underway for the Highway 1 Auxiliary Lanes Project between the 41st Avenue and Soquel Avenue/Drive interchanges which includes construction of northbound and southbound auxiliary lanes and a new pedestrian and bicycle overcrossing at Chanticleer Avenue. The 95% Plans, Specifications, and Engineer's Estimate was submitted to Caltrans for review on

September 3, 2019. The right of way needs for this project include partial acquisitions for the construction of the bicycle and pedestrian overcrossing at Chanticleer Avenue, which are being led by the County of Santa Cruz Real Property Division through an agreement with the RTC. A community meeting will be scheduled this fall to consider the aesthetic treatments for the new bridge.

Measure D and State Transportation Improvement Program (STIP) funds are being used for this project. By advancing the design, this project is expected to be ready for construction in 2020, dependent on construction funding. The current estimated cost for construction is \$34.8 Million (capital and support). Although Measure D funds can be used for the construction phase, additional funding is needed to fully fund the project by 2020. Staff is considering applying for Senate Bill 1 (SB1) funding programs, including Solutions for Congested Corridors Program (SCCP), Active Transportation Program (ATP) and Local Partnership Program (LPP) funds for construction of this project in Cycle 2. Cycle 2 will have a call for projects early next year and will program a total of \$700M of funds between the SCCP and LPP to transportation projects that are environmentally cleared and construction-ready within FY 20/21, 21/22 and 22/23.

Highway 1 Bay-Porter/State Park Auxiliary Lanes

The preliminary engineering and environmental phase of the Highway 1 Auxiliary Lanes Project between the Bay Avenue/Porter Street and State Park Drive interchanges is underway. This project proposes to construct northbound and southbound auxiliary lanes between the Bay Street/Porter Avenue and Park Avenue, and Park Avenue to State Park Drive interchanges on Highway 1, rehabilitate freeway pavement, construct drainage facilities, and construct retaining walls and soundwalls. The project also includes the replacement of the Capitola Avenue Overcrossing.

The RTC awarded a consultant contract and entered into a Cooperative Agreement with Caltrans at the June RTC meeting, with the RTC as the implementing agency for the environmental phase of the project. Since that time, the consultant began work on preparing the traffic studies and geometric design for the improvements. A kick-off meeting with the Project Development Team (PDT), consisting of RTC, Caltrans, County of Santa Cruz, City of Capitola, and consultants occurred on July 18, 2019. The Notice of Preparation (NOP) is being drafted and is expected to be released by Caltrans for public review this fall. Environmental clearance is scheduled to be complete in mid-2021.

The total cost for the project is estimated to be approximately \$83M (capital and support). The preliminary engineering and environmental phase, including the consultant contract for the preliminary engineering and environmental work, is funded by STIP and Measure D. The RTC received its STIP allocation of \$1.83 million for this phase of work at the August CTC meeting. The final design phase of this project is funded by Measure D. To fund construction, staff is targeting future cycles of SCCP and LPP, due to these programs now requiring environmental clearance to be obtained prior to the application deadline.

Highway 1 Mar Vista Bicycle and Pedestrian Overcrossing

The Highway 1 bicycle and pedestrian overcrossing at Mar Vista Drive in Aptos will construct a new bridge connecting the north and south sides of Highway 1, improving connectivity to the active transportation network. The County of Santa Cruz Public Works Department is the implementing agency for this project. The project-level environmental analysis is scheduled to begin this year, which is funded by prior year's Regional Surface Transportation Program Exchange (RSTPX) program and Measure D. \$6.78 million STIP has been programmed for design, right-of-way, and construction.

Highway 1 Bus on Shoulder

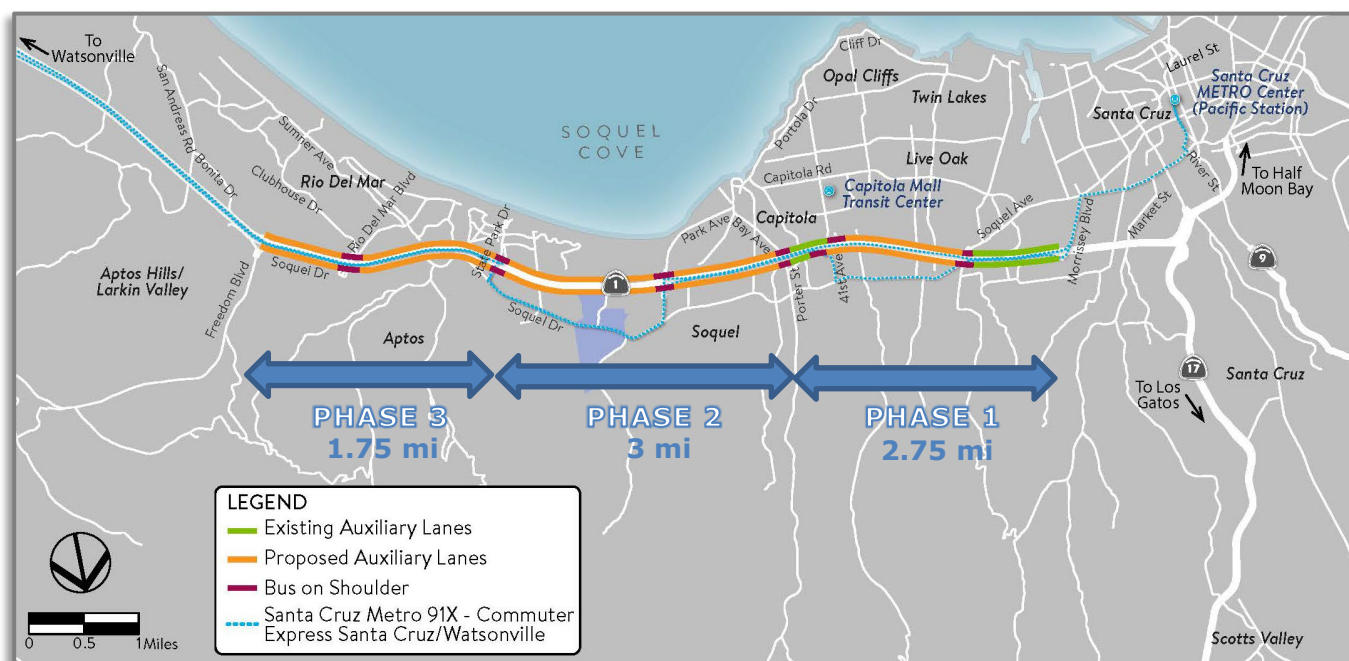
In August of 2018, the Santa Cruz Metropolitan Transit District (METRO) contributed \$50,000 for the RTC's Highway 1 design consultant to prepare the Concept of Operations (ConOps) for the Bus on Shoulder (BOS) facility on Highway 1 between Morrissey Boulevard and Freedom Boulevard. The ConOps was reviewed and accepted by Caltrans and the California Highway Patrol (CHP) earlier this year. A letter of support from Caltrans District 5 was received for the Bus on Shoulder Project, included as [Attachment 2](#).

This will be the first bus on shoulder facility in the state, therefore standards do not exist for signing and pavement markings in the Manual for Uniform Traffic Control Device (MUTCD). Approval from the California Traffic Control Device Committee (CTCDC) for experimental use of non-standard signage and pavement markings was required in order to implement this project on the state highway system. Staff presented the project's signing and pavement marking concept to the committee at the August 8, 2019 meeting in Sacramento. The committee approved the signing and pavement markings for experimental use, and also granted approval to use red colored pavement in the future at the discretion of the project stakeholders (Caltrans, CHP, RTC, and METRO) if once operational enforcement issues are encountered, without having to come back to the committee for approval.

The Bus on Shoulder projects will be combined with the auxiliary lanes projects and implemented in phases. Two of the three phases of the Bus on Shoulder facility are under development:

- (1) Between the Morrissey Boulevard and Bay/Porter interchanges, in the final design phase included in the Highway 1 41st/Soquel Auxiliary Lanes Project, and
- (2) Between the Bay/Porter and State Park Drive interchanges, in the preliminary engineering and environmental phase included in the Highway 1 Bay-Porter/State Park Auxiliary Lanes Project.

The third and final phase of the Bus on Shoulder Facility between the State Park Drive and Freedom Boulevard interchanges will be implemented as part of a future auxiliary lanes project. A map showing the phased implementation of the Bus on Shoulder Projects along Highway 1 are shown in the map below:



Future Projects

Staff is considering beginning the environmental phase of the next auxiliary lanes project to the south later this year, between the State Park Drive and Freedom Boulevard interchanges. This project is consistent with the preferred scenario in the Unified Corridor Investment Study (UCS) adopted by the RTC earlier this year and would complete the auxiliary lanes projects in the program. Environmental clearance is a requirement for SCCP applications. Therefore, it is necessary to start this work soon in order to complete the environmental phase for SCCP Cycle 3 grant application deadlines, which is expected in about 27-months.

FISCAL IMPACT

This report is informational only and there are no new fiscal impacts. The various projects in the Highway 1 Corridor Investment Program are funded by a combination of funding sources, including STIP, Measure D, RSTPX, and Metro funds. In general Measure D and RTC-discretionary funds will be used to leverage state and federal grants to fully fund the projects through construction. Fiscal impacts for future decisions will be included when staff recommends actions on those proposed projects.

SUMMARY

This report provides an update on the Highway 1 Corridor Investment Program of projects, including the auxiliary lanes, bus on shoulders, and bicycle and pedestrian bridges under development.

ATTACHMENTS

1. Highway 1 Project Fact Sheets
2. Highway 1 Bus on Shoulder Project Letter of Support from Caltrans



PROJECT FACT SHEET

Updated August 2019

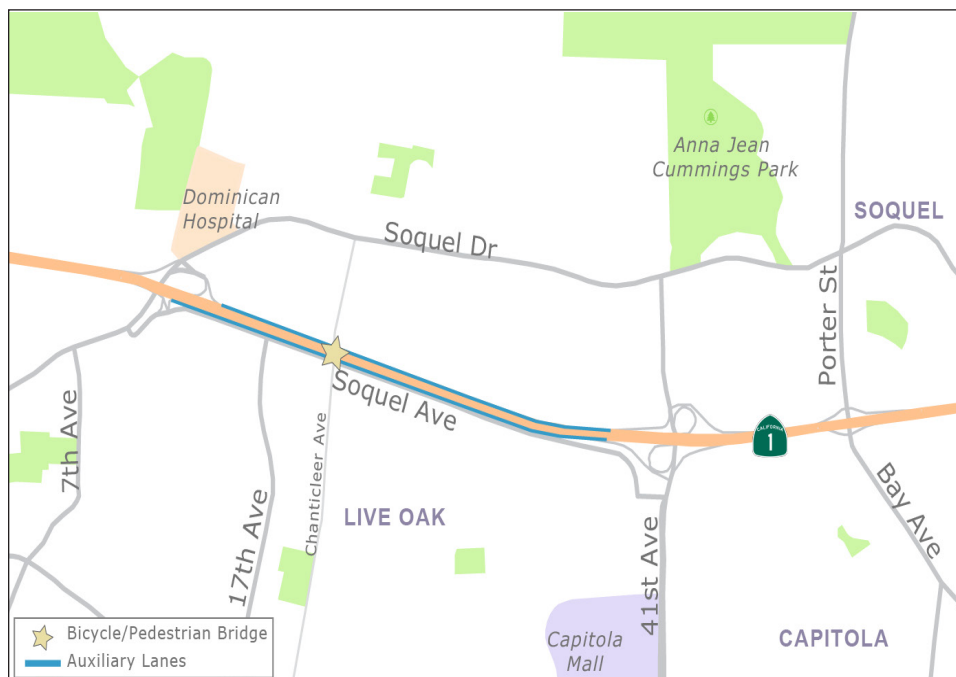
Highway 1 Auxiliary Lanes (41st Avenue to Soquel Drive), and Chanticleer Bike/Ped Overcrossing

Project Description

The project will construct northbound and southbound auxiliary lanes between the 41st Avenue and Soquel Avenue/ Drive interchanges and construct a new bicycle and pedestrian overcrossing at Chanticleer Avenue. Historically, this section of Highway 1 has been the busiest in the county, serving over 100,000 vehicles a day, providing access to the primary regional commercial/ retail activity centers on 41st Avenue and regional medical facilities located on Soquel Drive. The auxiliary lanes will connect the on-ramps with the next off-ramp, thereby extending the weaving and merging distance between the ramps, improving traffic operations, and reducing cut-through traffic diverting to local streets and neighborhoods.

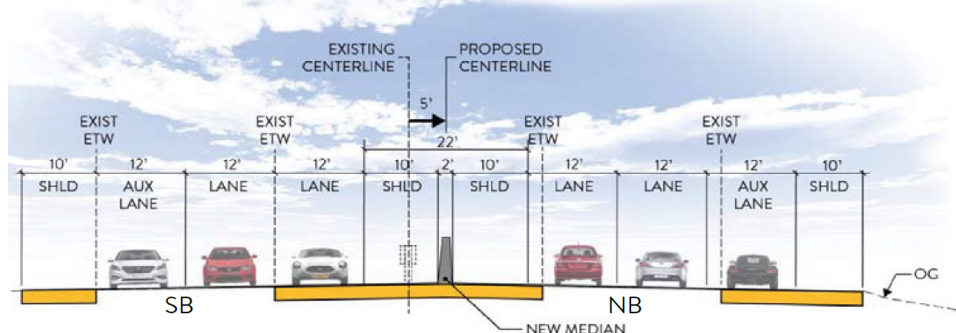
The pedestrian/bicycle overcrossing at Chanticleer Avenue provides an alternative route for bicyclists and pedestrians currently using the Soquel or 41st interchanges to cross over Highway 1. The overcrossing will be lighted, 12 to 14 feet wide, and will incorporate aesthetic treatments consistent with the visual character of the corridor and the adjacent community.

Voter-approved Measure D transportation funds are being used for this project to allow the project development process to be accelerated.



Project Highlights

- ▶ Improves traffic operations on Highway 1
- ▶ Improves bicycle and pedestrian connectivity to regional destinations and transit by providing a dedicated crossing for active transportation users at Chanticleer Avenue
- ▶ Measure D funds are being used to accelerate the project development process
- ▶ Construction ready in 2020, pending availability of funds





PROJECT FACT SHEET

Updated August 2019

Highway 1 Auxiliary Lanes (41st Avenue to Soquel Drive), and Chanticleer Bike/Ped Overcrossing

Project Costs and Funding

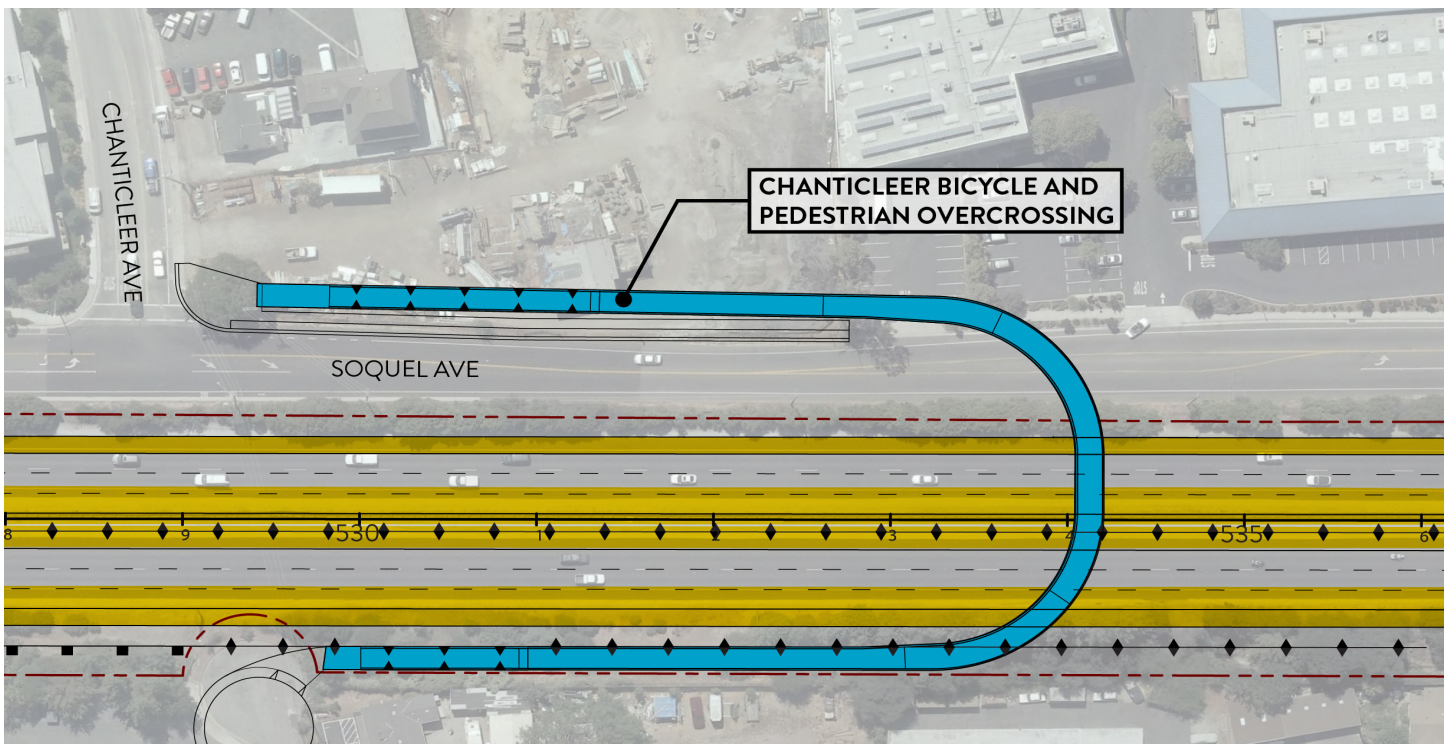
Estimated Project Cost	\$	34,212,000
Funding Sources		
Measure D	\$	1,650,000
Other Secured	\$	6,000,000
Needed	\$	26,562,000



Project Schedule

PHASE	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
PE/Environmental	→									
Final Design (PS&E)						→				
Advertisement/Award*							→			
Construction*								→	→	★

*Pending Availability of Funds





PROJECT FACT SHEET

Updated August 2019

Highway 1 Auxiliary Lanes (Bay Avenue/Porter Street to State Park Drive), and Capitola Avenue Overcrossing

Project Description

The project will construct northbound and southbound auxiliary lanes between the Bay Avenue/Porter Street and State Park Drive interchanges and replace the existing Capitola Avenue local roadway overcrossing. This section of Highway 1 is one of the busiest in the county, providing access to the City of Capitola, Soquel and Aptos villages, and Cabrillo College. The auxiliary lanes will connect the on-ramps with the next off-ramp, thereby extending the weaving and merging distance between the ramps, improving traffic operations, and reducing cut-through traffic diverting to local streets and neighborhoods.

The new Capitola Avenue overcrossing will include enhanced bicycle and pedestrian facilities to improve connectivity for bicyclists and pedestrians between Soquel Drive to the north and the future Coastal Rail Trail to the south. The overcrossing, soundwalls, and retaining walls will incorporate aesthetic treatments consistent with the visual character of the corridor and the adjacent community.

Voter-approved Measure D transportation funds are being used for this project to allow the project development process to be accelerated.



Project Highlights

- Improves traffic operations on Highway 1
- Improves bicycle and pedestrian connectivity to regional destinations and transit by providing enhanced bicycle and pedestrian facilities for active transportation users at Capitola Avenue
- Measure D funds are being used to accelerate the project development process
- Construction ready in 2022, pending availability of funds

Project Schedule

PHASE	2019	2020	2021	2022	2023	2024
PE/Environmental	■	→				
Final Design (PS&E)*		■	→			
Advertisement/ Award*				■	→	
Construction*					■	→ ★

*Pending availability of funds



PROJECT FACT SHEET

Updated August 2019

Highway 1 Auxiliary Lanes (Bay Avenue/Porter Street to State Park Drive), and Capitola Avenue Overcrossing

Project Costs and Funding

Estimated Project Cost	\$ 83,255,000
Funding Sources	
Measure D	\$ 9,113,168
Other Secured	\$ 1,830,000



View of project corridor looking north



Capitola Avenue overcrossing will be replaced and will include bicycle and pedestrian improvements



Highway 1

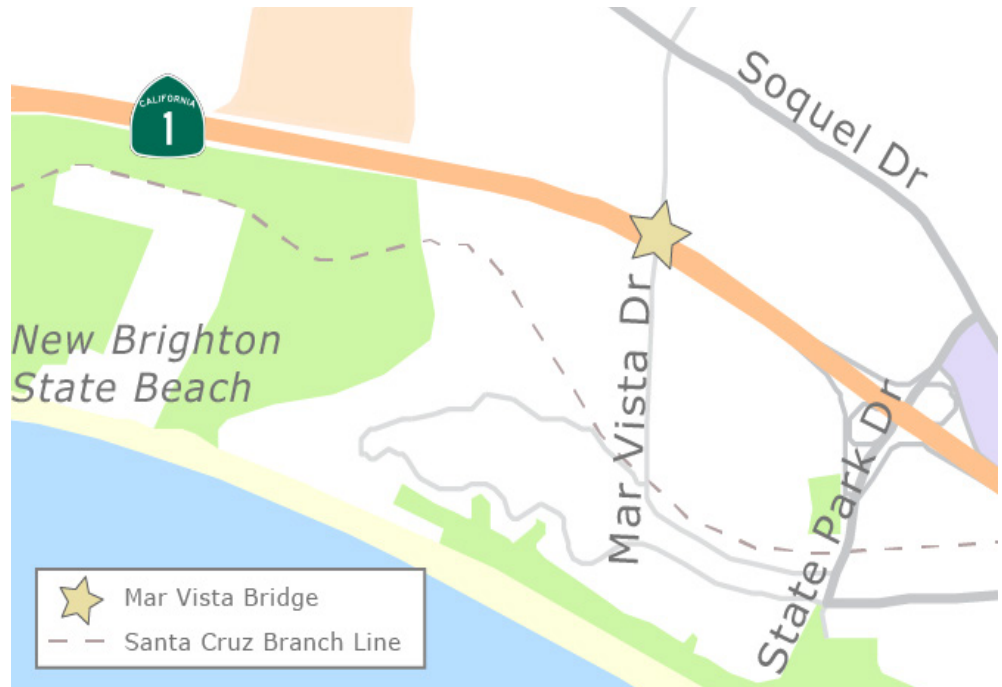
Mar Vista Bicycle and Pedestrian Overcrossing

Project Description

The Highway 1 Mar Vista Bicycle and Pedestrian Overcrossing will provide a safe link between schools, the beach, residential neighborhoods, and retail centers on each side of Highway 1. This bicycle and pedestrian overcrossing was one of three bicycle and pedestrian overcrossings identified in the Highway 1 Corridor Investment Plan. The proposed crossing locations were chosen with public input to provide community cohesion and improved connectivity to schools and other activity centers.

The Mar Vista overcrossing will reduce travel distances for bicyclists and pedestrians traveling between Mar Vista Drive at McGregor Drive in Seacliff to Mar Vista Elementary School by up to 1.6 miles and minimize travel through the busy State Park Drive interchange. The bridge will also improve access to residential, educational, recreational, and commercial destinations, including Seacliff State Beach, Cabrillo College, and Aptos/Seacliff villages.

This project is eligible to receive voter-approved Measure D transportation funds.



Project Highlights

- Provides new opportunities for safe and convenient travel
- Improves bicycle and pedestrian connectivity to regional destinations and transit by providing a dedicated crossing for active transportation users
- Connects neighborhoods, schools, parks/beaches, and commercial centers

Project Schedule

PHASE	2019	2020	2021	2022	2023	2024
PE/Environmental	→					
Final Design (PS&E)		→				
Advertisement/ Award*				→		
Construction*					→	

*Pending availability of funds



Highway 1 Mar Vista Bicycle and Pedestrian Overcrossing

Project Costs and Funding

Estimated Project Cost	\$	13,215,000
Funding Sources		
Measure D	\$	300,000
Other Secured	\$	7,531,000
Need	\$	5,384,000



Project Area with proposed overcrossing shown



Highway 1 Bus-on-Shoulder Project

Project Description

Bus operations along the congested portions of Highway 1 pose a significant challenge for Santa Cruz METRO as the agency works to keep public transit competitive with single-occupant vehicles in the same traffic conditions. To address this problem, several state transit agencies, in collaboration with their Department of Transportation partners, have implemented bus-on-shoulder (BOS) operations during peak congestion periods as an innovative approach to reduce greenhouse gas emissions, improve transit travel time and reliability, and increase transit ridership.

Assembly Bill 946 was passed in 2013 allowing Monterey and Santa Cruz counties to operate buses on the shoulders of Highway 1. A feasibility study for operating buses on the shoulders of Highway 1 in Monterey and Santa Cruz counties was conducted by Monterey-Salinas Transit (MST) in cooperation with Caltrans, California Highway Patrol (CHP), Transportation Agency for Monterey County (TAMC), Santa Cruz County Regional Transportation Commission (RTC), METRO and local jurisdictions. Key findings from the feasibility study were that congestion and unreliability keep METRO from using Highway 1 more extensively for bus services; Highway 1 shoulders lack the width and pavement structural section to support bus-on-shoulder operations without significant construction; and the existing and planned auxiliary lanes provide an opportunity for bus-on-shoulder operations and should be implemented in coordination with each of the auxiliary lane projects.



Project Highlights

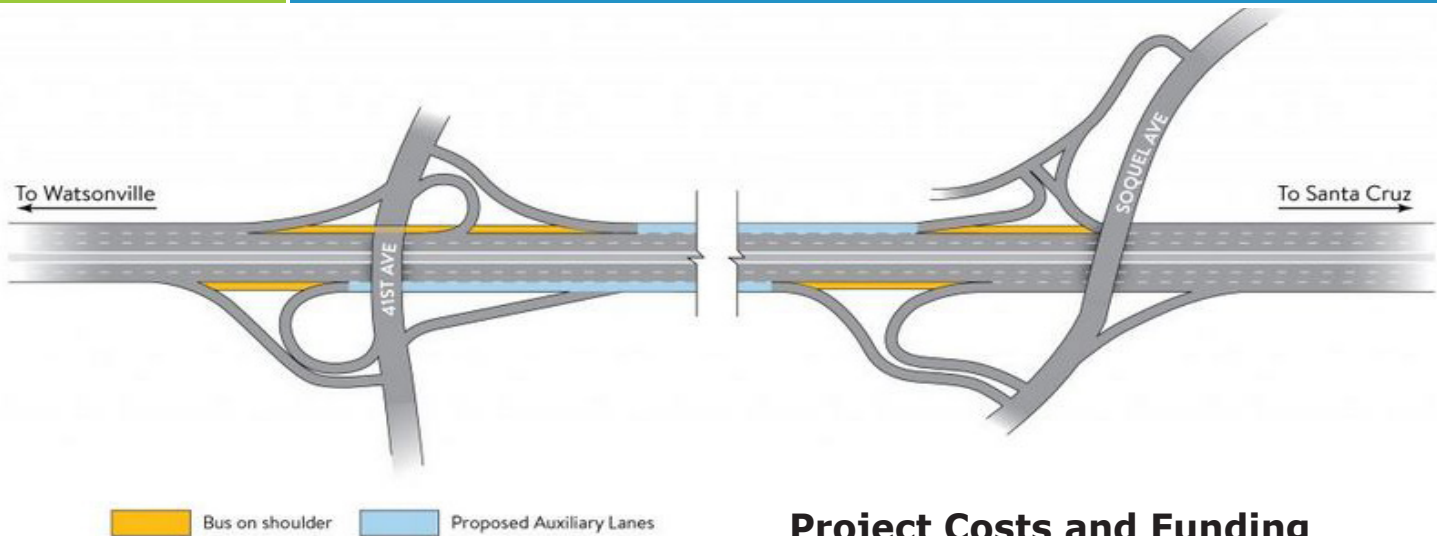
- ▶ Cost-effective solution to achieve transit travel time and reliability improvements in the near-term
- ▶ Buses will travel in the auxiliary lanes between interchanges and on the outside shoulder through interchanges
- ▶ Bus-on-Shoulder elements will be constructed with the future auxiliary lanes projects planned on Highway 1
- ▶ Reduces Greenhouse Gases (GHG)



Source: Chicago Tribune



Highway 1 Bus-on-Shoulder Project



Project Costs and Funding

Estimated Project Cost	\$ 8,777M
Funding Sources	
Measure D	\$ 0
Other Secured	\$ 277M
Need	\$ 8,500M

Project Schedule

PHASE	2018	2019	2020	2021	2022	2023	2024
Feasibility Study	→						
Concept of Operations	→						
Morrissey Boulevard to Bay Street/Porter Street							
PE/Environmental		→					
Final Design (PS&E)*		→					
Advertisement/Award*			→				
Construction*				→	★		
Bay Street/Porter Street to State Park Drive							
PE/Environmental*		→					
Final Design (PS&E)*			→				
Advertisement/Award*				→			
Construction*					→	★	
State Park Drive to Freedom Boulevard - TBD							



FREEWAY SHOULDERS FOR BUSES ONLY

Improving the Quality of Transit



*Pending availability of funds

DEPARTMENT OF TRANSPORTATION

CALTRANS DISTRICT 5
50 HIGUERA STREET
SAN LUIS OBISPO, CA 93401-5415
PHONE (805) 549-3101
FAX (805) 549-3329
TTY 711
www.dot.ca.gov/dist05/

ATTACHMENT 2

*Making Conservation
a California Way of Life.*

June 21, 2019

Mr. Vijay Talada
Executive Secretary
California Traffic Control Devices Committee
1120 N Street, MS 36, Room 4500
Sacramento, CA 95814

Dear Mr. Talada:

The California Department of Transportation (Caltrans) District 5 supports the Santa Cruz County Regional Transportation Commission (SCCRTC) efforts to identify sustainable, cost-effective, and multimodal transportation improvements on State Route 01 (SR 1) in Santa Cruz County. SR 1 is the most heavily traveled and congested corridor in Santa Cruz County.

In 2013, Assembly Bill 946 was passed which authorizes transit buses to utilize highway shoulders in Monterey and Santa Cruz Counties. The District supports the SCCRTC request to utilize non-standard static signing for the legislatively approved Bus on Shoulder (BOS) operations. The SR 1 Bus on Shoulder (BOS) project is a feasible and cost-effective solution to improve transit travel time and reliability on State Route 01 in Santa Cruz County.

A Concept of Operations (ConOps) plan has been prepared for this BOS project with input from the California Highway Patrol and District 5 staff. The ConOps plan will serve as the framework for the design, implementation, and operation of the future SR 1 BOS facility. The plan lays out how the BOS will function and operate on SR 1 in terms of physical design features, signage, pavement markings, hours of operation, transit service operations plan, transit operator training, incident management, marketing, institutional responsibilities, and commitments for each of the partner agencies that would be involved with BOS implementation, operations, and maintenance.

If you have any questions, please contact Roger Barnes, Sr. Transportation Engineer at (805) 549-3473, roger.d.barnes@dot.ca.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Timothy M. Gubbins", with a long horizontal flourish extending to the right.

TIMOTHY M. GUBBINS
District Director

Mr. Vijay Talada
June 21, 2019
Page 2

c: Mr. Guy Preston, Executive Director, SCCRTC
Sarah Christensen, P.E., Senior Transportation Engineer, Project Manager, SCCRTC
Sara von Schwind, P.E., Deputy District Director, Operations & Maintenance, Caltrans
Aileen Loe, Deputy District Director, Planning & Local Assistance, Caltrans
Richard Rosales, Deputy District Director, Program Project Management, Caltrans
Luis Duazo, P.E., Sr. Transportation Engineer, Project Manager, Caltrans
John Olejnik, Sr. Transportation Planner, Planning Management Liaison, Caltrans
Roger Barnes, P.E., Sr Transportation Engineer, Traffic Operations Branch Chief, Caltrans

TO: Interagency Technical Advisory Committee
FROM: Rachel Moriconi, Senior Transportation Planner
RE: Caltrans SHOPP Update

RECOMMENDATION:

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

1. Receive information on State Highway Operation and Protection Program (SHOPP) projects planned for the State highway system;
 2. Inform Caltrans staff of any regionally or locally funded projects that Caltrans should be aware of to discuss proposed scope, funding scenarios, delivery timeframes, potential impacts to the State Highway System, and coordination responsibilities; and
 3. Inform Caltrans staff if there are concerns or questions about specific projects, including opportunities to coordinate local projects such as transit stop, pedestrian, and intersection improvements with these Caltrans SHOPP projects.
-

BACKGROUND

The California Department of Transportation (Caltrans) is responsible for maintaining and operating the State Highway System (SHS). Caltrans identifies major safety and maintenance projects in the State Highway Operation and Protection Program (SHOPP).

In general, the purpose of the SHOPP is to provide funding "to preserve and protect the state highway system." SHOPP programming categories include: traffic safety/collision reduction, roadway rehabilitation, roadside rehabilitation, and mobility/operational improvements. Projects identified by Caltrans district offices compete statewide and are selected for funding based on need, rather than on geographical distribution. Caltrans District 5 regularly consults with local agencies on planned projects. Caltrans periodically shares information on programmed SHOPP projects with the Safe on 17/Traffic Operations System Oversight Committee, Interagency Technical Advisory Committee, and local jurisdictions.

DISCUSSION

Caltrans District 5 planning staff will be at the September ITAC meeting to provide an overview of the SHOPP and provide information on projects planned in Santa Cruz County. Caltrans correspondence including a list of projects currently programmed to receive SHOPP funds and candidates for future SHOPP funds is attached.

Additional information on the SHOPP is available online at:

<https://dot.ca.gov/programs/transportation-programming/state-highway-operation-protection-program-shopp-minor-program-shopp>.

Coordinating with Caltrans Projects

As discussed at prior meetings, it is very important for local entities to inform Caltrans early in the project development process of any potential modifications a local agency may wish to have coordinated with the construction of a state highway project. In some instances, elements beyond the scope of the Caltrans' project or project funding may be incorporated through cooperative agreements with local entities. **Staff recommends that the ITAC consider projects under development by Caltrans and inform Caltrans of any concerns or opportunities for coordination you would like to pursue on any of these projects.**

SUMMARY

Major capital projects aimed at improving safety, operation, and maintenance of the state highway system are included in the State Highway Operation and Protection Program (SHOPP). Caltrans staff will provide an update on the SHOPP at this meeting.

Attachments:

1. District 5 Update of the State Highway Operation And Protection Program (SHOPP)

S:\ITAC\2019\Sept2019\SHOPPUpdateSept19-sr.doc

DEPARTMENT OF TRANSPORTATION

CALTRANS DISTRICT 5
50 HIGUERA STREET
SAN LUIS OBISPO, CA 93401-5415
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www.dot.ca.gov/dist05/



*Making Conservation
a California Way of Life.*

August 26, 2019

Guy Preston
Executive Director
Santa Cruz County Regional Transportation Commission
1523 Pacific Avenue
Santa Cruz, CA 95060

Dear Mr. Preston:

**UPDATE OF THE STATE HIGHWAY OPERATION AND PROTECTION PROGRAM (SHOPP)
FOR DISTRICT 5**

The California Department of Transportation (Caltrans) District 5 has included with this letter the status of SHOPP programming and project initiation documents (PID) under development in Santa Cruz County.

Caltrans is responsible for maintaining and operating approximately 50,000 lane-miles of the state highway system, the backbone of California's transportation infrastructure. This includes monitoring the condition and operational performance of the highways through periodic inspections, traffic studies, and system analysis. The SHOPP is funded through the State Highway Account supporting the State's priority for preserving the existing infrastructure.

For projects in Santa Cruz County that are currently programmed in the SHOPP as of June 2019, please see Attachment 1. For projects currently awaiting programming for the 2020 SHOPP, please see Attachment 2. For Project Initiation Documents (PID) currently under development for the 2022 SHOPP, please see Attachment 3.

We also request that you identify any regionally or locally funded projects that Caltrans should be aware of to discuss proposed scope, funding scenarios, delivery timeframes, potential impacts to the State Highway System, and coordination responsibilities. For Caltrans to add projects into the NON-SHOPP PID workplan it needs to be in your RTP, be in Caltrans's 3-yr workplan, and have an executed cooperative agreement. Please see Attachment 4 for the Caltrans 3-yr workplan.

Guy Preston, Executive Director
August 26, 2019
Page 2

Please share this information with your member agencies, and encourage them to contact the appropriate project manager for individual projects. For more information, please contact Garin Schneider at 805-549-3640 or email Garin.Schneider@dot.ca.gov.

Sincerely,



For
AILEEN K. LOE
Deputy District Director
Planning and Local Assistance

Attachments

1. Programmed SHOPP Projects
2. 2020 SHOPP Candidate Project List
3. 2022 SHOPP Project List
4. 3-yr Workplan

DEPARTMENT OF TRANSPORTATION

CALTRANS DISTRICT 5
50 HIGUERA STREET
SAN LUIS OBISPO, CA 93401-5415
PHONE (805) 549-3101
FAX (805) 549-3329
TTY 711
www.dot.ca.gov



*Making Conservation
a California Way of Life.*

July 31, 2019

Santa Cruz County;

Caltrans District 5 Program/Project Management is pleased to provide you with this list of programmed 2018 SHOPP projects as of June 2019. This list will update you on the status of active, programmed 2018 SHOPP projects in your county and is sent to you semi-annually. We hope it will be helpful to you, your local agencies, and your Board.

The projects on the attached list are part of the 2018 SHOPP, Caltrans Minor A projects, and emergency projects in progress. Completed programmed projects are not included on the list. The 2018 SHOPP became effective March 21-22, 2018. I have included a column titled "Contract Acceptance (Target Date)" which reflects the date we anticipate construction will end, and a column titled "SB-1 Funds" which indicates whether that project is receiving SB1 SHOPP Augmentation funds.

Please contact the Project Managers for further information regarding these projects. We also ask that you direct calls from the public or other agencies to the appropriate Project Manager for the most current and detailed information.

To obtain additional general information as well as project specific Caltrans SHOPP information, please access the following link: <https://dot.ca.gov/programs/transportation-programming/state-highway-operation-protection-program-shopp-minor-program-shopp>

You can also review more detailed project specific information online by viewing the current projects listed on the District 5 webpage: <http://www.dot.ca.gov/d5/>. If you have questions about the information contained in the Current Status of Projects, please contact the appropriate Project Manager.

Please contact me if you have any questions regarding this list. I welcome any suggestions to improve the list for everyone's benefit.

Sincerely,

Sherri Martin, ATP
Programming Unit, Project Management
SHOPP, Minor A & FTIP Coordinator
(805) 549-3788

bcc. Aileen Loe; Garin Schneider; Kelly McClendon; Gus Alfaro; Terri Persons; Richard Rosales, Luis Duazo, Doug Hessing, Mike Lew, Carla Yu, Ken Dostalek, Aaron Henkel, and Berkley Lindt



PROGRAMMED/FUNDED SHOPP PROJECTS
in Santa Cruz County
July 2019 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)	8/3/2020	Mike Lew 805-549-3227 mike.lew@dot.ca.gov	No	\$853 Vote/\$11

NOTE: For general information about the SHOPP program contact Sherri Martin at (805) 549-3788 or sherri.martin@dot.ca.gov
List is provided in January and July of each year.



PROGRAMMED/FUNDED SHOPP PROJECTS
in Santa Cruz County
July 2019 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 18/19 (continued)											
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	Will Award by Oct 03/12/2019 (A)	11/12/2020	Carla Yu 805-549-3794 carla.yu@dot.ca.gov	No	\$4,742 Vote/\$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	Will Award by Oct 03/28/2019 (A)	4/13/2023	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$491 Vote/\$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	PS&E/RW	Will vote in August & Award by Dec 6/14/2019 (A)	10/29/2020	Joe Erwin 805-549-3792 joe.erwin@dot.ca.gov	No	\$1,852/\$48
Programmed in 19/20											
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) 11/21/2019 (T)	04/01/2020 1/26/2022	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$1,337 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. (Project in MON & SCR. Counties)	North District Crosswalk Enhancements	PS&E/RW	08/01/2019 (T)	10/1/2020	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). (Project in MON, SBT, SCR, SLO and SB counties)*SB1.	TMS Detection Repair.	PS&E/RW	6/08/2020 (T)	6/22/2021	Brandy Rider 805-549-3620 brandy.rider@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. (Project in MON; some work in SCR.)	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

NOTE: For general information about the SHOPP program contact Sherri Martin at (805) 549-3788 or sherri.martin@dot.ca.gov
List is provided in January and July of each year.

Attachment 1



PROGRAMMED/FUNDED SHOPP PROJECTS
in Santa Cruz County
July 2019 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 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	\$2,638/\$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 Accesible 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/\$172
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	Brandy Rider 805-549-3620 brandy.rider@dot.ca.gov	No	\$4,271/\$50

NOTE: For general information about the SHOPP program contact Sherri Martin at (805) 549-3788 or sherri.martin@dot.ca.gov
List is provided in January and July of each year.



PROGRAMMED/FUNDED SHOPP PROJECTS
in Santa Cruz County
July 2019 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 21/22 (continued)											
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	1G950 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.

NOTE: For general information about the SHOPP program
contact Sherri Martin at (805) 549-3788 or sherri.martin@dot.ca.gov
List is provided in January and July of each year.



Santa Cruz County

2020 SHOPP Candidates for Project Programming

ID# (EA)	Project Activity	Route	Postmile	Project Location	Project Manager
1K640	Drainage, Transportation Management Systems (TMS) Elements, and Lighting Improvements	1	R0.0/7.70	In Santa Cruz County at various locations	Luis Duazo (805) 542-4678
1J960	Drainage, TMS Elements, Lighting and Worker Safety Locations Improvements	1	8.2/26	In Santa Cruz County at various locations	Luis Duazo (805) 542-4678
1K670	Stormwater Mitigation	17	12.50	In Santa Cruz County at various locations	Doug Hessing (805) 549-3386
1J830	Pavement Preservation, Lighting, Sign Panel Replacement and TMS Element Improvements	129	L0.0/0.56	In Santa Cruz County in and near Watsonville from Route 129/1 Separation to Salsipuedes Creek Bridge	Doug Hessing (805) 549-3386

NOTE: For project-specific questions, contact the corresponding project manager
For general PID program & planning questions contact Garin Schneider (805) 549-3640

ATTACHMENT 2
August 2019



Santa Cruz County

2022 SHOPP Projects

ID# (EA)	Project Activity	Route	Postmile	Project Location	Project Manager
1M110	Pavement Preservation, and ADA Infrastructure Improvements	1	17.5/20.2	In Santa Cruz county, on State Route 1 from 300 feet south of the junction of Route 9 to 450 feet north of the Mission St intersection.	TBD
1M120	Drainage and Transportation Management System (TMS) Improvements	1	26.8/37.45	In Santa Cruz County from 0.8 miles south of Bonny Doon Rd to the San Mateo County line on Highway 1.	TBD
1M530	Drainage Improvements/ Long Toad Salamander Mitigation	1	2.683/7.947	In Santa Cruz County from the junction of 1/152 to the NB onramp from Larkin Valley Rd.	TBD
1K890	Pavement Preservation, Storm Water Mitigation, Sign Replacement, and Drainage, TMS, and ADA Infrastructure Improvements	9	0.046/7.50	In Santa Cruz County, 0.5 miles south of Irwin Way to 150 feet south of El Solyd Heights Dr on State Route 9	TBD
1M400	Safety Improvements	9	6.3/7.2	In Santa Cruz County on State Route 9 between Kirby Street and San Lorenzo Valley High School	Doug Hessing (805) 549-3386
1K900	Pavement Preservation, Sign Replacement, and Drainage Improvements	9	18.897/27.094	In Santa Cruz County on Route 9 from 0.4 miles south of Saratoga Toll Rd to the Santa Cruz/San Mateo County line.	TBD
1M330	Safety Improvements	156	R8.2/R10.0	In Santa Cruz and San Benito Counties at Various Locations	Doug Hessing (805) 549-3386
1M450	Major Damage Restoration	236	5.4	In Santa Cruz County near Boulder Creek at 1.1 miles north of Boulder Creek Bridge	Doug Hessing (805) 549-3386

NOTE: For project-specific questions, contact the corresponding project manager
For general PID program & planning questions contact Garin Schneider (805) 549-3640

ATTACHMENT 3
August 2019

2019/2020
Santa Cruz County 3 Year Non-SHOPP PID Workplan

County	Route	Begin Postmile	End Postmile	Project Type	Location	Agency	2019/2020	2020/2021	2021/2022	CO-OP Executed Yes/NO	Notes
Locally Sponsored											
SCR	17	5.45	12.55	Operational Improvements	SR 17 Access Management Improvements	TBD		X		No	11/7/2018: TBD- New director to decide direction 2/5/19: No Comments 5/8/19: RTC wants CT to be lead
SCR	1	13.19	13.19	Operational Improvements	SR 1 Mission at Bay Street Intersection Improvements	City of Santa Cruz		X		No	2/5/9: No Comments
SCR	9	0.05	27.09	Operational Improvements	SR 9 Corridor Improvements	Santa Cruz County	X			No	11/7/2018: Santa Cruz Public works lead??? Scope not decided yet. Rachel will schedule a meeting. **GKS-Schedule meeting with SCCRTC, SCR Public Works, Luis Duazo, Traffic Opts, Saffey 2/5/19: No Comments 5/8/19: John O to set up Pre-PID mtg May 20th
State Sponsored											
No Projects at this time											



MEMORANDUM

TO: SCCRTC Interagency Technical Advisory Committee

FROM: Heather Adamson, Director of Planning

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

MEETING DATE: September 19, 2019

RECOMMENDATION: INFORMATION

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

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.

Early 2045 MTP/SCS activities underway are highlighted below and the 2045 MTP/SCS timeline is included as Attachment 1.

2022 Regional Growth Forecast

The process to update the Regional Growth Forecast has been initiated. Staff has reached out to a few of the local jurisdictions requesting early consultation to resolve any concerns following the 2018 RGF, as well as, obtain any new data or information related to growth. The first step in updating Regional Growth Forecast is establishing the regional numbers. Staff is working with a demographer to update the tri-county regional employment, population and housing figures. The draft regional numbers will be presented to the Planning Directors Forum in early 2020 for review, input and discussion. AMBAG staff will be scheduling meetings with all of the local jurisdictions in early 2020 to discuss the regional numbers.

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 procuring a consultant to develop a joint environmental impact report (EIR) for the 2045 MTP/SCS and the Regional Transportation Planning Agencies' (RPTAs) Regional Transportation Plans (RTP). A kickoff meeting with the entire EIR team is scheduled to be held in October 2019 and the Notice of Preparation is expected to be released in January 2020.

CARB Target Setting

The California Air Resources Board (CARB) issued new greenhouse gas (GHG) reduction targets for all 18 regions statewide. AMBAG's new GHG reduction targets are a three percent reduction by 2020 and a six percent reduction by 2035.

2045 MTP/SCS Public Involvement Program

The 2045 MTP/SCS Public Involvement Program (PIP) is included as Appendix G of the Draft 2019 Public Participation Plan (PPP). The 2019 PPP is scheduled to be approved by the AMBAG Board of Directors in October 2019. AMBAG staff will continue to implement the outreach strategies included in the PIP as we develop the 2045 MTP/SCS.

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. Staff proposes retaining the same policy goals from the 2040 MTP/SCS and focusing on updating the specific performance measures used to evaluate each of the policy goals. Performance measures allow us to quantify regional goals, estimate the impacts of proposed investments, and evaluate progress over time.

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.

Performance measures that support the above policy goals will be revised to measure how well the MTP/SCS scenarios perform. Proposed changes to the performance measures will be presented at a future Planning Directors Forum meeting.

Transportation Project List

Beginning in 2020, AMBAG will 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. 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.

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/RHNA Timeline





2022 Regional Growth Forecast & 2045 MTP/SCS

September 19, 2019

Paul Hierling
AMBAG

1

Overview

- Background
- Regional Growth Forecast
- Environmental Impact Report
- CARB Target Setting
- 2045 MTP/SCS Public Involvement Program
- 2045 MTP/SCS Goals, Objective & Performance Measures
- Transportation Project List
- Next Steps

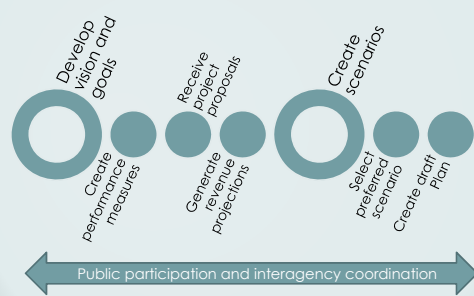
2

Background

- Long range plan for transportation investments
- Federal and state law requires that a MTP/SCS be prepared every four years
- Must provide a 20+ year horizon planning period
- Detailed work program and schedule approved in April 2019
- 2045 MTP/SCS scheduled for adoption in 2022
- Highlight a number of key components under development

3

How is the MTP/SCS Developed?



4

What is the Regional Growth Forecast?

- Forecast for growth of population, housing and employment
- Covers tri-county area
- Base Year 2015; horizon year 2045
- Used as the basis for planning studies, project analysis and economic analysis, etc.
- Used as an input for the Regional Travel Demand Model which forecasts travel patterns

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2022 Regional Growth Forecast

- Work with all local jurisdictions to update the 2018 Regional Growth Forecast
 - One-on-one meetings
 - Planning Directors Forum
- Regionwide Population, Housing and Employment Forecast (early 2020)
- Disaggregated Forecasts – Counties and Cities (late Spring 2020)
- Extend horizon year to 2045
- Draft RGF in fall 2020

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Environmental Impact Report

- A programmatic EIR is required for the MTP/SCS
- Joint EIR with the RTPAs
- New developments from recent CEQA cases may increase the analysis required in the EIR
- Beneficial to secure CEQA legal services to aid in the preparation of the EIR
- Notice of Preparation scheduled to be released in early 2020

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CARB Target Setting

- New GHG reduction targets for the 2045 MTP/SCS
 - -3% reduction by 2020
 - - 6% reduction by 2035
- New SCS evaluation guidelines

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Public Involvement Program

- Develop a public involvement program based on the strategies included in the AMBAG 2019 Public Participation Plan
 - Specific information included in Appendix G
- Engage the public and stakeholders:
 - Public workshops and meetings
 - Visualizations
 - Website
 - Social media
 - Other activities

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2045 MTP/SCS Policy Goals



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Transportation Project List

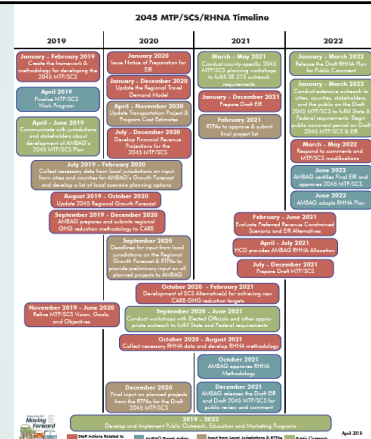
- Begin updating the project list for the 2045 MTP/SCS in 2020 using the Telus database
- Project changes
 - Add new projects
 - Changes to existing project – cost, phasing, etc.
 - Delete projects that have been completed

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Timeline

- 2045 MTP/SCS
- Regional Growth Forecast
- RHNA



Next Steps

- Develop the 2022 Regional Growth Forecast
- Continue to develop the initial components of the 2045 MTP/SCS

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Monterey Bay 2045
Moving Forward



Sustainability
Mobility
Accessibility
Economic
Social Equity

2022 Regional Growth Forecast & 2045 MTP/SCS

September 19, 2019

Paul Hierling
AMBAG

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