



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

AGENDA
Thursday, March 19, 2020
1:30 p.m.

NOTE: Teleconference

Dial-in number (US): (515) 604-9850

Access code: 987817#

Join the online meeting to see presentations: <https://join.freeconferencecall.com/rmoriconi>

Online meeting ID: rmoriconi

ADA Accessible location for the public to provide input:
RTC Conference Room, 1523 Pacific Avenue, Santa Cruz, CA

Due to precautions associated with COVID-19 (coronavirus), we are adapting our meeting format consistent with Governor Newsom's Executive Order which allows local or state legislative bodies to hold Brown Act meetings via teleconference and make meetings accessible electronically. The full executive order can be found [here](#). The RTC is committed to facilitating coordination among agencies and encourages members and interested parties to participate by calling into the number listed above and joining the online meeting. Please do not come to the RTC office if you feel ill.

If the meeting is subsequently canceled,
the cancellation notice will be posted by 10am on 3/19/20 on the ITAC webpage:
<https://sccrtc.org/meetings/inter-agency/agendas/>

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 January 16, 2020 ITAC meeting *(Page 4)*
6. Receive Caltrans Updates:
 - a. 5 Caltrans Priorities *(Page 8)*
 - b. Briefing Announcements *(Page 9)*
 - c. US 101 Business Plan Fact Sheet *(Page 12)*
 - d. Project Updates *(Page 14)*

REGULAR AGENDA

7. Status of ongoing transportation projects, programs, studies and planning documents
 - a. Verbal updates from ITAC members including report on:
 - i. Measure D-funded projects
 - ii. RTC-funded projects (RSTPX, STIP, etc)
 - iii. Other major projects/planning efforts
 - iv. Status of California Local Streets and Roads Needs Assessment Survey – Updates due from public works departments April 17, 2020 (www.Savecaliforniastreet.org) *(Page 19)*
8. State Highway Operation and Protection Program (SHOPP) Update *(Page 25)*
 - a. Presentation from Doug Hessing and Darron Hill, Caltrans District 5
 - b. Staff Report
 - c. Attachments
9. Update on Transportation Impact Analysis (SB 743-Implementation) and Caltrans's Draft Vehicle Miles Traveled (VMT)-Focused Transportation Impact Study Guide (Draft TISG) *(Page 52)*
 - a. Staff Report
 - b. Attachments
10. Transportation Program Updates and Announcements *(Page 56)*
 - a. Updates on state, federal, Measure D, and other programs
11. Santa Cruz Branch Rail Line Railroad Worker Safety Training
 - a. Verbal Update
12. Next Meeting – The next ITAC meeting is scheduled for 1:30pm on April 16, 2020 in the SCCRTC Conference Room, 1523 Pacific Avenue, Santa Cruz, CA. ITAC meetings will be canceled if there are no action items to be brought before the committee.

Adjourn

HOW TO REACH US: Santa Cruz County Regional Transportation Commission
1523 Pacific Avenue, Santa Cruz, CA 95060; phone: (831) 460-3200 / fax (831) 460-3215
email: info@sccrtc.org / website: www.sccrtc.org

AGENDAS ONLINE: To receive email notification when the Committee meeting agenda packets are posted on our website, please call (831) 460-3200 or email rmoriconi@sccrtc.org to subscribe.

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

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

MINUTES

Thursday, January 16, 2020, 1:30 p.m.
SCCRTC Conference Room
1523 Pacific Ave., Santa Cruz, CA

ITAC MEMBERS PRESENT

Heather Adamson, Association of Monterey Bay Area Governments (AMBAG)
Jim Burr, Santa Cruz Public Works and Planning proxy
Piet Canin, Ecology Action
Murray Fontes, Watsonville Public Works and Planning proxy
Daryl Jordan, Scotts Valley Public Works
Anais Schenk, County Planning
Wondimu Mengistu, Santa Cruz METRO and proxy

Excused Absences: Claire Fliesler (Chair), Santa Cruz Planning; Gus Alfaro, Caltrans District 5 Planning; Teresa Buika, UCSC; Kailash Mozumder (Vice Chair), Capitola Public Works; Justin Meek, Watsonville Community Development

RTC Staff Present: Brianna Goodman (*arrived 2:30pm*), Rachel Moriconi, Amy Naranjo, Fernanda Pini, Guy Preston

Others Present: Gina Cole, Bike Santa Cruz County
Rufus Francis, Safety, Security and Risk Management Director, METRO

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1. **Call to Order:** In the absence of the regular Chair and Vice Chair, Murray Fontes was designated as Chair for the meeting and called the meeting to order at 1:35 p.m.
 2. **Introductions:** Self introductions were made
 3. **Oral Communications:** None
 4. **Additions, deletions, or changes to consent and regular agendas:** Item 11 was moved to the end of the agenda.

CONSENT AGENDA

Piet Canin and Gina Cole provided brief summaries of projects recommended for funding under Item 6. *The Committee unanimously approved a motion (Schenk/Adamson) approving the consent agenda, with all members present voting "yes".*

5. **Approved Minutes of the November 21, 2019 ITAC meeting**
6. **Approved recommendations for programming competitive RSTPX grant funds**
7. **Received Caltrans Updates**
 - a. Caltrans Project Updates

- b. Semi-annual SHOPP Project List
- c. Caltrans announcements and website information

REGULAR AGENDA

8. Status of Ongoing Transportation Projects

Santa Cruz – Jim Burr reported that the City of Santa Cruz anticipates breaking ground for the Rail Trail Segment 7, phase 1 this month. Pre-construction work on Phase 2 continues. ATP-funded Safe Routes to Schools crosswalks projects are currently under construction, with another crossing project going out to bid soon. These projects will improve crossing at over 40 locations citywide.

County – Anais Schenk reported that the County kicked off their Caltrans' planning grant-funded Active Transportation Plan, starting with identification of priority projects. The planning department is working on several General Plan updates and amendments to address new state regulations. Public works continues to work on several storm damage projects and is hiring project managers to work on major projects. The County is working with the RTC on grant proposals for SB1 competitive grants. Gina Cole appreciated the county's work on Freedom Boulevard, 17th Avenue and several other locations that has resulted in improved bicycle lanes.

METRO - Rufus Francis reported that METRO is working to prepare the FTA-mandated safety plan by July 2020, which will require Association of Monterey Bay Area Governments (AMBAG) and Caltrans review. The plan includes safety performance metrics. Wondimu Mengistu reported that METRO is submitting grant applications for new zero emission buses to use Highway 1 bus-on-shoulder facilities and EV charging infrastructure, including a fast charger at Watsonville transit center.

Bike Santa Cruz County – Gina Cole reported on Light Up the Night, MBSST Segment 7 Groundbreaking, and Open Streets events, and its earn-a-bike programs at several middle and high schools. She noted that people have especially appreciated METRO's demonstration of how to load bicycles on the front of buses at the Open Streets events.

Ecology Action – Piet Canin reported that Ecology Action is kicking off outreach events and safety trainings at UCSC, which also include e-bike demonstrations and bicycle light distribution. Ecology Action has also been providing information at Go Santa Cruz downtown employee events, and assisting with the County's Active Transportation Plan.

1:50 p.m. Committee Member Jordan arrived.

Watsonville – Murray Fontes reported that the City of Watsonville's green bicycle lane project is almost done. The city will be awarding a contract for the first phase of Segment 18 of the Monterey Bay Sanctuary Scenic Trail Network (MBSST), with construction scheduled to start in March or April. The Green Valley Road reconstruction project between Struve Slough and Freedom Blvd is ramping up. He also announced that the city will be hosting events during Public Works Week, including the famous egg drop.

Scotts Valley - Daryl Jordan reported that the city recently awarded the Glenwood Drive bike paths and rehabilitation project, which also includes new striping and speed feedback signs.

New trails at Glenwood Preserve are also being constructed.

9. Draft Measure D Strategic Implementation Plan (SIP)

Guy Preston provided an overview of the Measure D Strategic Implementation Plan (SIP), which includes scope, cost, and delivery schedule information for regional projects and programs. The plan includes updated revenue forecasts and strategies to use Measure D funds to leverage other grants and expedite delivery of Expenditure Plan projects. The RTC is currently soliciting input on the draft plan, with adoption scheduled for the February 2020 RTC board meeting.

Committee member comments included inquiries about funding opportunities for protected bicycle lanes on the Soquel Corridor; opportunities to leverage grants, use inter-program loans or financing to advance construction of the Rail Trail; and support to expedite highway projects. Some agencies expressed concerns about the level of RTC oversight proposed for regional programs and projects implemented by other agencies (Policy 4.15). Director Preston noted that RTC wants to be of assistance to agencies implementing regional category projects, especially those on the rail line, and to ensure RTC's interests as property owner are also addressed. Several members indicated that their agencies are reviewing the plan and intend to submit additional comments.

10. Draft 2020 State and Federal Legislative Programs

Rachel Moriconi presented the preliminary draft 2020 state and federal legislative programs and requested that Committee members identify issues that the RTC should consider, pursue or monitor in 2020. Committee members discussed concerns about the state imposing new housing rules on local jurisdictions, SB743 thresholds and mitigation banks for vehicle miles traveled, transportation demand management methods to reduce VMT, potential impacts of the federal SAFE vehicle rule on local transportation projects, potential SB375 changes/land use-transportation greenhouse gas targets, High Quality Transit Corridor mandates and restrictions in areas that do not meet the definition, and challenges converting to electric buses.

11. Other Transportation Program Updates – discussed after item 13

Committee members shared information about the California Transportation Commission's (CTC) Active Transportation Program (ATP) cycle 5 workshop and tour of several projects in Santa Cruz County. The Committee also discussed Air Resources Board Sustainable Transportation Equity Project (STEP) grants, which may be an option for areas with a state-defined Disadvantaged Communities (DAC).

12. 2045 Metropolitan Transportation Plan/Sustainable Communities Strategy (MTP/SCS) and 2022 Regional Growth Forecast Update

Heather Adamson provided updates on the MTP/SCS and Regional Growth Forecast. She provided updated timelines, noted there will be a scoping meeting for the Environmental Impact Report (EIR) on January 22, 2020 in Live Oak, and requested input on the draft MTP/SCS goals and performance measure. The committee discussed transit safety measures and defining high quality transit routes, growth opportunity areas and transit priority areas.

13. 2045 Santa Cruz County Regional Transportation Plan (RTP) Updates

Amy Naranjo and Brianna Goodman provided an update on the development of the 2045 Regional Transportation Plan (RTP) and requested that the ITAC provide input on the draft goals, policies and targets for the 2045 RTP. Staff also requested that project sponsors and committee members review the 2040 Regional Transportation Plan (RTP) project list and provide updates, including any new projects for the 2045 Regional Transportation Plan. The Committee discussed including Vision Zero as a 2045 target, as well as the feasibility concerns of meeting such a target.

14. The next meeting is scheduled for 1:30pm on February 20, 2020 in the RTC Conference Room. The meeting will be canceled if there are no action items to be brought before the committee.

Minutes prepared by: Rachel Moriconi, RTC Planner

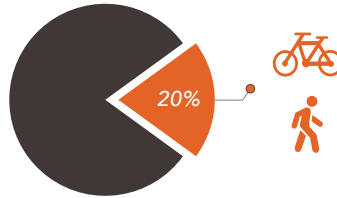
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MOVING FORWARD FOR TRANSPORTATION

5 Caltrans Priorities

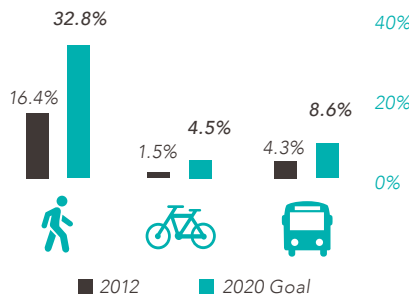


SAFETY



Every day 10 people die on California's transportation system. At least two are pedestrians and bicyclists. We cannot normalize this and must move Toward Zero Deaths.

We must better leverage managed lanes, transit and active transportation, and freight movement must diversify. This is imperative as over the next 30 years our state population will increase by 25% and freight traffic by at least 75%.



MODALITY

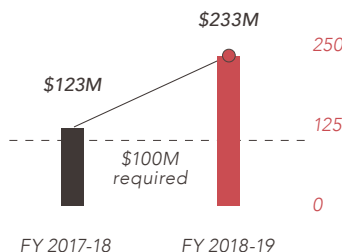


INNOVATION



We must counter a "business as usual" mindset by embracing bold and transformative ideas. This must include new solutions to help solve major state issues like climate change, the affordable-housing shortage and homeless crisis.

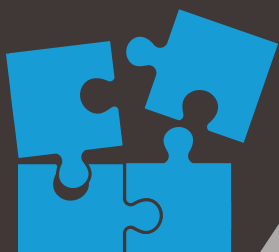
Effective government is efficient government. SB 1 legislation requires Caltrans to generate at least \$100 million in savings annually to reinvest in additional maintenance and rehabilitation projects. We should match those results in all budget areas.



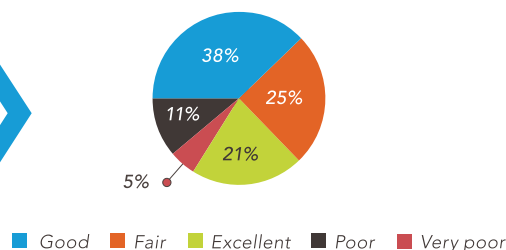
EFFICIENCY



PARTNERSHIPS



2019 Caltrans External Partner Survey



Caltrans projects are for all Californians. To improve our transportation system, we must build great relationships by initiating broad, inclusive conversations with all stakeholders and leveraging the expertise of our business partners.

Caltrans Announcements for District Director's Report - Week of March 9, 2020

Caltrans Director to visit District 5 (released March 6, 2020)

- Caltrans Director Toks Omishakin is scheduled to visit District 5 on **Tuesday, March 24, 2020.**
- The Director will discuss the vision for Caltrans' future and provide a question/answer time for employees.

New Corridor Planning Guide now online (released Feb. 26, 2020)

- Caltrans recently released the 2020 *Corridor Planning Process Guide* online.
- This Guidebook **provides direction to Caltrans staff** regarding the process to use when preparing planning documents, irrespective of fund source. Although not mandatory, local agencies are encouraged to also utilize this resource when preparing their own transportation plans.
- The document replaces the *Transportation Concept Report Guidelines*, and clearly articulates expectations and steps for corridor planning.
- The guide features a multimodal transportation planning approach analyzing transportation needs based on the complex geographic, demographic, economic, and social characteristics of communities.
- It considers a network system of streets, roads, highways, trails, paths, rail lines, bus corridors, and other elements affecting the convenience, safety, and accessibility of transportation choices.
- It incorporates technologies such as real-time, web- and mobile-enabled trip planning and ride-sourcing services, which are changing how people travel.
- Soon, automated and connected vehicles, and unmanned aerial systems (such as drones) are expected to be part of our transportation landscape and will transform the way people and freight are transported.
- The Guidebook, which considers all available funding, corresponds with the California Transportation Commission's 2018 *Comprehensive Multimodal Corridor Plan Guidelines*, which are required for SCCP grants.
- Outcomes for the guidebook include recommended multimodal projects and strategies statewide agreed in partnership with local and regional partners for future funding and programming opportunities.
- The Caltrans Office of Multimodal System Planning plans to roll out a robust corridor planning process over the next few months, including the annual System Planning Workshop in **April 2020**. More information: <https://dot.ca.gov/programs/transportation-planning/multi-modal-system-planning/guidelines-procedures/corridor-planning-process-guide>
- The "Eight -Step Corridor Planning Process" is attached to these briefing announcements.

SGC News – Call for Projects: Wildfire Resiliency and Recovery Planning (released Feb. 19, 2020)

- The California Strategic Growth Council is offering about \$720,000 statewide for projects addressing wildfire resiliency and recovery/adaptation planning.
- Funding is provided through unused Proposition 84 (passed in 2006) funds.
- Partners in this grant opportunity include the Governor's Office of Planning and Research and the California Department of Conservation.
- Three to five grant projects, totaling between \$150k and \$250k, are expected to be awarded in this grant cycle.
- Applications are due to SCG on **Wednesday, March 18, 2020**. More information: <http://sgc.ca.gov/news/2020/02-19.html>

FTA News – Funding to help communities prosper through transit (released March 3, 2020)

- The Federal Transit Administration is offering \$8.5 million nationwide for projects helping to lift communities out of poverty and support recovery from substance abuse.
- The new Helping Obtain Prosperity for Everyone (HOPE) program supports planning, engineering and technical studies, or financial planning, to improve transit services in areas experiencing long-term economic distress.

- The program aims to improve public transportation, new transit routes and facilities, and innovative technologies in communities experiencing persistent poverty.
- The program—available in rural areas, too—supports coordinated human service transportation planning to improve transit services or provide new services such as rides to opioid abuse recovery and treatment.
- Eligible applicants must come from counties with more than 20 percent of the population living in poverty for 30 years or more, as measured by the U.S. Census, or the 2013-2017 American Community Survey.
- Applications are due to FTA by **Wednesday, May 20, 2020**. For the Notice of Funding Opportunity and more information: <https://www.transit.dot.gov/about/news/us-department-transportation-announces-85-million-funding-opportunity-help-communities>

FTA News – Funding for Rail Transit and Bus Operator Safety (released Feb. 13, 2020)

- The Federal Transit Administration is offering \$9.3 million nationwide in research funding for innovative projects improving rail transit and bus operator safety.
- Funding includes \$7.3 million for projects demonstrating and evaluating new technologies, safer designs and practices to improve rail transit safety, and \$2 million for projects redesigning transit bus operator compartments for safety.
- Funding is provided through the Safety Research and Demonstration Program (\$7.3 million) and the Redesign of Transit Bus Operator Compartment to Improve Safety, Operational Efficiency and Passenger Accessibility Program (\$2 million).
- Eligible applicants include public transportation providers, state and local government entities, nonprofit organizations and colleges.
- Applications for both programs are due to FTA by **Monday, March 24, 2020**. For the Notices of Funding Opportunity and more information: <https://www.transit.dot.gov/about/news/us-department-transportation-announces-93-million-innovative-projects-improve-rail>

FTA News – Major funding for buses nationwide (released Feb. 7, 2020)

- The Federal Transit Administration is offering about \$455 million for projects nationwide replacing and rehabilitating buses and related facilities.
- Applicants are encouraged to demonstrate project consistency with the Rural Opportunities to Use Transportation for Economic Success (R.O.U.T.E.S.) and the Accelerating Innovative Mobility (AIM) initiatives.
- Eligible recipients include fixed route bus operators, states and local governmental entities operating fixed route bus services and Indian tribes.
- The program allocates a minimum of 10 percent of its funding to rural bus needs.
- Applications are due to FTA **Monday, March 30, 2020**. For the Notice of Funding Opportunity and more information: <https://www.transit.dot.gov/about/news/us-department-transportation-announces-more-454-million-funding-availability-buses> & <https://www.federalregister.gov/documents/2020/01/30/2020-01614/fiscal-year-2020-competitive-funding-opportunity-grants-for-buses-and-bus-facilities-program>

FTA News – Funding for passenger ferry service (released Feb. 7, 2020)

- The Federal Transit Administration is offering about \$30 million nationwide for projects to purchase, repair and modernize ferry boats, terminals and related facilities, and establish new passenger ferry services.
- Applicants are encouraged to show how proposed projects maintain consistency with the Rural Opportunities to Use Transportation for Economic Success (R.O.U.T.E.S.) and Accelerating Innovative Mobility (AIM) initiatives.

- Applications are due to FTA **Monday, March 30, 2020**. For the Notice of Funding Opportunity and more information:
<https://www.transit.dot.gov/about/news/us-department-transportation-announces-30-million-funding-opportunity-passenger-ferry-1> and
<https://www.transit.dot.gov/funding/applying/notices-funding/passenger-ferry-grant-program-fy-2020-notice-funding-opportunity>

US 101 BUSINESS PLAN

LOCATION

US 101 in Caltrans District 5

STUDY PURPOSE

The US 101 Business Plan will provide the data, strategy, and community support needed to match corridor priorities with potential funding mechanisms for implementing improvements in the US 101 corridor.

RESPONSIBLE PARTIES

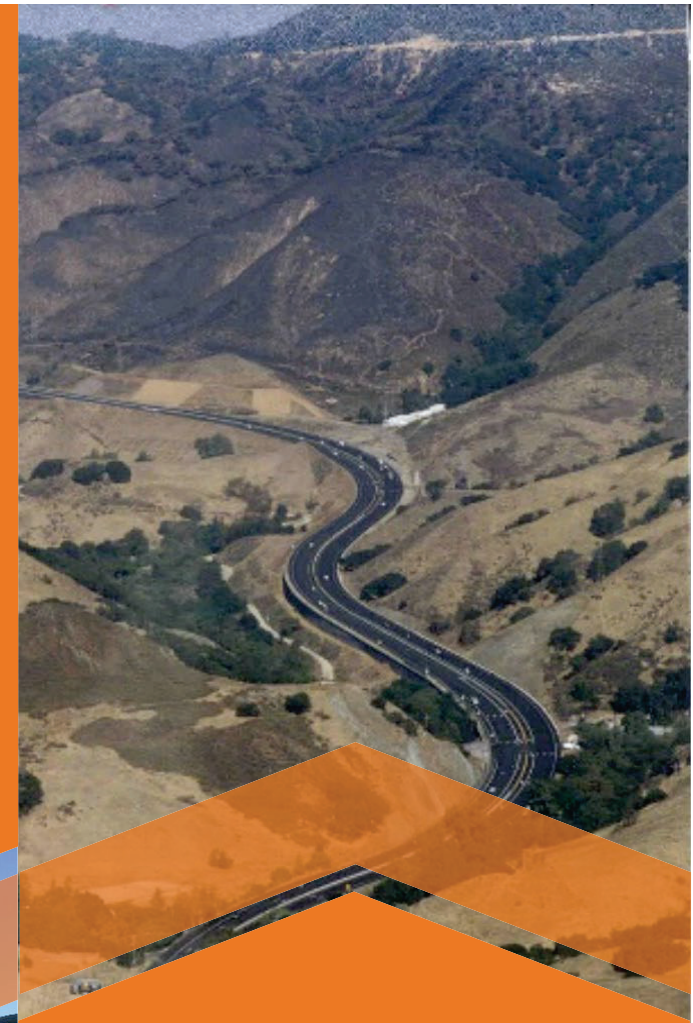
Caltrans will be the lead agency on this plan with support from Central Coast Coalition members (SBCAG, SLOGOG, TAMC, SBCOG, SCCRTC, AMBAG, and Caltrans District 5).

TIMEFRAME

Completion December 31, 2020

STUDY OUTCOMES

- Inform statewide priorities for investment
- State business case for making investments in US 101 corridor
- Identify needs, performance criteria, and priority improvements
- Explore trends (e.g. housing growth and jobs-housing balance issues)
- Develop a financial plan that identifies total funding needs, funding gaps, and potential funding sources



STAFF CONTACTS

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Vanessa Faul, Transportation Planner:
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Central Coast Coalition
Driving California's Economy

US 101 Business Plan Goals and Objectives

Goal: Safety & Health

Provide safety for all users of the transportation system and promote public health.

- Objectives:
- Toward Zero Deaths – Reduce fatalities.
 - Health Index – Increase Healthy Places Index score by 2025.
 - Clean Air – Reduce fine particulate matter concentration by 2025.



Goal: Sustainability & Climate Change

Practice environmental stewardship, preserve the transportation system, reduce pollution, and mitigate impacts of climate change.

- Objectives:
- Vehicle Miles Traveled – Reduce per capita VMT by 2025.
 - Mode Share & Active Commuting – Increase active commuting (transit, walking, or cycling) by 2025.
 - Alternative Fuel Stations – Increase alternative fuel stations by 2025.



Goal: Economy

Manage the corridor's assets, support the economy, and enhance the region's livability.

- Objectives:
- Lost Productivity – Decrease lost productivity by 2025.
 - Truck Travel Time Reliability – Improve truck travel time reliability.
 - Jobs – Increase job growth.



Goal: Mobility

Provide a reliable and efficient transportation system for all people and goods.

- Objectives:
- Vehicle Hours of Delay – Reduce vehicle hours of delay
 - Volume to Capacity Ratio – Maintain a v/c ratio.
 - Travel Time Reliability – Improve travel time reliability.



Goal: Equity

Promote social equity and ensure all socio-economic groups have accessible and equitable level of transportation services.

- Objectives:
- CalEnviroScreen – Increase CalEnviroScreen 3.0 score by 2025.
 - Hardship Index – Increase Hardship Index by 2025.
 - Bike/Ped Access in Disadvantaged Communities – Increase over/undercrossing numbers in DAC by 2025.





PROJECT UPDATE – SANTA CRUZ COUNTY

PREPARED FOR THE MARCH 5, 2020 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 – Fall 2020	\$22 million	SHOPP	Luis Duazo (GG)	Granite Construction Company Watsonville, CA	Construction is underway and scheduled for completion in Fall 2020.
2.	Highway 9 Spring Creek Road Soldier Pile Wall (1K140)	Near Boulder Creek at Spring Creek Road (PM 15)	Construct Soldier pile wall restore roadway and facilities, place water pollution control BMPs, erosion control	Summer 2019—Spring 2020	\$2.8 million	SHOPP	Doug Hessing (BR)	Gordon N. Ball, Inc. Alamo, CA	Construction is scheduled to be completed by Spring 2020.
3.	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 (BR)	Graniterock Company Watsonville, CA	Retaining wall construction has begun and project is scheduled to be substantially complete by Summer 2020; Project is currently in winter suspension.
4.	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— Spring 2020	\$19 million	SHOPP SB-1	Doug Hessing (JW)	Granite Construction Company, Watsonville, CA	Construction is underway and is scheduled to be completed in Spring of 2020.
5.	Pedestrian Signal Upgrades (1G160)	Various Locations: Highways 1, 9, 17, 129, and 152	Install Accessible Pedestrian Signal (APS)	January 2020 – Summer 2020	\$ 1.8 million	SHOPP	Mike Lew (FA)	Crosstown Electrical & Data, Inc	The project was awarded to Crosstown Electrical & Data, Inc and is scheduled to begin early in 2020.



PROJECT UPDATE – SANTA CRUZ COUNTY

PREPARED FOR THE MARCH 5, 2020 SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION MEETING

PROJECTS IN DEVELOPMENT									
	Project	Location Post Mile (PM)	Description	Construction Timeline	Estimated Construction Cost	Funding Source	Project Manager	Phase	Comments
6.	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	
7.	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/Amy Donatello	PS&E/RW	Project is in Design.
8.	Highway 1/ Highway 17 Ramp Safety Improvements (1H060)	From the fishhook to Pasatiempo overcrossing (PM 16.7)	Construct ramp safety improvements	May 2020	\$5.8 million	SHOPP	Luis Duazo	PS&E/RW	
9.	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	The project is in the design, right of way, and permitting phase.
10.	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.



PROJECT UPDATE – SANTA CRUZ COUNTY

PREPARED FOR THE MARCH 5, 2020 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
11.	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.
12.	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	
13.	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.
14.	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
15.	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.



PROJECT UPDATE – SANTA CRUZ COUNTY

PREPARED FOR THE MARCH 5, 2020 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
16.	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	
17.	Highway 152 Corralitos Creek ADA (05- 1F620)	Near Watsonville, East of Beverly Drive to Holohan / College Road (PM1.9 to R2.0)	Construct Accessible Pathway	Spring 2022	\$3.4 million	SHOPP	Mike Lew	PA&ED	Project is currently at 50% complete for the PA&ED stage.
18.	Crosswalks and Pedestrian Safety Enhancements (1G760)	Various Locations: Highways 1, 9, 129, and 152 (Note: Project also includes six locations in Monterey County, on Routes 68 and 183)	Electrical/Signs/ Flashing Beacons/ Markings/ Pavements	Spring/ Summer 2020	\$1,000,000	Minor	Ken Dostalek	PS&E	Bid opening on 3/19/2020. 150-day lead time for ordering "Modified Type 15 FBS" poles (for flashing beacons) after award of contract.
19.	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
20.	Highway 236 Heart Hill Wall (1M450)	Near Boulder Creek (PM 5.4)	Install engineered fill and restore roadway	2022/2023	\$1.8 million	SHOPP	Doug Hessing	PID	Project is in the initiation phase.



PROJECT UPDATE – SANTA CRUZ COUNTY

PREPARED FOR THE MARCH 5, 2020 SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION MEETING

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



February 17, 2020

Oversight Committee

David Leamon

Stanislaus County
Project Manager

Keith Cooke
City of San Leandro

Brad Eggleston
City of Palo Alto

Charles Herbertson
City of Culver City

Greg Kelley
Los Angeles County

Panos Kokkas
Yolo County

Damon Letz
City of Santa Clarita

David MacGregor
Los Angeles County

Matt Randall
Placer County

William Ridder
LA Metro

Theresa Romell
Metropolitan Transportation
Commission

Jennifer Soliz
Fresno Council of
Governments

Dawn Vettese
San Diego Association of
Governments

Ron Vicari
Sacramento County

Mike Woodman
Nevada County Trans. Comm.

Staff

Brandon Black
Caroline Cirrincione
Rony Berdugo
League of California Cities

Merrin Gerety
CEAC

Marina Espinoza
Chris Lee
CSAC

TO CALIFORNIA CITIES & COUNTIES

SUBJECT: 2020 CALIFORNIA STATEWIDE LOCAL STREETS AND ROADS NEEDS ASSESSMENT

Dear Madam/Sir:

Your help in responding to our survey in 2018 made a difference! In large part due to your efforts to provide timely and accurate data on the condition of California Local Streets and Roads, we were able to better educate the public about the impacts of eliminating much needed local transportation funding.

Since 2008, the California Statewide Local Streets and Roads Needs Assessment Report has been invaluable to the California State Association of Counties (CSAC) and the League of California Cities (League) on numerous transportation efforts at both the state and federal level. We have used the findings to educate elected officials, policy- and decision-makers, and the public about the condition of the local transportation network and the funding needed to bring the system into a state of good repair. The findings have helped prevent transportation funding cuts while also helping advance new funding for local streets and roads. The 2018 report is available at www.SaveCaliforniaStreets.org.

In 2020, there are two main objectives; the first is to educate the public about the short and long-term impacts of SB1 and how cities and counties are using that the money cost-effectively for maintenance of our local streets and roads. The second is to begin to focus attention on local bridges, a critical component of the transportation system. This update will look more closely at the bridge needs and identify reasons for the shortfall indicated in previous reports. This analysis will be helpful in educating policymakers on the need for additional dedicated local bridge funding.

As in the past, this project is being funded through contributions from stakeholders. Cities and counties will share equally in funding two-thirds of the cost for the streets and roads analysis, with the remaining one-third provided by Regional Transportation Planning Agencies. Additional funding for an enhanced bridge analysis will be provided via the Highway Bridge Program. It is essential that each agency contribute toward this study in order to demonstrate how critical this issue is to sustaining our state's transportation infrastructure.

An ongoing effort is needed to update the local streets and roads needs on a regular, consistent basis, much like the State does in preparing the State Highway Operation and Protection Program (SHOPP). NCE will assist us in performing the 2020 update of the Statewide Needs Assessment.

YOU CAN CONTINUE TO MAKE A DIFFERENCE!

We need your immediate assistance on the following items:

1. To ensure a widespread dissemination of this request, this letter has been sent to the City Manager/County Administrative Officer, Public Works Director, City/County Engineer, and Finance Director. We recognize that the data may come from multiple sources, so we ask your agency to coordinate among yourselves to ensure that the most recent and accurate information is entered. Please provide NCE with your agency's contact information if you are

not the appropriate contact. This person(s) should be able to provide all the information requested in the survey. We need information on two main areas:

- a. Technical – pavement, bridge, safety, regulatory and traffic needs.
 - b. Financial – projected funding revenues/expenditures.
2. Fill out the online survey at www.SaveCaliforniaStreets.org. Instructions for filling out the survey are enclosed. Your agency's login and password are on the label below.

It is essential that we have this data no later than **April 17th, 2020 in order to complete the 2020 Local Streets and Roads Needs Assessment on time**. Should you have any questions, please do not hesitate to contact:


Ms. Margot Yapp, P.E.
President/Project Manager
NCE
501 Canal Blvd, Suite I
Pt. Richmond, CA 94804
(510) 215-3620
myapp@ncenet.com

Your agency's login and password is shown below:

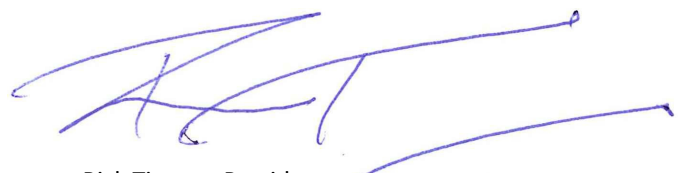
(NCE will insert unique login & password for each
agency)

We appreciate your help in providing this information.

Sincerely,



Gordon MacKay
President, Public Works Officers Department
League of California Cities
Director of Public Works
City of Stockton



Rick Tippet, President
County Engineers Association of California
Department of Transportation, Director
County of Trinity

Enclosures: Fact Sheet
Instructions for Online Survey



California Statewide Local Streets & Roads Needs Assessment 2020

www.SaveCaliforniaStreets.org

Why are we updating the 2018 study?

We need to demonstrate the immediate and long-term impacts of SB1 (Beall, Chapter 5, Statutes of 2017) on local streets, roads, and bridges in California. The 2018 statewide needs study indicated that SB1 would have a positive impact and stabilize the conditions of local streets and roads (the final report is available at www.SaveCaliforniaStreets.org). This report helped provide the qualitative and quantitative data to analyze various funding scenarios over a 10-year forecast, including the potential impact the repeal of SB1 would have had on the local transportation network.

For 2020, this study will revise the 10-year funding forecast from the 2018 study, look at the early impacts of SB1 on the local transportation network, and help inform the public and decision makers. In addition, the update will be taking a closer look at the funding shortfall for local bridges.



Why is this update important?

This update highlights the importance of maintaining sufficient transportation funding for local bridges, streets, and roads. Additionally, it documents the detrimental consequences for deferring or reducing local street and road funds. This is the only comprehensive and systematic statewide report that quantifies the funding needs for California's local bridges, streets, and roads.

What has this study achieved?

Since 2008, the findings from these assessments have been used to:

- Educate decision makers on the condition of the local streets and roads system and the need for additional investment, culminating in \$1.5 billion of new funding for local streets and roads via SB1.
- Provide reliable and credible local road-condition analysis for the media and other reports.
- Inform the public about the impacts of potential funding cuts.
- Identify funding needs to enhance active transportation opportunities, promote sustainable pavement practices, and comply with new regulatory mandates on the local street and road system.

How can Cities and Counties help?

Your help in 2018 made a difference and we need your input again!

Please go to www.SaveCaliforniaStreets.org and login to our online survey to provide updates in the following categories:

- Contact person from your Agency
- Pavement condition data
- Bridge data
- Safety, traffic, and regulatory data
- Funding/expenditure projections



California Statewide Local Streets & Roads Needs Assessment 2020

www.SaveCaliforniaStreets.org

We are anxious to begin the study, so please provide us with the contact person who is responsible for both the technical and funding information in your agency (see our contact information below). The deadline for responding to this survey is **April 17, 2020**.

Who is sponsoring this project?

Many cities and counties contributed funding to this study. The agencies listed below have accepted the leadership responsibility for completing this study on behalf of the cities and counties in California.

- California State Association of Counties (CSAC)
- League of California Cities
- County Engineers Association of California
- County of Stanislaus
- California Regional Transportation Planning Agencies
- California Rural Counties Task Force

The Oversight Committee is comprised of representatives from each organization, with the County of Stanislaus (representing CSAC) acting as the Project Manager. NCE is the consulting firm who will perform the update. Oversight Committee members include:

David Leamon, Stanislaus County (Project Manager)
Keith Cooke, City of San Leandro
Brad Eggleston, City of Palo Alto
Charles Herbertson, City of Culver City
Greg Kelley, Los Angeles County
Panos Kokkas, Yolo County
Damon Letz, City of Santa Clarita
David MacGregor, Los Angeles County
Matt Randall, Placer County
William Ridder, LA Metro
Theresa Romell, Metropolitan Trans. Commission
Jennifer Soliz, Fresno Council of Governments
Dawn Vettese, San Diego Association of Governments
Ron Vicari, Sacramento County
Mike Woodman, Nevada County Trans. Commission

Staff

Rony Berdugo, League of California Cities
Brandon Black, League of California Cities
Caroline Cirrincione, League of California Cities
Merrin Gerety, County Engineers Association of California
Chris Lee, California State Association of Counties
Marina Espinoza, California State Association of Counties

Who should I contact for more information?

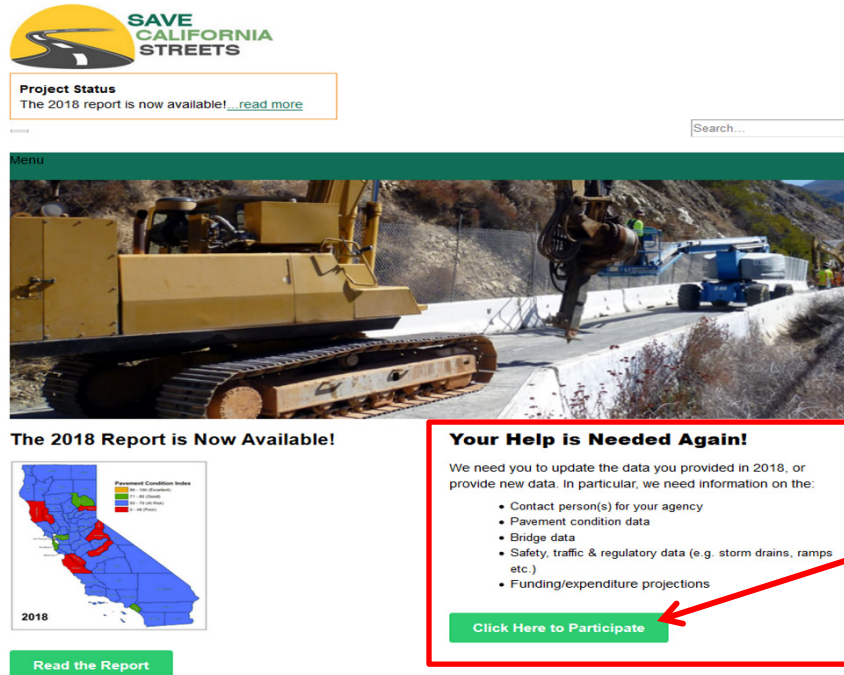
Margot Yapp, President
NCE
501 Canal Blvd., Suite I
Pt. Richmond, CA 94804
Tel: (510) 215-3620

David Leamon, Project Manager
Director of Public Works
County of Stanislaus
1716 Morgan Rd.
Modesto, CA 95358-5805
Tel: (209) 525-4151

FACT SHEET

Instructions for Online Survey

Step 1. Go to <http://www.savecaliforniastreet.org>. Click on the button that says “Click here to participate”.



Step 2. On the login page, select the name of your agency from the dropdown list. If you responded to the 2018 or earlier surveys, the information you previously entered will be shown so that you can update it. You will need your agency’s login and password, which was mailed to you. If you do not have this information, please contact Lydia Alderete at (510) 215-3620 or at ldalderete@ncenet.com.

Welcome to the **Save California Streets Website!**

Welcome to the **Statewide Needs Assessment Survey**

Thank you for participating in this study! Your responses are very much appreciated.

Confidentiality
For the purpose of regional planning and analyses, the information you are submitting will be made available to your Regional Transportation Planning Agency (RTPA) upon their request. Otherwise, all responses to this survey will be considered confidential and we will not release the information to any third party without your written consent.

To log in, please select your agency from the list and enter the password provided in your contact letter.

Your Agency

Your Agency:

Password:

If your agency is not on this list or if you need a password, please contact Lydia Alderete at ldalderete@ncenet.com.

[Contact Us](#) | © 2020 California Statewide Needs Assessment Project

Step 3. Enter your name, then click “Next” to the main survey page.



Welcome to the Statewide Needs Assessment Survey

Enter Your Name

You have logged in as **Test**.

If this is not the agency you will enter data for, please [Logout](#) and start over.

Please enter your name:

[Next](#)

Step 4. There are seven (7) parts in this survey (see image below). Click on each button to enter the relevant information. If you do not have all the information requested, skip to the next section.



Welcome to the **Save California Streets Website!**

Welcome to the Statewide Needs Assessment Survey

Welcome! **Test**.

NOTE: Data from previous surveys (2008-2018) have been retained for your convenience. Please update or change as appropriate.

You may log in and enter data multiple times. Once you complete the survey, you can generate a report for your records.

This survey is composed of 7 parts. If you do not have all the information requested, skip to the next section. For purposes of our analysis, partial data is better than no data!

[Survey Flow](#)

1. Contact Information
2. Streets and Pavements
3. Safety, Traffic & Regulatory Components
4. Bridge Data
5. Regulatory Requirements
6. Funding and Expenditure Data
7. Non-Highway NHS Roads

Are you ready to submit the survey as final? [Yes](#)

[Print a copy for your records](#)

[Logout](#)

Contact Us | © 2020 California Statewide Needs Assessment Project

Step 5. Once data entry is complete, you can view and print your entry by clicking on the “Print a copy for your records” button. If there are no more changes, select “Yes” on the “Are you ready to submit the survey as final?” question.

Step 6. Click “Logout” button when done.

**THANK YOU FOR YOUR
PARTICIPATION!**

AGENDA: March 19, 2020

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 updates 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 the draft 2020 SHOPP, 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 March 19, 2020 ITAC meeting to provide an overview of the draft 2020 SHOPP, 2022 SHOPP Candidate projects (currently in the project initiation document stage), and current SHOPP projects in Santa Cruz County. The draft 2020 SHOPP Executive Summary, Caltrans correspondence including a list of projects currently programmed to receive SHOPP funds and candidates for future SHOPP funds, and SHOPP Project

Map and Lists are attached. The California Transportation Commission (CTC) is scheduled to consider the 2020 SHOPP at its March 24 meeting.

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.**

SHOPP Project Webview

As presented at the November 2019 ITAC meeting, Caltrans District 5 has also prepared a SHOPP webviewer (<https://tinyurl.com/reqf34t>). This tool is being used by District 5 to share information about SHOPP projects in their various stages of development, including currently programmed projects, projects in development for the 2020 and 2022 SHOPP, as well as projects in the approved 10-Year Book. It includes broad categories, project costs, and notes on if a project is already programmed to receive funds or planned/a candidate for future funds. District 5 plans to update information on a quarterly basis. Caltrans invites feedback on the tool.

Other tools which agencies may find useful include:

Caltrans GIS Data: <https://gisdata-caltrans.opendata.arcgis.com/>

Poste mile lookup: <https://postmile.dot.ca.gov/PMQT/PostmileQueryTool.html>

SUMMARY

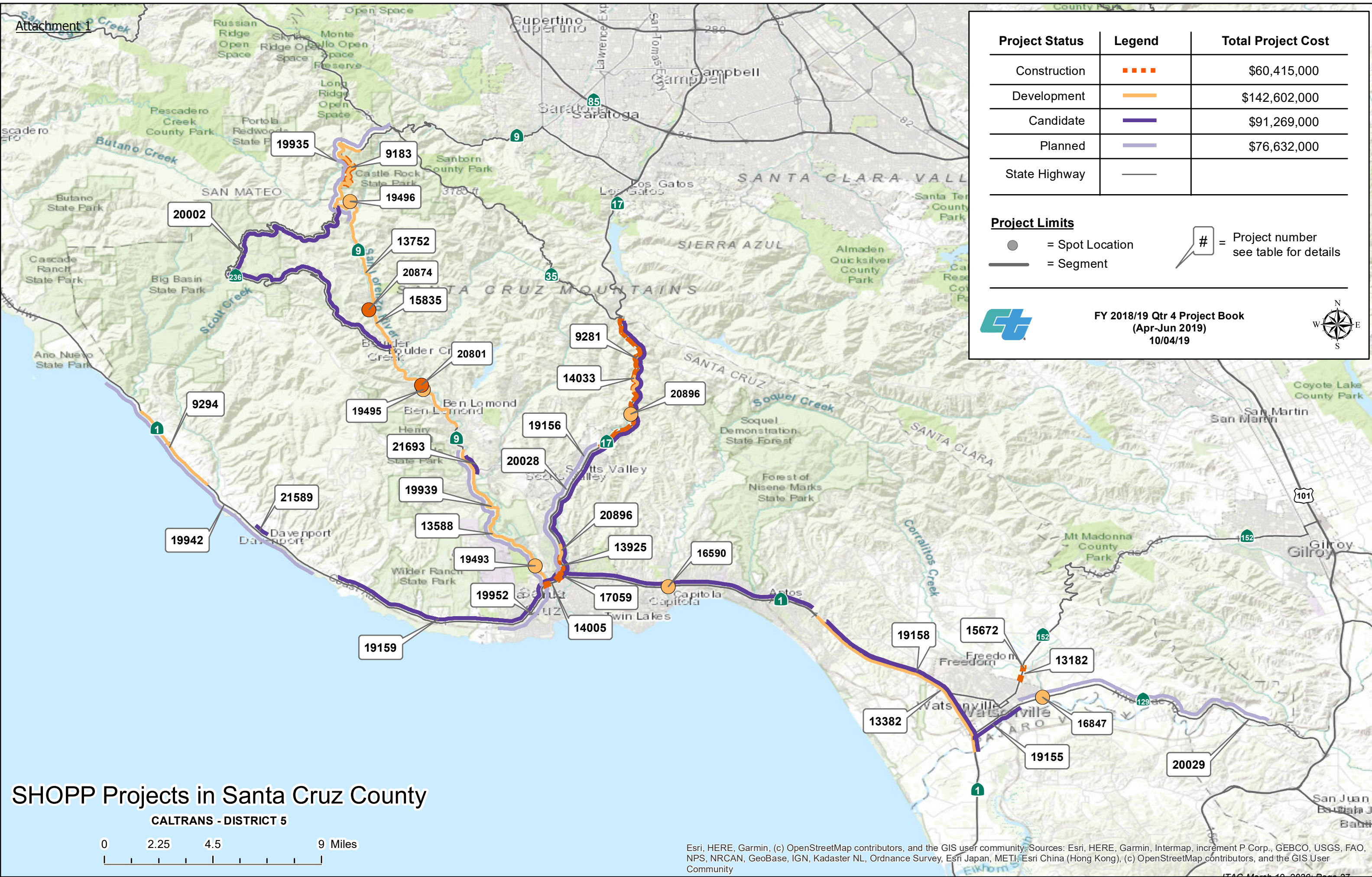
Major capital projects aimed at improving safety, operation, and maintenance of the state highway system are included in the State Highway Operation and Protection Program (SHOPP). Caltrans staff will provide an update on the SHOPP at this meeting.

Attachments:

1. SHOPP Project Map and List
2. Draft 2020 SHOPP Executive Summary
3. District 5 Update on the State Highway Operation And Protection Program (SHOPP) – also emailed to ITAC members Feb. 19, 2020

References:

- SHOPP website (includes draft 2020 SHOPP):
<https://dot.ca.gov/programs/transportation-programming/state-highway-operation-protection-program-shopp-minor-program-shopp>
- District 5 SHOPP webviewer:
<https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=97ceb019d16a4445acb3ae92cfaf8ca8>



Project Status	Legend	Total Project Cost
Construction	-----	\$60,415,000
Development	-----	\$142,602,000
Candidate	-----	\$91,269,000
Planned	-----	\$76,632,000
State Highway	-----	

Project Limits

● = Spot Location # = Project number see table for details

— = Segment

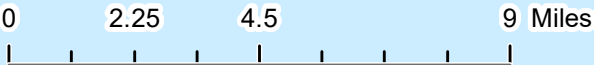


FY 2018/19 Qtr 4 Project Book
(Apr-Jun 2019)
10/04/19



SHOPP Projects in Santa Cruz County

CALTRANS - DISTRICT 5



Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

**Caltrans District 5 SHOPP Projects
in Santa Cruz County**


SHOPP ID	Route	Begin Postmile	End Postmile	Project Status	Project Type	Construction Year	Total Project Cost
9183	9	22.1	23.8	Construction	Safety - Collision Reduction	2017/18	\$13,208,000
9281	17	6	12.55	Construction	Pavement	2017/18	\$19,044,000
9294	1	31.9	35.7	Development	Drainage	2021/22	\$12,990,000
13182	152	1.3	R2.0	Construction	Mobility - ADA	2017/18	\$3,768,000
13382	1	R0.0	R8.1	Development	Roadside	2018/19	\$5,928,000
13588	9	0.1	7.5	Development	Sustainability/Climate Change	2019/20	\$6,146,000
13752	9	8.5	25.5	Development	Sustainability/Climate Change	2021/22	\$12,557,000
13925	17	0.2	0.9	Construction	Safety - SI	2017/18	\$10,057,000
14005	Var	Var	Var	Construction	Mobility - ADA	2018/19	\$3,206,000
14033	17	9.1	9.9	Development	Advance Mitigation/Mitigation	2020/21	\$3,115,000
15672	152	1.9	R2.0	Development	Mobility - ADA	2021/22	\$9,655,000
15835	9	13.6	15.5	Development	Bridge - Health	2021/22	\$23,210,000
16590	1	13.3		Development	Bridge	2021/22	\$7,703,000
16847	129	1.4		Development	Safety - SI	2019/20	\$9,129,000
17059	1	16.7	17	Development	Safety - SI	2019/20	\$11,381,000
19155	129	L0.0	0.56	Candidate	Pavement	2023/24	\$14,809,000
19156	17	0	12.5	Candidate	Sustainability/Climate Change	2026/27	\$9,502,000
19158	1	R0.0	R7.7	Candidate	Drainage	2023/24	\$16,554,000
19159	1	8.2	26	Candidate	Drainage	2023/24	\$24,021,000
19493	9	1		Development	Major Damage - Permanent Restoration	2021/22	\$18,231,000
19495	9	10.8		Development	Major Damage - Permanent Restoration	2021/22	\$6,910,000
19496	9	20		Development	Major Damage - Permanent Restoration	2020/21	\$6,647,000
19935	9	18.897	27.094	Planned	Pavement	2024/25	\$7,116,000
19939	9	0.046	7.5	Planned	Pavement	2025/26	\$30,531,000
19942	1	26.8	37.45	Planned	Drainage	2028/29	\$9,284,000
19952	1	17.5	20.2	Planned	Pavement	2025/26	\$13,431,000
20002	236	0.00	17.6	Candidate	Drainage	2025/26	\$9,897,000
20028	17	0	6.0	Planned	Pavement	2026/27	\$9,993,000
20029	129	0.56	9.998	Planned	Pavement	2026/27	\$6,277,000
20801	9	11		Construction	Major Damage - Emergency Opening	2017/18	\$5,050,000
20869	17	8.2		Development	Major Damage - Permanent Restoration	2021/22	\$7,438,000
20874	9	15		Construction	Major Damage - Permanent Restoration	2019/20	\$6,082,000
20896	17	0.7	1.4	Development	Drainage	2018/19	\$1,562,000
21589	1	28.9	29.5	Candidate	Safety - SI	2020/21	\$5,100,000
21693	9	6.3	7.2	Candidate	Safety - SI	2020/21	\$11,386,000

*Sorted by SHOPP ID


TERMS USED IN THIS REPORT

Candidate	Unprogrammed PID or PID in current SHOPP cycle. PID (Project Initiation Document).
Construction	Project currently in construction.
Development	Project in PA&ED or PS&E. PA&ED (Project Approval and Enviornmental Document), PS&E (Plans, Specifications, and Estimates).
Planned	Future project with approved PID.
SHOPP	State Highway Operation and Protection Program.
Var	Project occurs on various locations. Varous locations can include multipel counties, routes or postmiles. Primary locations is used for map display.

SHOPP ID	County	Route	Begin Mile	End Mile	Activity Category	Advertised Year	Projected Project Cost (\$K)	EA
19155	SCR	'129	L0.0	0.56	Pavement	2023/24	\$2,300.00	'1J830
19156	SCR	'017	0	12.5	Sustainability/Climate Change	2020/21	\$10,200.00	'1K670
19158	SCR	'001	R0.0	7.7	Drainage	2023/24	\$14,000.00	'1K640
19159	SCR	'001	8.2	26	Drainage	2023/24	\$15,100.00	'1J960
19935	SCR	'009	18.897	27.094	Pavement	2024/25	\$9,116.00	'1K900
19939	SCR	'009	0.046	7.5	Pavement	2022/23	\$26,989.00	'1K890
19942	SCR	'001	26.8	37.45	Drainage	2024/25	\$8,166.00	'1M120
19943	SCR	'001	2.683	7.947	Drainage	2024/25	\$2,850.00	'
19952	SCR	'001	17.5	20.2	Pavement	2025/26	\$10,439.00	'1M110
20002	SCR	'236	0	17.72	Drainage	2026/27	\$12,046.00	'1M070
20028	SCR	'017	0	6	Pavement	2026/27	\$18,629.00	'
20029	SCR	'129	0.56	9.998	Pavement	2026/27	\$12,496.00	'
20869	SCR	'017	8.2	8.2	Major Damage - Permanent R	2021/22	\$3,005.00	'1K070
20874	SCR	'009	15	15	Major Damage - Permanent R	2020/21	\$2,072.00	'1K140
21589	SCR	'001	28.9	29.5	Safety - SI	2020/21	\$5,200.00	'1M330
21602	SCR	'236	3.8	17.1	Major Damage - Emergency O	2018/19	\$1,110.00	'1K600
21693	SCR	'009	6.3	7.2	Safety - SI	2020/21	\$11,386.00	'1M400
21770	SCR	'236	5.4	5.4	Major Damage - Permanent R	2021/22	\$5,090.00	'1M450
22182	SCR	'017	3.2	3.7	Safety - SI	2022/23	\$7,950.00	'1M730
22239	SCR	'017	3.5	3.5	Major Damage - Emergency O	2019/20	\$550.00	'1M200

 = New project

 = New Reservation

 = Dropped project



2020 SHOPP

FISCAL YEARS
2020-21 through 2023-24

PROPOSED

Prepared by the
CALIFORNIA DEPARTMENT OF TRANSPORTATION

In accordance with Government Code section 14526.5

CALIFORNIA STATE TRANSPORTATION AGENCY

January 31, 2020

EXECUTIVE SUMMARY

The 2020 State Highway Operation and Protection Program (SHOPP) is the State Highway System's "fix-it-first" program that funds the repair and preservation, emergency repairs, safety improvements, and some highway operational improvements on the State Highway System (SHS). By continuously repairing and rehabilitating the SHS, the SHOPP protects the enormous investment that has been made over many decades to create and manage the approximately 50,000 lane-mile SHS. The SHS includes statutorily designated state-owned roads, highways (including the Interstate system) and bridges (including associated bicycle and pedestrian facilities) and their supporting infrastructure such as culverts, Transportation Management Systems (TMS), safety roadside rest areas, and maintenance stations. The SHOPP also funds legally mandated project categories such as retrofitting existing SHS facilities to comply with the Americans with Disabilities Act (ADA) and storm water control requirements. All projects funded by the SHOPP are limited to capital improvements that do not add capacity (no new highway lanes) to the SHS, though some new auxiliary lanes are eligible for SHOPP funding.

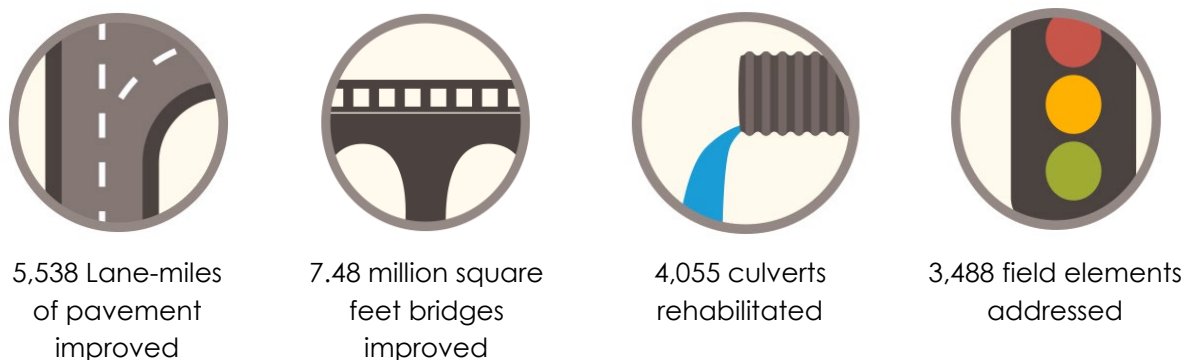
The SHOPP includes funding reservations for emergency repairs and safety improvements where specific project funding needs cannot be anticipated prior to actual incidents. Revenues for the SHOPP are generated by federal and state gas taxes and are fiscally constrained by the 2020 State Transportation Improvement Program Fund Estimate (Fund Estimate) that is produced by the California Department of Transportation (Caltrans) and adopted by the California Transportation Commission (Commission).

For the 2020 SHOPP, Caltrans will implement \$17.4 billion in projects over four years, covering Fiscal Years 2020-21 through 2023-24. A four-year summary of SHOPP investments is provided in **Table 2**. A more detailed 2020 Funding Summary is available in **EXHIBIT A** and the full 2020 County Listing of Projects in **EXHIBIT H**. Caltrans is submitting this proposed portfolio of projects to the Commission for Commission review and adoption. It is anticipated that the Commission will adopt the 2020 SHOPP by their meeting in May 2020.

The 2020 SHOPP is the first performance driven project portfolio built entirely driven by the Asset Management process. Projects in the 2020 SHOPP were developed under an asset management framework established through the California Transportation Asset Management Plan (TAMP) and implemented with the State

Highway System Management Plan (SHSMP). The SHSMP operationalizes the TAMP using Commission-adopted asset classes, performance measures and targets pursuant to Senate Bill 486 (SB 486). Furthermore, the 2020 SHOPP is also comprised of projects that address condition improvements across four primary asset classes (i.e., pavement, bridge, drainage, and TMS), in supporting progress to meet 2027 performance targets established in Senate Bill 1 (SB 1). The 2020 SHOPP performance measures for these primary asset classes are summarized in **Figure 1**.

Figure 1 - 2020 SHOPP Performance Measures



The TAMP identifies federal asset condition targets for pavement and bridges on the National Highway System (NHS) that meet or exceed SB 1 targets. The TAMP also puts forth performance targets for eight supplementary asset classes in addition to the four primary asset classes on the SHS in alignment with the Commission's 2017 TAMP Guidelines. With this, projects in the 2020 SHOPP go beyond just meeting SB 1 targets.

The SHSMP integrates both federal and state mandated targets and further expands the scope of asset management to 32 total performance objectives and targets. Project portfolios are developed to assure that 10-year performance targets are achieved and are published and updated quarterly in the SHOPP Ten-Year Project Book. All proposed new 2020 SHOPP projects that are not funded by reservations such as emergency opening projects or safety improvements, are listed in the Ten-Year Project Book.

Table 1 outlines the SB 1 ten-year goals to be achieved for the highway system for pavement, bridge, culverts and TMS asset classes.

Table 1 – 2017 to 2027 Ten-Year Condition Estimates

Asset Class	Projected End of Plan Condition Relative to Current
Pavement	Achieve a pavement pothole and cracking Level of Service of 90 percent or higher by 2027.
Bridges	Not less than 98.5 percent of bridge area to be in good or fair condition by 2027. Fix not less than an additional 500 bridges by 2027
Culverts	Not less than 90 percent of culvert length to be in good or fair condition by 2027.
Transportation Management Systems (TMS)	Not less than 90 percent of TMS elements to be in good condition by 2027.

SHOPP projects also provide opportunities to address other vital State priorities such as the implementation of Complete Streets elements such as pedestrian and bicycle facilities, climate change considerations (reduction of transportation related greenhouse gas (GHG) emissions and measures to enhance the resilience of transportation assets to future climate stressors), and enhancements to wildlife connectivity and fish passage. These are co-benefits to the primary purpose of the fix-it-first focus of the SHOPP. Such benefits are different from project impact mitigation that is required through the National Environmental Protection Act (NEPA) and the California Environmental Quality Act (CEQA). These additional project attributes go beyond NEPA and CEQA requirements by actively incorporating additional State priorities identified in statute, executive orders, and policies into the scope of SHOPP projects, as appropriate. For example, the scoping of a pavement rehabilitation project is an opportunity to evaluate whether the project can also meet pedestrian and bicycle needs, and where feasible, to include those elements into the project scope early in the project development process.

Caltrans is committed to making continuing improvements in implementation of Complete Streets features. These efforts include changes to Caltrans policy, guidance, procedures and organizational structure. For instance, Caltrans is evaluating its design guidance for consistency with externally available sources at the Federal and national association levels. Furthermore, efforts to develop an improved dataset of bicycle and pedestrian facilities is underway to better assess the inventory and condition of these assets for the 2021 SHSMP. An

analysis of the 2020 SHOPP has determined that 41 percent of the projects include one or more bicycle, pedestrian or transit focused feature and is demonstrating a growing Complete Streets focus.

The 2020 SHOPP was prepared by Caltrans in accordance with Government Code section 14526.5, Streets and Highways Code section 164.6, and the Commission SHOPP Guidelines. The 2020 SHOPP is the culmination of a multi-year development cycle that began with the identification of SHS rehabilitation needs and priorities in the SHSMP. The 2020 SHOPP Project List is also consistent with the TAMP that was prepared per state and federal requirements. The TAMP identifies at a broad level the projects needed to achieve asset performance targets for pavement, bridge, culverts and TMS elements over a ten-year period ending in the year 2027. The TAMP addresses both the SHS and the federal NHS. Not all of the SHS is included in the NHS and some of the facilities included in the NHS are local roads not on the SHS. The SHOPP only includes projects located on the SHS.

An additional component of the SHOPP is the funding program referred to as the Minor Program. Over the four years of the 2020 SHOPP, the Minor Program will include \$1 billion to implement relatively low cost (less than \$ 1.25 million) capital projects that meet all requirements for SHOPP eligibility. These funds enable Caltrans to quickly address small-scale needs that are beyond the scope of what can be addressed by the Caltrans Maintenance Program. These projects are at a scale that do not necessitate an extensive project development process as is normally required for more costly and complex capital projects. The Minor Program of projects is annually proposed by Caltrans for Commission approval, and the Minor Program funding amount is included within the SHOPP total.

V4.0 2020 SHOPP Project List
Santa Cruz
(\$1,000)



Dist-Co-Rte Post Mile PPNO Project ID	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
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MAJOR DAMAGE RESTORATION

05-Santa Cruz-9 1.0 2874 0518000125	In and near the city of Santa Cruz, at north of Vernon Street; also at south of Glengarry Road (PM 4.0). Construct sidehill viaducts, restore roadway and facilities, provide erosion control.	1K120 2021-22	R/W: \$46 Con: \$9,917	PA&ED: \$1,214 PS&E: \$3,851 R/W Sup: \$55 Con Sup: \$3,148	Prior 20-21 20-21 21-22	PA&ED: 3/24/2021 R/W Cert: 11/8/2021 RTL: 4/4/2022 Begin Con: 10/5/2022
Carryover			Subtotal: \$9,963	\$8,268		
			Total Project Cost:	\$18,231		

Program 201.131 Permanent Restoration
Project Output(s) 2 Location(s)

05-Santa Cruz-9 10.8 2847 0518000115	Near Brookdale, south of Western Avenue. Construct side hill viaduct extension with cutoff retaining wall, restore roadway and facilities, and install permanent erosion control.	1K060 2021-22	R/W: \$60 Con: \$3,280	PA&ED: \$756 PS&E: \$1,621 R/W Sup: \$95 Con Sup: \$1,098	Prior Prior Prior 21-22	PA&ED: 3/10/2020 R/W Cert: 7/1/2021 RTL: 7/1/2021 Begin Con: 10/27/2021
Carryover			Subtotal: \$3,340	\$3,570		
			Total Project Cost:	\$6,910		

Program 201.131 Permanent Restoration
Project Output(s) 1 Location(s)

V4.0 2020 SHOPP Project List
Santa Cruz
(\$1,000)



Dist-Co-Rte Post Mile PPNO Project ID	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
05-Santa Cruz-9 20.0 2876 0518000126	Near Boulder Creek, 1.1 miles south of Route 236. Construct tieback wall, restore roadway and drainage facilities, and install permanent erosion control measures.	1K130 2020-21	R/W: \$11 Con: \$3,621	PA&ED: \$620 PS&E: \$1,916 R/W Sup: \$212 Con Sup: \$1,250	Prior Prior Prior 20-21	PA&ED: 6/28/2019 R/W Cert: 11/10/2020 RTL: 11/13/2020 Begin Con: 4/13/2021
Carryover			Subtotal: \$3,632 Total Project Cost:	\$3,998 \$7,630		

Program 201.131 Permanent Restoration
Project Output(s) 1 Location(s)

05-Santa Cruz-17 8.2 2852 0518000117	Near Scotts Valley, south of Sugarleaf Road. Stabilize eroded side cut slope by grading and dewatering.	1K070 2021-22	R/W: \$50 Con: \$4,271	PA&ED: \$721 PS&E: \$1,288 R/W Sup: \$75 Con Sup: \$1,033	Prior Prior Prior 21-22	PA&ED: 3/30/2020 R/W Cert: 7/14/2021 RTL: 12/31/2021 Begin Con: 8/12/2022
Carryover			Subtotal: \$4,321 Total Project Cost:	\$3,117 \$7,438		

Program 201.131 Permanent Restoration
Project Output(s) 1 Location(s)

V4.0 2020 SHOPP Project List
Santa Cruz
(\$1,000)



Dist-Co-Rte Post Mile PPNO Project ID	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
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MANDATES

05-Santa Cruz-9	Near Ben Lomond, from Holiday Lane	1G950	R/W: \$271	PA&ED: \$1,445	Prior	PA&ED: 8/3/2020
8.5/25.5	to 4.7 miles north of the northern	2021-22	Con: \$5,361	PS&E: \$2,377	20-21	R/W Cert: 3/1/2022
2627	junction of Routes 236/9. Replace			R/W Sup: \$1,078	20-21	RTL: 3/29/2022
0516000005	failed culverts systems and construct			Con Sup: \$2,025	21-22	Begin Con: 9/7/2022
	energy dissipaters.					
			Subtotal: \$5,632	\$6,925		
Carryover			Total Project Cost:	\$12,557		

Program 201.335 Storm Water Mitigation
Project Output(s) 16.0 Acre(s) treated/pollutant

05-Santa Cruz-152	Near Watsonville, from 0.1 mile east of	1F620	R/W: \$247	PA&ED: \$1,621	Prior	PA&ED: 5/27/2020
1.9/R2.0	Beverly Drive to Holohan	2021-22	Con: \$3,205	PS&E: \$2,430	20-21	R/W Cert: 2/23/2022
2530	Road/College Road. Construct			R/W Sup: \$376	20-21	RTL: 4/1/2022
0514000039	pedestrian bridge next to the			Con Sup: \$1,776	21-22	Begin Con: 10/4/2022
	Corralitos Creek Bridge, concrete		Subtotal: \$3,452	\$6,203		
Carryover	barrier, retaining wall, curb, gutter		Total Project Cost:	\$9,655		
	and sidewalk to meet Americans with					
	Disabilities Act (ADA) standards.					

Program 201.361 Americans with Disabilities Act New Curb
Project Output(s) 5 Curb ramp(s)

Supplementary

<u>Asset</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>	<u>Unit</u>
Existing Condition	0.0	0.0	5.0	5.0	Each
Post Condition	5.0	0.0	0.0	5.0	Each

V4.0 2020 SHOPP Project List
Santa Cruz
(\$1,000)



Dist-Co-Rte Post Mile PPNO Project ID	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
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BRIDGE PRESERVATION

05-Santa Cruz-9 13.6/15.5 2655 0516000078	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.	1H470 2021-22	R/W: \$660 * Con: \$11,928	PA&ED: \$2,692 PS&E: \$2,884 R/W Sup: \$888 * Con Sup: \$4,158	Prior Prior Prior 21-22	PA&ED: 8/24/2020 R/W Cert: 1/24/2022 RTL: 1/24/2022 Begin Con: 7/1/2022
Carryover	(G13 Contingency)		Subtotal: \$12,588	\$10,622		
			Total Project Cost:	\$23,210		

* Construction Capital and * Construction Support phases are NOT authorized

Program 201.110 Bridge Major Rehabilitation
Project Output(s) 2 Bridge(s)

Primary Asset

(Bridge Health)	Good	Fair	Poor	Quantity	Unit
Existing Condition	0.0	1,615.0	2,454.0	4,069.0	Square feet
Post Condition	4,069.0	0.0	0.0	4,069.0	Square feet

Bridge Health	Existing Condition	Post Condition
Bridge No. 36-0052	Fair	Good
Bridge No. 36-0054	Poor	Good

05-Santa Cruz-1 13.3 2736 0516000079	In Capitola, at Soquel Creek Bridge No. 36-0013. Place Rock Slope Protection (RSP) to protect bridge foundation.	1H480 2021-22	R/W: \$546 Con: \$2,228	PA&ED: \$1,591 PS&E: \$1,370 R/W Sup: \$196 Con Sup: \$1,772	Prior Prior Prior 21-22	PA&ED: 12/31/2019 R/W Cert: 4/29/2021 RTL: 7/1/2021 Begin Con: 2/1/2022
Carryover			Subtotal: \$2,774	\$4,929		
			Total Project Cost:	\$7,703		

Program 201.119 Bridge Preventative Maintenance
Project Output(s) 1 Bridge(s)

Primary Asset

(Bridge Health)	Good	Fair	Poor	Quantity	Unit
Existing Condition	0.0	32,787.0	0.0	32,787.0	Square feet
Post Condition	32,787.0	0.0	0.0	32,787.0	Square feet

Bridge Health	Existing Condition	Post Condition
Bridge No. 36-0013	Fair	Good

V4.0 2020 SHOPP Project List
Santa Cruz
(\$1,000)



Dist-Co-Rte Post Mile PPNO Project ID	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
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ROADWAY PRESERVATION

05-Santa Cruz-129	In and near Watsonville, from Route 1	1J830	R/W: \$641	PA&ED: \$1,143	20-21	PA&ED: 2/1/2022
L0.0/0.6	to east of Blackburn Street.	2023-24	Con: \$7,296	PS&E: \$2,292	21-22	R/W Cert: 4/2/2024
2775	Rehabilitate pavement and lighting,			R/W Sup: \$1,778	21-22	RTL: 5/1/2024
0518000078	replace sign panels, and install			Con Sup: \$1,659	23-24	Begin Con: 1/8/2025
	Transportation Management System		Subtotal: \$7,937	\$6,872		
New	(TMS) elements.		Total Project Cost:	\$14,809		

Program 201.121 Pavement Rehabilitation (CAPM)
Project Output(s) 6.8 Lane mile(s)

Primary Asset

	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>	<u>Unit</u>
Existing Condition	0.0	6.8	0.0	6.8	Lane mile(s)
Post Condition	6.8	0.0	0.0	6.8	Lane mile(s)

05-Santa Cruz-1	In and near Watsonville, from	1K640	R/W: \$20	PA&ED: \$1,570	20-21	PA&ED: 10/24/2022
R0.0/R7.9	Monterey County line to north of	2023-24	Con: \$10,652	PS&E: \$2,456	22-23	R/W Cert: 3/1/2024
2926	Larkin Valley Road; also in Monterey			R/W Sup: \$43	22-23	RTL: 4/1/2024
0518000239	County (PM R101.53). Rehabilitate			Con Sup: \$1,813	23-24	Begin Con: 10/1/2024
	drainage systems and lighting, install		Subtotal: \$10,672	\$5,882		
New	Transportation Management System		Total Project Cost:	\$16,554		
	(TMS) elements, pave areas behind					
	the gore and construct Maintenance					
	Vehicle Pullouts (MVPs) to reduce					
	maintenance and enhance highway					
	worker safety.					

Program 201.151 Drainage System Restoration
Project Output(s) 27 Culvert(s) (ea)

Primary Asset

	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>	<u>Unit</u>
Existing Condition	45.1	776.6	2,167.8	2,989.5	Linear feet
Post Condition	2,989.5	0.0	0.0	2,989.5	Linear feet

V4.0 2020 SHOPP Project List
Santa Cruz
(\$1,000)



Dist-Co-Rte Post Mile PPNO Project ID	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
05-Santa Cruz-1 8.2/26.0 2843 0518000093	In and near the cities of Capitola and Santa Cruz, from north of Larkin Valley Road Undercrossing to Laguna Road; also in Monterey County (PM R101.53). Rehabilitate drainage systems, enhance highway worker safety, replace lighting and install Transportation Management System (TMS) elements.	1J960 2023-24	R/W: \$174 Con: \$14,389	PA&ED: \$2,206 PS&E: \$3,264 R/W Sup: \$779 Con Sup: \$3,209	20-21 22-23 22-23 23-24	PA&ED: 7/1/2022 R/W Cert: 4/1/2024 RTL: 5/1/2024 Begin Con: 11/1/2024
New			Subtotal: \$14,563 Total Project Cost:	\$9,458 \$24,021		

Program 201.151 Drainage System Restoration
Project Output(s) 42 Culvert(s) (ea)

Primary Asset

	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>	<u>Unit</u>
Existing Condition	0.0	1,794.0	2,038.0	3,832.0	Linear feet
Post Condition	3,832.0	0.0	0.0	3,832.0	Linear feet

05-Santa Cruz-1 31.9/35.7 1967 0512000069	Near Davenport, from 1.4 miles north of Swanton Road to 0.6 mile south of Waddell Creek. Replace and upgrade existing Corrugated Metal Pipe (CMP) culverts with Reinforced Concrete Pipe (RCP) culverts.	0J200 2021-22	R/W: \$262 Con: \$8,205	PA&ED: \$964 PS&E: \$1,940 R/W Sup: \$344 Con Sup: \$1,365	Prior Prior Prior 21-22	PA&ED: 10/28/2019 R/W Cert: 4/12/2021 RTL: 8/12/2021 Begin Con: 9/17/2021
Carryover			Subtotal: \$8,467 Total Project Cost:	\$4,613 \$13,080		

Program 201.151 Drainage System Restoration
Project Output(s) 4 Culvert(s) (ea)

Primary Asset

	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Quantity</u>	<u>Unit</u>
Existing Condition	0.0	0.0	680.0	680.0	Linear feet
Post Condition	680.0	0.0	0.0	680.0	Linear feet

V4.0 2020 SHOPP Project List
Santa Cruz
(\$1,000)



Dist-Co-Rte Post Mile PPNO Project ID	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
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ROADSIDE PRESERVATION

05-Santa Cruz-17	Near Scotts Valley, from 0.4 miles	1G260	R/W: \$138	PA&ED: \$738	Prior	PA&ED: 5/29/2018
9.1/9.9	south of Laurel Road to 0.5 miles north	2020-21	Con: \$138	PS&E: \$2,013	Prior	R/W Cert: 8/17/2020
2593	of Laurel Road. Construct wildlife			R/W Sup: \$226	Prior	RTL: 2/8/2021
0514000131	undercrossing. Funding for PA&ED,			Con Sup: \$226		Begin Con: 9/22/2021
	PS&E and R/W only. Local		Subtotal: \$138	\$2,977		
Carryover	contributions to fund remaining		Total Project Cost:	\$3,115		
	components.					

Program 201.240 Roadside Enhancement
Project Output(s) 1 Location(s)

Santa Cruz County

R/W:	\$3,126	PA&ED:	\$17,281
Const:	\$84,353	PS&E:	\$29,702
		R/W Sup:	\$6,145
		Con Sup:	\$24,306
Subtotal:	\$87,479		\$77,434
Total (Capital + Support):			\$164,913

February 7, 2020

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 January 2020, please see Attachment 1. For projects currently awaiting programming please see the draft 2020 SHOPP (Attachment 2) which is currently under public review and comment. Here is the link:

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

For Project Initiation Documents (PID) currently under development for the 2022 SHOPP, please see Attachment 3.

For your Non-SHOPP projects that are captured in the 3-yr workplan we request that you review the list and provide any updates as well as identify any new regionally or locally funded projects that Caltrans should be aware. Discussion of proposed scope, funding scenarios, delivery timeframes, potential impacts to the State Highway System, and coordination responsibilities can help determine

partnering opportunities. As a reminder, 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. For all NON-SHOPP questions please contact Garin Schneider at 805-549-3640 or email Garin.Schneider@dot.ca.gov.

The District 5 SHOPP Webviewer tool (link below) is available to view all the SHOPP projects in development for your region. As well as the projects in the approved SHOPP 10-Yr Book.

<https://caltrans.maps.arcgis.com/apps/webappviewer/index.html?id=97ceb019d16a4445acb3ae92cfaf8ca8>

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 Darron Hill at 805-549-3398 or email Darron.Hill@dot.ca.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Richard Rosales".

Richard Rosales
Deputy District Director Program/Project Management/Asset Management

Attachments

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

Enclosure

cc. Aileen Loe, Garin Schneider, Kelly McClendon, Terri Persons, John Olejnik, Luis Duazo, Doug Hessing, Mike Lew, Carla Yu, Ken Dostalek, Amy Donatello, Aaron Henkel, Barak Miles, and Berkley Lindt



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

Route	Post Miles	EA Project Identifier	PPNO	Project Description	Project Name	Current Project Phase	Ready to List (Target/Actual)	Contract Acceptance (Target Date) Anticipated end of construction	Project Manager Phone # Email	SB-1 Funds	Cost (\$1,000) CON/RW
Programmed in 17/18 FY											
17	6.0/12.6	1F760 0514000051	2538	In and near Scotts Valley, from north of Santa's Village Road to the Santa Clara County line. Pavement rehabilitation. *SB1	North Route 17 CAPM	CON	6/14/2018 (A)	11/25/2020	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	Yes	\$13,130 Award/\$7
1	10.2/17.5; VAR	1C85U 0518000156	2432	Near the city of Santa Cruz, from North Aptos Underpass to Route 9. Rehabilitate pavement (1C850); Near the city of Santa Cruz, on Routes 1 and 17 at various locations. Bridge rail replacement and upgrades (1F520). *SB1 Project 1C850 was combined with 1F520 for construction into 1C85U.	SCR-1 Pavement Overlay & Santa Cruz Bridge Rails	CON	12/07/2018 (A)	7/7/2020	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	Yes	\$25,177 Award/\$19
9	22.1/23.8	1C650 0512000185	2418	In Castle Rock State Park, from 5 miles south to 3.3 miles south of Route 35. Widen shoulders, replace guardrail and construct centerline rumble strips.	Hwy 9 Shoulder Widening, Guardrail Upgrades, and Center Rumble Strips	CON	6/21/2018 (A)	12/14/2020	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$3,743 Award/\$20
152	1.3/R2.0	1E020 0513000025	2464	In Watsonville, from Wagner Avenue to Holohan Road. Construct pedestrian infrastructure.	SCR 152 ADA	CON	6/21/2018 (A)	12/19/2019	Mike Lew 805-549-3227 mike.lew@dot.ca.gov	No	\$1,536 Award/\$195
17	0.2/0.5	1C670 0512000194	2422	Near the city of Santa Cruz, from southbound exit ramp to Route 1 to entrance ramp from Pasatiempo Drive. Widen shoulder and construct retaining wall.	Pasatiempo Shoulder Widening	CON	6/27/2018 (A)	1/2/2020	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	No	\$5,916 Award/\$181
VAR	VAR	1K240 0518000141	2888	In Monterey, Santa Cruz, San Benito, San Luis Obispo and Santa Barbara Counties on various routes at various locations. Repair electrical systems. EFA 05A2102. (Project in MON, Scr, SBT, SLO and SB counties.)	Electrical Repair Work	CON	N/A	N/A	Berkley Lindt 805-549-3315 berkley.lindt@dot.ca.gov	No	\$314/\$0
Programmed in 18/19											
236	3.8/17.1	1K600 0518000226	2912	In Santa Cruz County from 0.3 mile west of China Grade Road to 0.6 mile west of Junction Route 9 / Waterman's Gap, remove slide material, repair slopes and restore roadway. EFA 05A2180.	Repair Slip Outs	CON	N/A	N/A	Berkley Lindt 805-549-3315 berkley.lindt@dot.ca.gov	No	\$800 Award/\$10
VAR	VAR	1G160 0514000118	2590	In Santa Cruz County, on Routes 1, 9, 17, 129, and 152 at various locations. Install Accessible Pedestrian Signals (APS).	Santa Cruz County APS	CON	1/11/2019 (A)	10/2/2020	Mike Lew 805-549-3227 mike.lew@dot.ca.gov	No	\$1,042 Award/\$11

Attachment 1

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
January 2020 Semi-Annual List

Route	Post Miles	EA Project Identifier	PPNO	Project Description	Project Name	Current Project Phase	Ready to List (Target/Actual)	Contract Acceptance (Target Date) Anticipated end of construction	Project Manager Phone # Email	SB-1 Funds	Cost (\$1,000) CON/RW
Programmed in 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	03/12/2019 (T)	11/12/2020	Carla Yu 805-549-3794 carla.yu@dot.ca.gov	No	\$4,742 Award/\$5
17	0.7/1.4	0Q601 0514000145	1989Y	In Santa Cruz, from 0.7 mile north of Route 1/17 Separation to Beulah Park Undercrossing. Landscape mitigation for 0Q600.	Hwy 17 Storm Water Mitigation Landscape Split	CON	03/29/2019 (A)	4/13/2023	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$427 Award/\$0
VAR	VAR	1G310 0514000140	2595	In Monterey, Santa Cruz and San Benito counties, on various routes at various locations. Replace and install advance curve warning signs. (Project in MON; also in SCR & SBt Counties)	Warning Sign Upgrades	CON	06/14/2019 (A)	9/8/2020	Barak Miles 805-549-3821 barak.miles@dot.ca.gov	No	\$1,132 Award/\$48
Programmed in 19/20											
Var	Var	1M190 0519000079	3002	In Santa Cruz and Monterey Counties at 3 Locations repair damaged drainage facilities EFA Contract 05A2212. (Project in MON SCR.)	Repair Drainage Systems.	CON	N/A	N/A	Berkley Lindt 805-549-3315 berkley.lindt@dot.ca.gov	No	\$500/\$10
Var	Var	1M620 0520000040		In Monterey, Santa Cruz, and San Benito Counties modify traffic signal locations for PSPS retro-reflective enhancements, Signal Ahead signs and Pavement Markings EFA Contract Pending. (Project in MON, SBt, SCR)	PSPS High Priority Signals - North	CON	N/A	N/A	Berkley Lindt 805-549-3315 berkley.lindt@dot.ca.gov	No	\$900/\$0
17	3.56	1M200 0519000082		In Santa Cruz County on Route 17 at Glen Canyon Rd. UC 36-0067 replace median barrier, repair bridge deck closure slab, and repair roadway surface. EFA Contract Pending.	Glen Canyon Road UC Median Barrier	CON	N/A	N/A	Berkley Lindt 805-549-3315 berkley.lindt@dot.ca.gov	No	\$580/\$0
9	15	1K140 0518000127	2875	In Santa Cruz County on Route 9 near Boulder Creek at Spring Creek Road. Construct Soldier Pile Retaining Wall, restore roadway and drainage facilities, install permanent erosion control.	PM15 Soldier Pile Wall	CON	02/15/2019 (A) 11/21/2019 (T)	04/01/2020 1/26/2022	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$1,594 Award/\$3
1, 8, 68, 129, 152, 183	VAR	1G760 0515000101	N/A	On various routes in Monterey and Santa Cruz counties at various locations. Electrical/Signs/Markings/Pavement. (Project in MON & SCR. Counties)	North District Crosswalk Enhancements	PS&E/RW	06/14/2019 (A)	9/8/2020	Ken Dostalek 805-549-3133 ken.dostalek@dot.ca.gov	No	\$1,250/\$3
1,17	16.7/16.7, 0.3/0.3	1H060 0516000020	2636	In and near Santa Cruz, from 0.1 mile south of Route 1/17 Separation to 0.4 mile south of Pasatiempo Overcrossing; also on Route 17 (PM 0.0/0.3). Realign southbound Route 17 connector to southbound Route 1.	Pasatiempo II	PS&E/RW	11/15/2019 (T)	7/1/2021	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	No	\$5,811/\$658

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
January 2020 Semi-Annual List

Route	Post Miles	EA Project Identifier	PPNO	Project Description	Project Name	Current Project Phase	Ready to List (Target/Actual)	Contract Acceptance (Target Date) Anticipated end of construction	Project Manager Phone # Email	SB-1 Funds	Cost (\$1,000) CON/RW
Programmed in 19/20 (continued)											
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	Amy Donatello 805-549-3014 amy.donatello@dot.ca.gov	Yes	\$3,200/\$21
9	0.1/7.5	1F920 0514000075	2569	In and near the city of Santa Cruz, from Route 1 to north of Fall Creek Drive. Stormwater improvements.	SCR 9 South Drainage and Erosion Control Improvements	PS&E/RW	5/4/2020 (T)	11/1/2021	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$2,024/\$86
129	1.4	1G990 0516000010	2625	Near Watsonville, at Lakeview Road. Construct roundabout and improve street lighting.	129/Lakeview Intersection Project	PS&E/RW	6/1/2020 (T)	9/1/2022	Luis Duazo 805-542-4678 luis.duazo@dot.ca.gov	No	\$4,481/\$749
VAR	VAR	1H040 0516000015	2634	In Monterey County and Santa Cruz Counties, on Various Routes and locations. Replace overhead signs. (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
Programmed in 20/21											
9	19.97/19.97	1K130 0518000126	2876	In Santa Cruz County near Boulder Creek about 1.1 mile south of Junction 236/9. Construct Soldier Tieback Retaining Wall.	PM 19.97 Hairpin Tieback Route 9	PS&E/RW	11/13/2020 (T)	10/6/2022	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	TBD	\$3,621/\$11
VAR	VAR	1G960 0516000006	2628	In Santa Barbara County, San Luis Obispo, Monterey and Santa Cruz Counties on Routes 1, 101, 129, 135, 156 and 246 at various locations. Install 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/\$262

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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											
1	13.31	1H480 0516000079	2736	In Capitola, at Soquel Creek Bridge No. 36-0013. Place Rock Slope Protection (RSP) to protect bridge foundation.	Soquel Creek Scour Protection	PA&ED	7/1/2021 (T)	9/29/2023	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$2,228/\$546
9	10.8/10.8	1K060 0518000115	2847	In Santa Cruz County near Brookdale, south of Western Avenue. Construct side hill viaduct extension with cutoff retaining wall, restore roadway and facilities, and install permanent erosion control.	Viaduct Wall Extension	PA&ED	7/1/2021 (T)	8/29/2023	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	No	\$3,280/\$60
17	8.2/8.2	1K070 0518000117	2852	In Santa Cruz County near Scotts Valley at 0.5 miles south of Sugarloaf Road. Construct rock fence / barrier at Jarvis Slide.	Jarvis Slide Rock Fence	PA&ED	12/31/2021 (T)	1/5/2023	Aaron Henkel 805-549-3084 aaron.henkel@dot.ca.gov	No	\$4,271/\$50
9	13.6/15.5	1H470 0516000078	2655	Near Boulder Creek, at San Lorenzo River Bridge No. 36-0052 (PM 13.61) and Kings Creek Bridge No. 36-0054 (PM 15.49). Replace bridges to maintain standards of safety and reliability. *SB1.	San Lorenzo River Bridge & Kings Creek Bridge Replacement	PA&ED	1/24/2022 (T)	3/27/2026	Doug Hessing 805-549-3386 doug.hessing@dot.ca.gov	Yes	\$11,928/\$660
9	8.5/25.5	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
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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



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
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	Doug Hessing (805) 549-3386
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
1M730	Safety Improvements	17	3.2/3.7	In Santa Cruz County on State Route 17 between Mt. Herman Road to Old Santa Cruz Highway	Doug Hessing (805) 549-3386
1M330	Safety Improvements	1 9 17 129	28.9/29.5 .22/27.09 0/6.0 L.03/5.1	In Santa Cruz and San Benito Counties at Various Locations	Doug Hessing (805) 549-3386

ID# (EA)	Project Activity	Route	Postmile	Project Location	Project Manager
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

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
Locally Sponsored										
SCR	17	5.45	12.55	Operational Improvements	SR 17 Access Management Improvements	SCCRTC TBD	X	X		No
SCR	1	0.0	37.45	Operational Improvements	SR 1 Operational Improvements for Transit (BUS on Shoulders)	Santa Cruz Metro	X			No
SCR	1	13.19	13.19	Operational Improvements	SR 1 Mission at Bay Street Intersection Improvements	City of Santa Cruz				No
SCR	152	T2.503	T2.503	Operational Improvement	SR 152/Main St/Freedom Blvd Roundabout	City of Watsonville			X	
SCR	9	0.05	27.09	Operational Improvements	SR 9 Corridor Improvements	SCCRTC & Caltrans Santa Cruz County	X			No
State Sponsored										
No Projects at this time										

Attachment 4

2/7/2020

ITAC-March 19, 2020: Page 51

TO: Interagency Technical Advisory Committee (ITAC)

FROM: SCCRTC Staff

RE: Update on Transportation Impact Analysis (SB 743-Implementation) and Caltrans's Draft Vehicle Miles Traveled (VMT)-Focused Transportation Impact Study Guide (Draft TISG)

RECOMMENDATION

Staff recommends that the Interagency Technical Advisory Committee (ITAC) discuss and provide input on local and state implementation of SB743 related to traffic impact analysis.

BACKGROUND

Historically environmental review of the transportation impacts of projects focused on the delay that vehicles experience at intersections and on roadway segments, often measured using a "level of service" (LOS) metric. SB743, approved by the state legislature in 2013, shifts the focus of transportation analysis from driver delay to reduction of greenhouse gas emissions, creation of multimodal networks and promotion of a mix of land uses. The intended purpose of the change is to promote infill and transit-oriented development patterns that reduce overall vehicle miles traveled (VMT) and therefore vehicle greenhouse gas emissions. In December 2018, the state's CEQA Guidelines were amended to change the significance metric used for assessing transportation impacts of projects under CEQA from a delay-based LOS to area-based Vehicle Miles Traveled (VMT), particularly within areas served by transit, also known as transit priority areas.

DISCUSSION

At the March 2020 ITAC meeting, City and County of Santa Cruz staff (Claire Fleisler and Anais Schenk) will provide an update on local efforts to implement SB743 and Caltrans District 5 planning staff (John Olejnik) will discuss and respond to questions regarding Caltrans draft TISG and other traffic impact analysis tools.

Staff recommends that the ITAC discuss and provide input on local and state proposals for implementation on SB743.

The required change to traffic impact analysis under CEQA becomes mandatory July 1, 2020. The Governor's Office of Planning and Research (OPR) has released a technical advisory that provides high-level guidance and establishes VMT thresholds for different types of land use and transportation projects. The amended state CEQA guidelines and OPR technical resources are available online at: <http://opr.ca.gov/ceqa/updates/sb-743/>.

Last month, Caltrans also released a discussion Draft Vehicle Miles Traveled (VMT)-Focused Transportation Impact Study Guide (TISG). Online at:

<https://dot.ca.gov/programs/transportation-planning/office-of-smart-mobility-climate-change/sb-743>.

Caltrans will use this document to assess vehicle miles traveled impacts of projects on the State Highway System and its review of local development projects. Caltrans is seeking informal input on its discussion draft TISG by March 30, 2020 (Attachment 1). In some counties, agencies are planning to follow Caltrans' guidance for the evaluation of all transportation projects.

In addition to the TISG Caltrans is also preparing the following:

- **Transportation Analysis Framework: Induced Travel Analysis** guidance – This methodology-focused guidance document is aimed at capacity-adding projects on the State Highway System only. It is not intended to be used for NEPA analyses or other CEQA analyses (such as air and noise). It will include guidance about Travel Demand Models, qualitative analysis and the NCST Induced Travel Calculator <https://blinktag.com/induced-travel-calculator/index.html>. Staff will share this document with ITAC members when available.
- **Modeling:** Caltrans' California Statewide Travel Demand Model (CSTDM) is available for use when calculating residential and office projects' VMT. Contact Steven.Vo@dot.ca.gov for a VMT data spreadsheet and shape files.
- **Website:** The Caltrans SB743 website also includes resources, such as innovative mitigation models that could be used to implement programmatic VMT mitigation strategies for land use or transportation projects (mitigation banks); and links to examples of how other jurisdictions are implementing SB743.

Local Efforts

Santa Cruz County jurisdictions have been working together to implement the VMT metric across the county that could be used by member jurisdictions when evaluating the impacts of new land use and transportation projects on the existing transportation system under CEQA.

SUMMARY

State law (SB743) revised traffic thresholds to measure how transportation impacts are analyzed under CEQA. The ITAC will receive updates on local and state implementation of SB743 at this meeting.

Attachment:

1. Caltrans TISG Notice

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Memorandum

*Making Conservation
a California Way of Life*

To: TRANSPORTATION STAKEHOLDERS

Date: February 28, 2020

From: ELLEN GREENBERG
Deputy Director, Sustainability

CHRIS SCHMIDT
SB 743 Program Manager

Subject: Caltrans Draft VMT-Focused Transportation Impact Study Guide (Draft TISG) – 30 Day Informal Review Period

Senate Bill (SB) 743, signed in 2013 and incorporated into the California Environmental Quality Act (CEQA) Guidelines in 2018, better aligned CEQA with the State's climate and air quality goals. It is changing CEQA analysis of transportation impacts associated with both land development and infrastructure projects.

Overview

SB 743 means major changes in CEQA review of transportation analysis of local land use projects. These changes follow both the CEQA Guidelines revisions (§15064.3) published by the Natural Resources Agency in December 2018¹, and the "Technical Advisory on Evaluating Transportation Impacts in CEQA" prepared by the Governor's Office of Planning and Research (OPR)². Caltrans supports implementation of the guidance from these State Agency partners.

For land use projects, SB 743 prohibits identification of automobile delay as a significant impact on the environment within CEQA transportation analysis. By July 1, 2020, public agencies evaluating the impact of development projects are required to use vehicle miles traveled (VMT) to evaluate transportation impacts. This change removes the focus on traffic at intersections and roadways immediately around project sites. Instead, the focus will be on how new development projects may influence the overall amount of automobile use. Some project types are exempted in order to streamline developments not likely to cause additional automobile travel, such as those in infill areas.

¹ California Department of Natural Resources, 2018. "CEQA Guidelines."
https://resources.ca.gov/CNRALegacyFiles/ceqa/docs/2018_CEQA_FINAL_TEXT_122818.pdf

² California Governor's Office of Planning and Research (OPR), 2018. "Technical Advisory on Evaluating Transportation Impacts in CEQA." http://opr.ca.gov/docs/20190122-743_Technical_Advisory.pdf

These changes to the environmental review process aim to reduce automobile dependency by supporting infill development, reducing average length of vehicle trips, and increasing use of more sustainable modes including carpooling, cycling, walking, and transit. These shifts are essential to supporting the State's growing population and economy while meeting climate and air quality goals.

Request for Review and Feedback

Caltrans Draft VMT-Focused Transportation Impact Study Guide is attached to this memorandum. It is guidance to Caltrans Districts, lead agencies, developers and consultants regarding Caltrans review of a land use project or plan's transportation analysis using a VMT metric. **Caltrans invites your informal review and feedback on the Draft TISG by close of business on March 30, 2020.** The Draft TISG is posted on Caltrans SB 743 implementation webpage. Click the link on the webpage to provide informal feedback on it.

Caltrans will hold a webinar to discuss the content of the Draft TISG and hear your comments, concerns, and questions. Members of Caltrans' SB 743 Implementation Team are also available to discuss the document. Please contact Ali Doerr-Westbrook (916-653-2580) to schedule a call or meeting.

Thank you in advance for your contributions to this important work.

Attachment: Draft VMT-Focused Transportation Impact Study Guide

Online at: <https://dot.ca.gov/programs/transportation-planning/office-of-smart-mobility-climate-change/sb-743>

Transportation Program Updates and Announcements

i. California Transportation Commission (CTC) Programs (<https://catc.ca.gov/programs>)

a. Competitive Programs: Local Partnership Program (LPP), Solutions for Congested Corridors Program (SCCP), and Active Transportation Program (ATP) Cycle 5

	Available Funds*	Fund Years	Guidelines Adoption/ call for projects	Applications due	CTC staff recs	CTC Awards Funds
LPP	~\$215M	FY20/21-22/23	3/25/20	6/12/20	11/12	12/2/20
SCCP	\$494M	FY21/22-22/23	1/29/20	6/30/20		
ATP	~\$260M statewide & small urban/rural	FY21/22-24/25	3/25/20 (consider rubrics!)	6/15/20	11/16	12/2/20

**Estimated competitive (not formula) funds available statewide, subject to final CTC confirmation. RTC programmed LPP-Formula (FY19/20-22/23) funds to Hwy 1 Auxiliary Lanes and Bus on Shoulders State Park Drive to Freedom Blvd 3/5/20*

b. SB1 LSR: FY2020-21 Local Streets and Roads Road Maintenance and Rehabilitation Account (RMRA) project list and resolution submittals due to CTC by **May 1, 2020**

c. Previously Programmed Projects: **Last chance** to submit allocation or extension requests for funds currently programmed by CTC in FY19/20 to Donn Miyahara is **4/27/20**. If CTC does not consider requests in FY19/20, funds will be lost.

d. 2020 STIP - CTC staff recommendations match RTC proposal, CTC adoption scheduled for March 25/26

ii. Federal BUILD- Applications due **May 18, 2020** (<https://www.transportation.gov/BUILDgrants>)

a. Projects in Santa Cruz County categorized as "rural" since no census-defined urban area over 200k

b. Available funds: \$1 billion nationwide (must be obligated by 9/30/22)

- At least \$15 million available for pre-construction and planning activities
- 50% for rural areas
- No match required for rural areas
- Min. grant: \$1M; max \$25M per project; \$100M per state

c. Awards Announced: September 15, 2020

iii. Measure D:

- Expenditure Reports/Audits to Taxpayer Oversight Committee in April 2020
- 5-year Plan updates – this spring

iv. Highway Safety Improvement Program (HSIP):

- The next HSIP Call for Projects (Cycle 10) is expected to be announced around April/May, 2020.

- b. Local Road Safety Plans – If a public works department has not yet prepared the plan, Caltrans recommends submitting an application, as more LRSP funds may be available by October 2020. <https://dot.ca.gov/programs/local-assistance/fed-and-state-programs/highway-safety-improvement-program/local-roadway-safety-plans>
- v. Low Carbon Transit Operations Program (LCTOP): RTC programmed \$502,764 to METRO 3/5/20 for battery-electric bus infrastructure at Watsonville Transit Center; submittal due to Caltrans 4/8/20.
- vi. HCD's LEAP: Applications due to HCD by July 1, 2020 for the Local Early Action Planning Grants Program (LEAP). This is a non-competitive, one-time funding opportunity for all cities and counties to update planning documents and implement process improvements that facilitate accelerated housing production. A workshop is scheduled at the AMBAG office in Monterey on March 30, 2020. **Register for the workshop:** <https://bit.ly/3apFdOU>
More information: <https://www.hcd.ca.gov/grants-funding/active-funding/leap.shtml>
- vii. Urban Greening Grant Program: In light of recent developments related to COVID-19, the California Natural Resources Agency has postponed the solicitation due date (previously May 1, 2020) and upcoming workshops for the Urban Greening Grant Program. They will provide updates as information becomes available in coming weeks.
<https://resources.ca.gov/grants/urban-greening/>
- viii. Caltrans Planning Grants: The FY 2021-22 Sustainable Transportation Planning Grant Application Guide will be updated with stakeholder input in spring 2020. The call-for-applications expected late summer 2020, with applications due in early to mid-fall 2020
<https://dot.ca.gov/programs/transportation-planning/regional-planning/sustainable-transportation-planning-grants>
- ix. STEP – Comments on Draft Requirements and Criteria due March 18
The California Air Resources Board (CARB) has released [Draft Requirements and Criteria](#) for the Sustainable Transportation Equity Project (STEP). STEP is a \$22 million pilot. Lead applicants for planning and implementation grants may include CBOs, federally recognized tribes, and local governments. Regional agencies may participate as a co-applicant. CARB is accepting public comments on the Draft Requirements and Criteria until March 18 via step@arb.ca.gov. The Final STEP Solicitation will tentatively be available mid-May 2020.
- x. Other programs and grant opportunities: Committee members are encouraged to share information about other grants at the meeting.

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