

Senate Bill 1 (SB1) - The Roadway Repair and Accountability Act





OBJECTIVE: Bring together transportation stakeholders to provide information on the various programs and infrastructure work made possible by the passage of SB1. Engage in breakout and networking sessions to coordinate stakeholder efforts necessary for successful implementation of SB1

EXPECTED OUTCOME: Better understanding and collaboration on the key challenges facing project delivery including demand upon limited resources.





Today's Program

- SB-1 Overview
- Local and Regional Agency Coordination
- Regional Workload
- Resource Agency Coordination
- Encroachment and Transportation Permits Coordination
- Utility Coordination
- Contractor and Materials Availability
- Small Business
- Breakout Sessions & Recap







- 1. Local, Regional and Resource Agency Coordination (Auditorium)
- 2. Small Business, Contractors, Labor, Equipment and Materials Availability (Cafeteria)





SB-1: Road Repair & Accountability Act of 2017



- SB1 invests \$5.2 billion annually over the next decade to fix California's transportation system does not sunset
- Local Roads \$26 Billion & State Highway System \$26 Billion
- Co-authored by Senator Jim Beall and Assembly member Jim Frazier, approved 4-6-17
- April 28, 2017 Signed by Governor Brown





Caltran

Galtrans

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SB 1's investment in transportation is split equally between the state and cities and counties.



\$26 Billion for Cities and Counties



\$26 Billion for State Highway System



10 Year SB1 Investment in Transportation



REBUILDING CALIFORN

\$15 BILLION

"Fix-it-First" highway repairs, including smoother pavement, pothole filling and new lane markings statewide, results in 17,000 miles of additional pavement fixed.



\$3 BILLION

Improve trade corridors including routes in and out of California's ports, results in a stronger economy.





Other investments, including \$275 million for interregional highway and intercity rail improvements.

Approximately \$26 Billion Over the Next Decade



\$4 BILLION

Bridge and culvert repairs to ensure proper drainage under highways and bridges, results in 500 bridges and 55,000 culverts and drains fixed



\$2.5 BILLION

Reduce congestion through comprehensive multi-modal approaches that offer travel choices, results in less time stuck in traffic.

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Annual SB1 Program Distribution

- \$1.5 Billion for State Highway System
- \$400 Million for State Bridges and Culverts
- \$1.5 Billion for Local Streets and Roads
- \$300 Million for Trade Corridor Enhancement
- \$250 Million for Solutions for Congested Corridors
- \$200 Million for Local Partnership Program
- \$100 Million for Active Transportation
- \$750 Million for Transit and Rail
- \$25 Million for Local Planning Grants





By 2027 Caltrans Will Repair Or Replace

Miles of Pavement
Culverts and Drains
Signals, Signs, and Sensors
Bridges

SB 1 Performance Objectives

98% of Pavement in Good or Fair Condition
90% Level of Service for Maintenance
90% of Culverts in Good or Fair Condition
90% TMS in Good or Fair Condition







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Local and Regional Agency Coordination

Speaker: Jean Finney, Deputy District Director, District 4 Division of Transportation Planning & Local Assistance







State Highway Programs

\$1.5 billion for Maintenance and Rehabilitation of the State Highway System\$400 million for Maintaining and Repairing the State's Bridges and Culverts

Key program dates:

- Project List due to CTC: January 2018 Caltrans submits Proposed SHOPP to CTC
- CTC Adopts SHOPP : March 21-22, 2018 After Holding North/South Hearings







Local Streets & Roads

\$1.5 Billion for road maintenance, rehabilitation and critical safety projects and "Complete Streets"

- Eligible Recipients: Cities and Counties Formula based
- Eligible Projects: Road Maintenance and Rehabilitation; Safety Projects; Railroad Grade Separations; Traffic Control Devices; Complete Streets
- Matching Requirement: No Match Required
- Key Program Dates:
 - CTC Adopts List of Cities/Counties: December 6-7, 2017
 - Controller 17/18 Apportionments: Beginning Mid January 2018





Solutions for Congested Corridors (SCC)

\$250 million per year for congestion relief projects in comprehensive corridor plans

- Eligible Applicants: MPO/RTPA and Caltrans
- Eligible Projects Include: Transit/Rail Infrastructure & Rolling Stock, Hwy Managed lanes & Operational Improvements, Safety Improvements, Innovative Technology (Construction Phase Only)
- Matching Requirement: No Match Required, but "Leveraging" is desirable
- Key program dates:
 - CTC Adopts Guidelines: December 6-7, 2017
 - Application due to CTC: February 16, 2018
 - Program Adoption: May 16-17, 2018







Trade Corridors Enhancement Program (TCEP)

\$300 million per year to be added to federal National Highway Freight Program Funds

- **Programming Targets**: 60% Regions/40% Caltrans (Caltrans = \$536 M; Bay Area/Central Valley = \$217M)
- Eligible Applicants: Cities, Counties, MPO/RTPA, Ports, and Caltrans
- Eligible Projects: Hwy & Freight Rail System Improvements, Truck Emissions, ITS
- Matching Requirement: 30% match for regional share
- Key program dates:
 - Bay Area Nominations due to MTC: December 15, 2017
 - MTC Commission concurrence of nominations: January 24, 2018
 - 2018 TCEP Applications due to CTC: January 30, 2018
 - 2018 TCEP Program adoption: May 16-17, 2018







Local Partnership Program (LPP)

\$200 million per year (50% Formula & 50% Competitive)

- Eligible Applicants: Local agencies with voter approved taxes, tolls or fees for transportation improvements
- Eligible Projects: Bicycle/Ped Safety Improvements, Transit Facilities & Rolling Stock, Road Maintenance/ Rehab, New Construction, Safety & Ops Improvements, Sound walls, and Mitigation
- Matching Requirement: A 1:1 match is required
- Key program dates:
 - Applications due for the formula program: December 15, 2017
 - Formula program adoption: January 31, 2018
 - Applications due for the competitive program: January 30, 2018
 - Competitive program adoption: May 16, 2018





Active Transportation Program (ATP)

\$100 million for Bike and Pedestrian Projects

- Eligible Applicants: Local, Regional or State Agencies; Caltrans; Transit Agencies; Natural Resources or Public Land Agencies; Public Schools; Tribal Governments; and Private/Non Profit
- Eligible Projects: Bikeway, Walkways, Safety (Traffic Control, Lighting), SR2S/SR2T, Bike Parking & Carrying Facilities on Transit, Bike Share, Recreational Trails, and Landscaping.
- Matching Requirement: No Match Required, CTC encourages "Leveraging".
- Key program dates:
 - CTC Adopts 2019 Guidelines: March 2018
 - Applications due: June 8, 2018
 - Program adoption: December 5/6, 2018 Statewide & Urban/Small Rural Components
 March 2019 MPO Components





Transit Capital and Operations

\$300 Million Per Year for Transit & Intercity Rail Capital Program (TIRCP)

- Eligible Applicants: Public agencies that operate rail, bus or ferry transit service
- Eligible Projects: Rail capital projects, rolling stock, and facilities; Bus and ferry transit
- No Match Required: CTC encourages "Leveraging"
- Key Program Dates:
 - Applications due to Caltrans: January 12, 2018
 - Grant Recipients Announced by: April 30, 2018

\$355 Million Per Year for State Transit Assistance Program - Formula Based

\$44 Million Per Year for Intercity & Commuter Rail - Formula Based



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Local & Regional Planning Grants

Sustainable Communities Grants (Multimodal Transportation & Land Use Planning)

\$25 Million per year

- \$12.38 Million Competitive Grants (MPOs with sub-applicants, RTPAs, Transit Agencies, Cities and Counties, and Native American Tribal Governments); \$1 Million maximum
- \$12.5 Million Formula Grants (MPOs, only)

Adaptation Planning Grants (Planning Actions to Advance Climate Change Adaptation Efforts)

\$20 Million over three years

- \$7 Million in FY 2017-18, \$7 million in FY 2018-19, and \$6 million in FY 2019-20
- \$100,000 minimum; \$1 million max





Local & Regional Planning Grants

Fiscal Year 2018-19 Planning Grant Schedule

- January 2, 2018 Release Grant Guides and call for applications
- February 23, 2018 Grant applications due
- May **2018** Release grant announcements
- February 28, **2021** All grant tasks must be completed
- April 30, **2021** All final invoices must be submitted

Visits the Grant Program website <u>www.dot.ca.gov/hq/tpp/grants.html</u>





Regional Workload

Speaker: Doanh Nguyen, Deputy District Director, District 4 Division of Program/Project Management







SB1 and Regional Workload on State Highway System

- State Highway Operation and Protection Program (SHOPP)
- SB1 Accelerated Funding and Delivery
- SHOPP 10-Year Plan
- 2018 SHOPP
- SB1 Congested and Trade Corridors Competitive Programs





SB1 and State Highway Operation & Protection Program (SHOPP)

- Asset management and fix-it-first priority
- Protect, preserve and rehabilitate State Highway System infrastructures
- Respond to emergency, safety or mandated needs
- Pre-SB1: Average \$300 million per year for Bay Area
- SB1 doubles the investment





SB1 Accelerated Projects in District 4

- Accelerate funding & delivery of projects
- Funded 22 SHOPP projects about \$588 million (between June and October)
- Deliver and advertise 5 projects about \$61M in Summer 2018





SB1 Accelerated \$588 million Funding & 22 SHOPP Projects in District 4

	rojects Accelerated t CTC Meetings	22 SHOPP P	rojects Accelerated
June CTC	August CTC	Bridge	Mobility
2 Projects	2 Projects	8 Projects	6 Projects
\$35 million	\$41 million	\$213 million	\$164 Million
July CTC	October CTC	Pavement	Drainage
3 Projects	15 Projects	5 Projects	3 Projects
\$187 million	\$325 million	\$187 million	\$24 million





Accelerated Funding

3 New I-80 Freight Corridor Improvement Projects - \$143 million for FY 2019/2020

EA	County	Route	Nickname	Construction Capital (1,000s)
04-2K830	ALA	80	Increase Vertical Clearance	27,687
04-2K840	SOL	80	Sol-80/29 Separation	11,937
04-4K810	ALA	80	MacArthur Maze/Increase Vertical Clearance	105,489



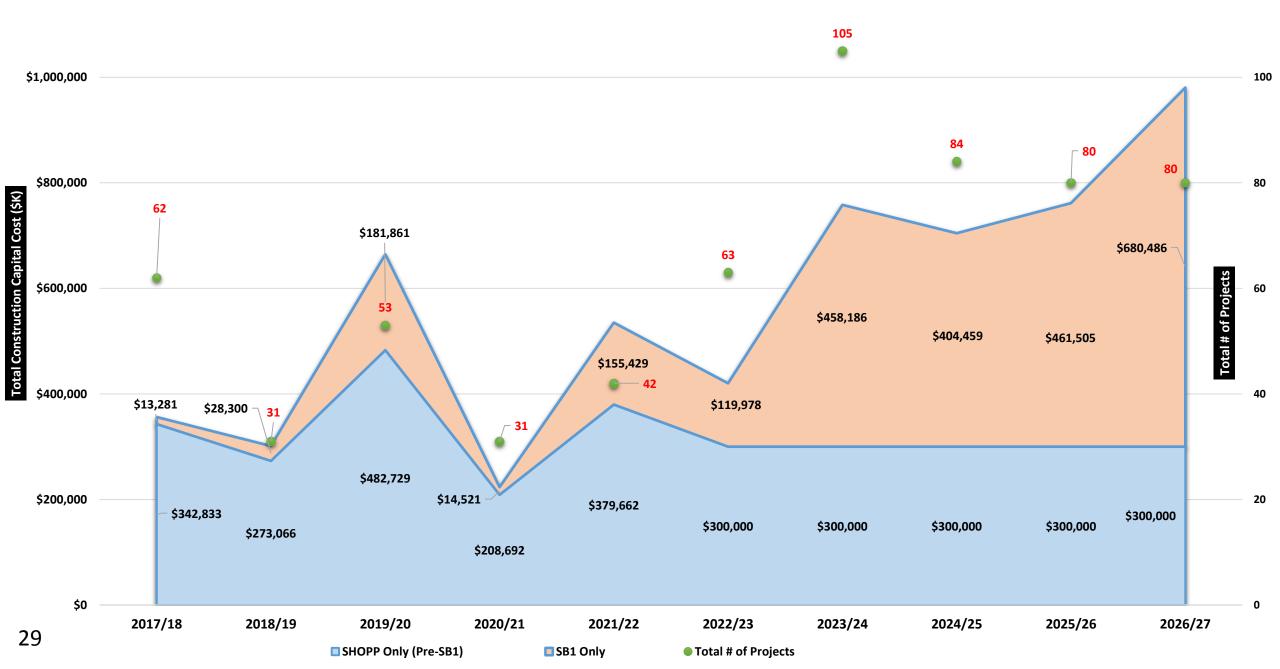


Accelerated Delivery of 5 Projects about \$61 million in Summer 2018

EA	County	Route	Project Description	Construction Capital (1,000s)
04-15148	ALA	880/84	Widen ramps and install ramp metering.	\$ 13,281
04-4J281	SCL	82	San Jose, from McKendrie Street to Lawrence expressway.	\$ 9,120
04-4G113	ALA	680	Install ramp meters, ramp HOV bypass lanes, and traffic operations systems (TOS).	\$ 28,300
04-15161	MRN	101	Install ramp metering and traffic operations system (TOS) elements.	\$ 9,700
04-0G221	ALA/CC	VAR	In Alameda and Contra Costa Counties at various locations. Construct curb ramps and passageways.	\$ 700



District 4 - 10-Year SHOPP Investment





District 4 - 10-Year SHOPP Investment

FY	Total Number of Projects	Construction Capital Cost (million)
2017/18	61	356
2018/19	28	301
2019/20	50	665
2020/21	29	223
2021/22	42	535
2022/23	63	420
2023/24	105	758
2024/25	84	704
2025/26	80	762
2026/27	80	980
Total	622	\$5,701

D-4 SHOPP 10-Year Plan					
County	Number of Projects	Construction Capital Cost (million)			
ALA	141	1,493			
СС	47	408			
MRN	45	437			
NAP	49	269			
SCL	94	975			
SF	30	404			
SM	75	480			
SOL	56	480			
SON	85	755			
Total	622	\$5,701			

D-4 SHOPP 10-Year Plan				
Assets	Number of Projects	Construction Capital Cost (million)		
Bridge	68	322		
Pavement	137	2,503		
Drainage	53	145		
TMS	107	1,357		
Others	257	1,374		
Total	622	\$5,701		





District 4 - Draft 2018 SHOPP

D-4 2018 SHOPP Summary					
County	Number of Projects	Construction Capital Cost (million)			
ALA	46	547			
СС	10	163			
MRN	10	51			
NAP	11	52			
SCL	25	284			
SF	9	191			
SM	15	125			
SOL	7	129			
SON	16	178			
Total	149	\$1,720			

D-4 Draft	D-4 Draft 2018 SHOPP Summary					
Assets	Number of Projects	Construction Capital Cost (million)				
Bridge	28	147				
Drainage	4	29				
Pavement	23	668				
TMS	8	101				
Others	86	774				
Total	149	\$1,720				



REBUILDING CALIFORNIT

SB1 PARTNERSHIP FORUM - REBUILDING CALIFORNIA CALTRANS DISTRICT 4

District 4 - Candidates for SB1 Congested & Trade Corridors Programs

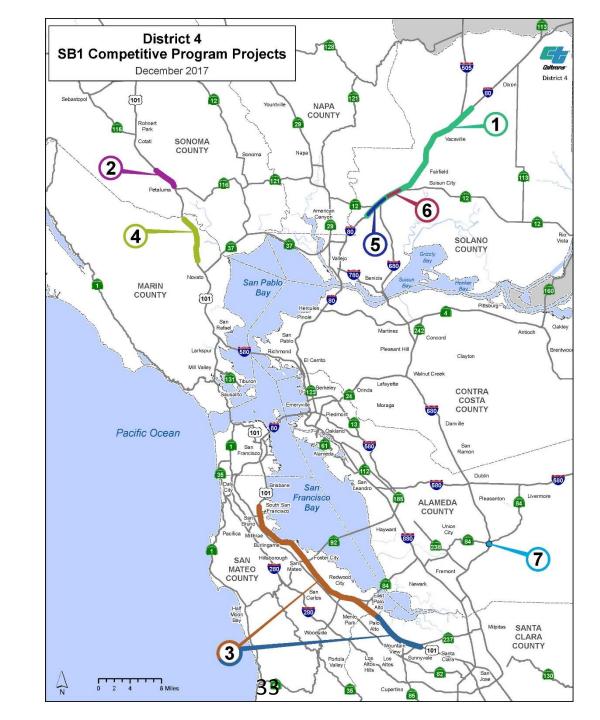
	County	Route	Mq	Project Name	Project Description		Construction Capital (\$1000)
1	SOL	80	R10.4 / 30.2	Sol 80 Express Lanes	Construct new express lanes and convert existing HOV lanes to express lanes from Red Top Road to Air Base Parkway	17/18	\$131,000
2	SON	101	4.0 / 7.1	Marin Sonoma Narrows HOV	Add 1 HOV lane in each direction from the SR 116 interchange to north of Corona Road	18/19	\$75,900
3	SM SCL	101 101	0.000 / 21.8 45.7 / 52.6	SM/SCL 101 Managed Lane Project	an Mateo & Santa Clara Counties: Managed lanes from near SR 237 to north of I-380.		\$416,000 \$47,100
4	MRN	101	20.9 / 27.0	Marin Sonoma Narrows HOV	Construct HOV lane: northbound from 1.8 mile north of Atherton Avenue to 0.6 mile south of the Marin/Sonoma County line and southbound from 0.6 mile south of the Marin/Sonoma County line to the Franklin Avenue Overhead		\$78,800
5	SOL	80	10.6 / 13.5	80/680/12 ICP	Packages 2A, 2B and 3: provide new connector from eastbound SR-12 to eastbound I-80, new connector from westbound I-80 to southbound I-680 and improve connections to the Red Top Road interchange.		\$95,000 \$85,000
6	SOL	80	14 / 15.7	I-80 WB Cordelia Truck Scales Relocation Project	Replace existing truck scales on WB I-80 at Cordelia with new facility at 0.7 miles east of existing location, and add new braided off-ramp connection, new entrance ramp connection to WB I-80 and direct access from westbound SR-12.		\$115,500
7	ALA	680/ 84	10.3/15.3 17.9/22.9	680/84 I/C Improvement & Expressed Lane Extension	Make operational improvements to SR84/I-680 interchange and extend southbound express lane about two miles to the north.	20/21	\$145,640
							\$1,189,940





District 4 - Candidates for SB1 Congested & Trade Corridors Programs

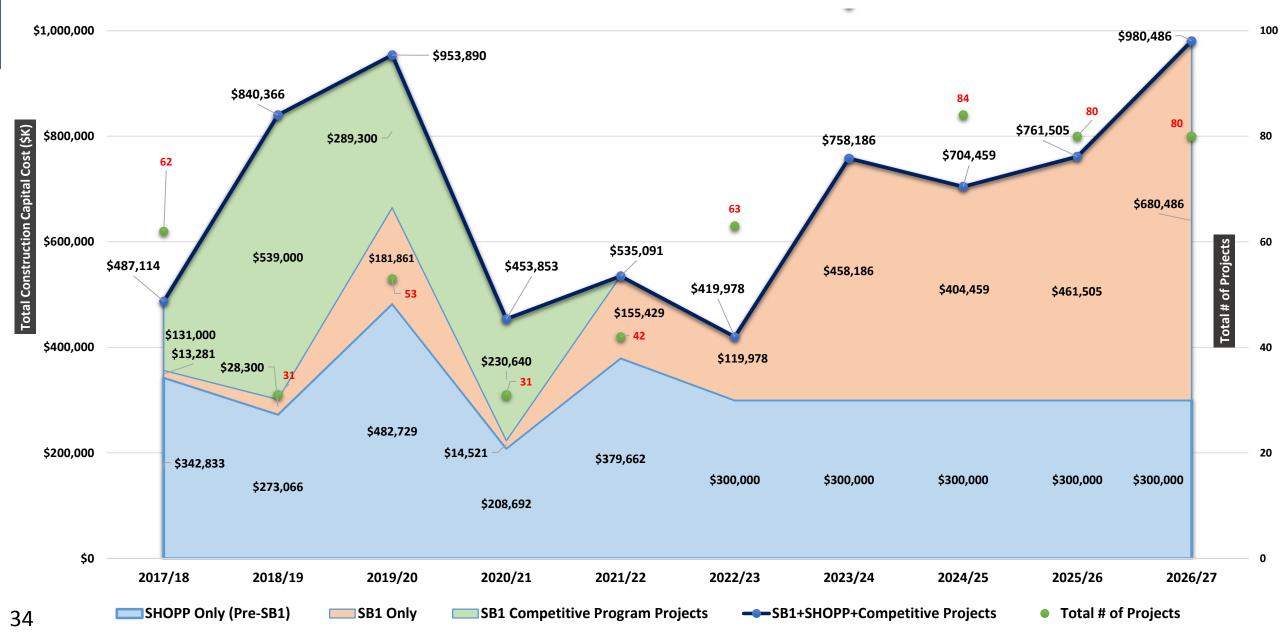
	County	Route	PM	Project Name
1	SOL	80	R10.4/30.2	Sol 80 Express Lanes
2	SON	101	4.0/7.1	Marin Sonoma Narrows HOV
3	SM/SCL	101 101	0.000/ 21.8 45.7 / 52.6	SM/SCL 101 Managed Lane
4	MRN	101	20.9 / 27.0	Marin Sonoma Narrows HOV
5	SOL	80	10.6 / 13.5	80/680/12 ICP
6	SOL	80	14 / 15.7	I-80 WB Cordelia Truck Scales Relocation Project
7	ALA	680/84	10.3/15.3 17.9/22.9	680/84 I/C Improvement & Expressed Lane Extension



\$1,200,000

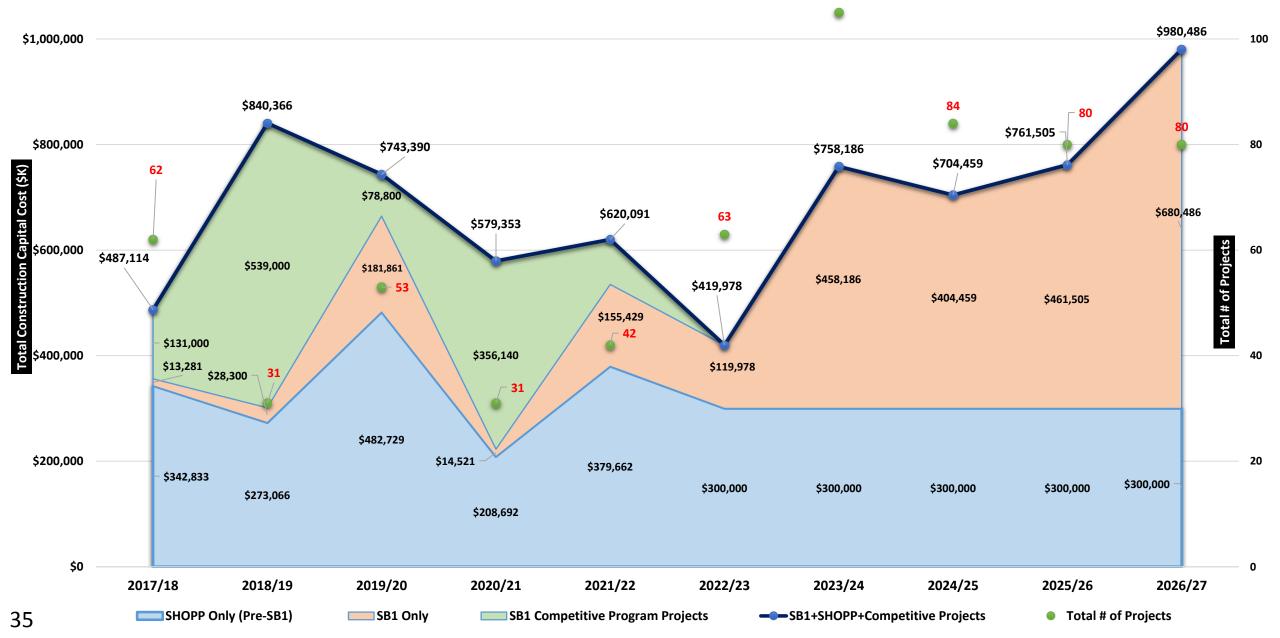
District 4 - 10-year SHOPP Investment

And Potential Congested/Trade Corridors Competitive Programs (1st Cycle)



District 4 - 10-year SHOPP Investment

And Potential Congested/Trade Corridors Competitive Programs (1st & 2nd Cycles)



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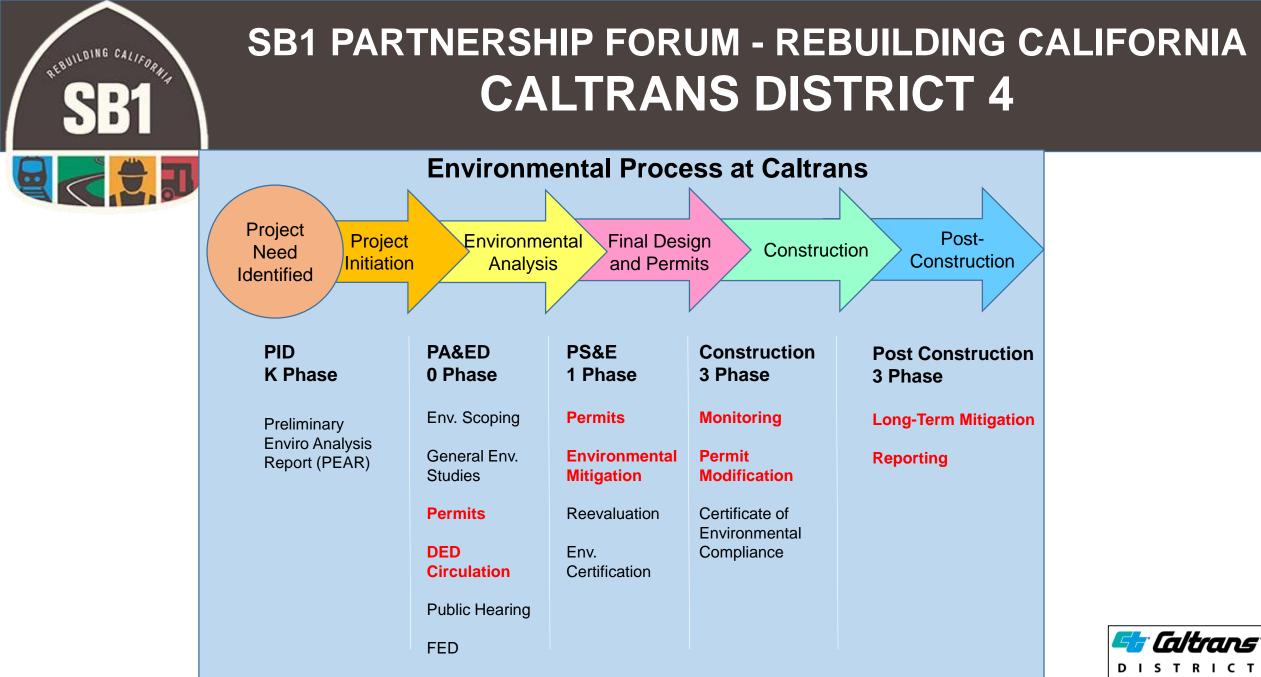


Resource Agency Coordination

Speaker: Melanie Brent, Deputy District Director, District 4 Division of Environmental Planning and Engineering







- SHPO
- CSO

REBUILDING CALIFORN

- OHP
- Native American Tribes
- Historical Societies
- Local Agencies

- FHWA
- BAAQMD
- Air, Noise
- Hazardous Waste



- USFWS
- CDFW
- Army Corps of Engineers
- National Marine Fisheries
- BCDC

 San Francisco and North Bay Water Boards





Cultural Resources



National Park Service -State Historic Preservation Officer (SHPO)



Advisory Council on Historic Preservation (ACHP)



California State Parks -Office of Historic Preservation



California Native American Heritage Commission

Environmental Engineering:

Biology/Permits

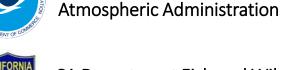


U.S. Army Corp of Engineers



U.S. Fish and Wildlife Service





CA Department Fish and Wildlife

Environ. Analysis



CA Coastal Commission



SF Bay Conservation and **Development Commission**



U.S. Environmental Protection Agency

Water Quality



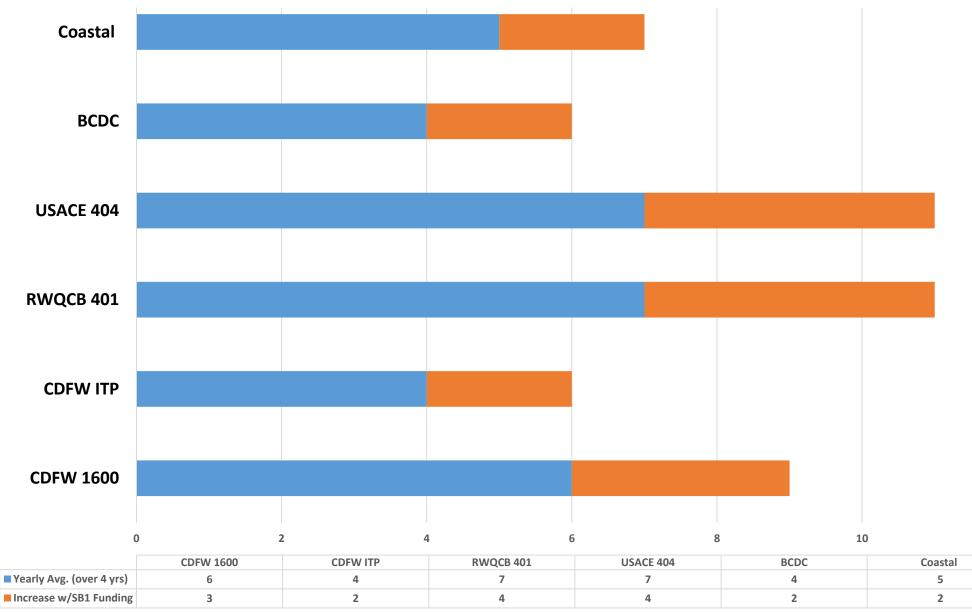
Regional Water Quality Control Boards



Federal Highway Administration, Bay Area Air Quality Mgmt. District



Anticipated Regulatory Permits Workload Increase



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Improve on Existing Partnering Efforts

- Maintain NEPA Assignment
- Use Programmatic Categorical Exemptions/Exclusions
- Use Programmatic Biological Opinion NMFS
- Use Programmatic Agreement (PA) SHPO
- Fund liaison position(s) at Regulatory Agencies
- Hold monthly project priority meetings w/Regulatory Agencies
- Use standardized document templates





Other Opportunities to Address Increased Workload

- Increase the number of funded agency liaisons
- Improve GIS Mapping for environmental technical studies
- Develop new Programmatic BO with US Fish and Wildlife Service
- New Regional General Permit for Maint. projects with US Army Corps
- Utilize Water Board waiver process
- Expand on early Agency coordination
- Increase Advanced Mitigation and In-Lieu Fee opportunities





Encroachment and Transportation Permits Coordination

Speaker: Sean Nozzari, Deputy District Director, District 4 Division of Traffic Operations







Roadway Reconstruction





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Pedestrian Facilities



Installation, Maintenance and/or Relocation of Utilities



Traffic Control

Examples of Encroachments

http://www.dot.ca.gov/trafficops/ep/







Width (> 8'-6")



Height (> 14')



Length (>75')

Weight (> 60,000 Lbs.)

All extra-legal dimensions

Examples of Transportation Permits

http://www.dot.ca.gov/trafficops/permits/ 45





Challenges Related to Increased Workload From SB1

- Increase in local agency funding, resulting in increased number of local agency permits.
- Increased 25% to 35% workload, resulting in increased review time of permits.
- New types of encroachment permit requests and processing (e.g. active transportation).
- Increased number of lane closure requests, requiring additional conflict resolution among competing work as well as coordination of local and freeway detours.
- Increased construction on roadways, resulting in temporarily reduced vertical and lateral clearances, can also impact the routing for transportation permits.



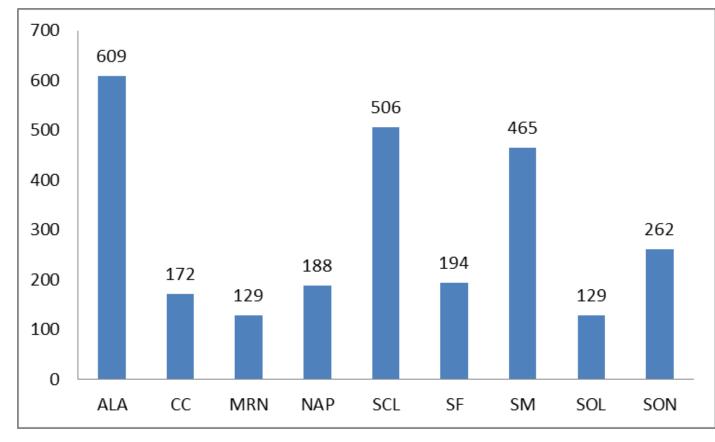


Solutions to Challenges

- Develop creative processes to reduce redundancy in reviews of similar encroachment permit requests.
- Additional staffing for functional review of encroachment permits (e.g. Traffic Management, Traffic Safety. Utilities, Electrical Design, Hydraulics, Environmental).
- Create a streamlined oversight permit process for quicker approval of encroachment permits.
- Move toward an e-permit process to eliminate courier and delivery time.
- Ensure Transportation Permits route clearing database is updated with the most current roadway restrictions information due to construction.
- Seek customer input and suggestions from stakeholders.







Notes:

•	Annual Applications:	≈2,650
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- Mandated Response or Issuance Time: 60 days
- Avg. Issuance time: 26 days
- Percent Issued in 30 Days: 72%



BEBUILDING CALIFORNIA SB1

SB1 PARTNERSHIP FORUM - REBUILDING CALIFORNIA CALTRANS DISTRICT 4

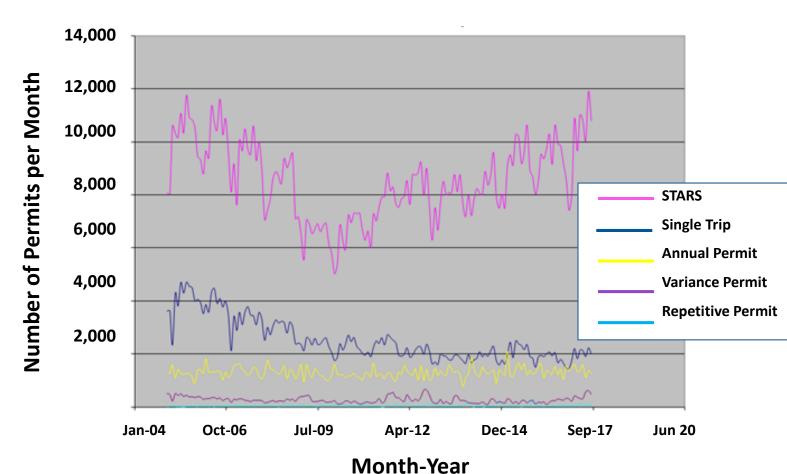
Top 10 Ways to Avoid Delays for Encroachment Permits

- 1. Address Caltrans IGR/CEQA comments: Cultural resources & environmental concerns; traffic mitigation, etc.
- 2. Use appropriate project development process (Coop Agreement, streamlined oversight, or encroachment permit).
- 3. Quality PS&E: Proper format/symbols/legends; right-of-way lines; vertical alignment; X-sections; grading plan; hydraulic calculations; conflicts w/ existing facilities; Electrical, Signing/Striping/Markings Plans; Trenching/shoring plans; traffic management plans, lane closure charts; etc.
- 4. Document Non-conforming Features & Design Decisions.
- 5. Include Utility Policy Certification.
- 6. Include ADA features.
- 7. Include SWPPP or WPCP.
- 8. Complete Right-of-Way Dedication (sufficiency form, encumbrances, etc.).
- 9. Perform Own Quality Control & Assurance.
- 10. Early & Often Communication.





Transportation Permits



Notes:

- 12,000 to 15,000 permits per month
- Average issuance time:
 - \circ 2-6 hours for single trip
 - 7 days for annual
- Anticipate 25% to 35% increase in workload
- To avoid delays:
 - Consider using permit Service companies
 - Anticipate permits needed from local jurisdictions





Utility Coordination

Speaker: Mark L. Weaver, Deputy District Director, District 4 Division of Right of Way







Utility Coordination

- SB1 will enable Caltrans to deliver much needed transportation infrastructure projects
- Even pavement or shoulder-widening projects can impact utility owners
- Other projects, including drainage, retaining walls, and roadway widening, can require major adjustments to utility facilities
- Caltrans is **committed** to completing these projects **on time and within budget**







Utility Coordination

- Early and continued coordination between Caltrans and Utility Owners
- Timely responses to requests for utility mapping (plat maps/delineations)
- Clear conflict identification and cooperative resolution
- Timely submittal of relocation plans, liability claims, cost estimates, and relocation schedules from Utility Owners
- Best practices for avoiding or relocating utility facilities







Contractor and Materials Availability

Speaker: Bob Finney, Deputy District Director, District 4 Division of Construction







Type of Projects

Pavement Rehabilitation Bridges and Culverts Operational and Safety Improvements Barrier/Guard Rail Striping Upgrades Pedestrian and Bicycle Access Traffic Operation System Enhancements HOV and Express Lanes









- Partnering
- Timely payment
- Provide look ahead information prior to advertisement











- Recruitment and retention trades and professionals
- Limited material availability
 - Aggregate supply
 - Use more recycled and in-place materials
- Limited trucking availability
- Limited DBE/SBE/DVBE availability













Small Business

Speaker: Ayanna Nobles, Branch Chief, District 4 Small Business Liaison







Senate Bill 1

 By January 2020, Caltrans is required to develop a plan to increase the dollar value of contracts and procurements awarded to Small Businesses, Disadvantaged Business Enterprise, and Disables Veteran Business Enterprise by up to 100%

Senate Bill 103

- Requires Caltrans to develop a detailed outreach plan intended to increase procurement opportunities for Small Businesses
- Requires Caltrans to achieve a minimum of 25% Small Business participation in State-funded contracts and procurement





How Can Small Business Participate?

- Get Certified
- Participate on the Small Business Council
 - Attend Mandatory Pre-Bid's
 - Attend Workshops
 - Attend the Caltrans Procurement Fair





Challenges

- The availability of certified SBE's DVBE's and DBE's that are able to Bid on projects are in short supply
- The SBE/DVBE certification system has had some issues since the implementation of Cal e-procure
- DBE certification process is complex and timely





Partnership Opportunities for Small Business Outreach

- Hold Joint Small Business Events and Workshops
- Small Business Development Center
- NorCal Professional Technical Assistance Center
- Mandela Training Center Workforce Development





Small Business Outreach

- Certification Workshops
- Prime and Subcontractor Training
 - Procurement Fair
 - Calmentor Program
- D4 Prime DBE Cooperative Workshop
- Mandatory/Non Mandatory Pre Bid and Pre Proposal Meetings
- Increase Social Media Marketing to Publicize workshops, Outreach and Program Updates
 - How to do Business with Caltrans Events
 - Meet the Primes Events
 - <u>http://www.dot.ca.gov/dist4/smallbusiness/</u>





Breakout Sessions

1. Local, Regional and Resource Agency Coordination (Auditorium)

2. Small Business, Contractors, Labor, Equipment and Materials Availability (Cafeteria)

SB1 = Challenges and Opportunity How can we work better together?



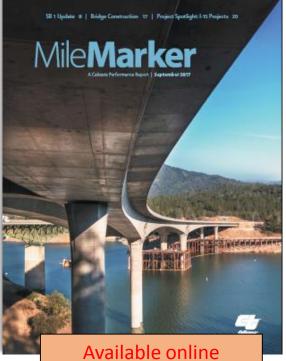




Caltrans

SB1 PARTNERSHIP FORUM - REBUILDING CALIFORNIA CALTRANS DISTRICT 4

Re-Cap and Future Forums



Available online http://www.dot.ca.gov/milemarker **Contact Information:**

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Caltrans Office Engineer & Advertisements: http://www.dot.ca.gov/des/oe/

