

## Memorandum      Tab 65

To: CHAIR AND COMMISSIONERS  
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: March 21-22, 2018

Reference No.: 4.11b. – **REPLACEMENT ITEM**  
Information Item

From: NORMA ORTEGA  
Chief Financial Officer

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Subject: **OVERVIEW AND UPDATE ON THE 2018 STATE HIGHWAY OPERATION AND PROTECTION PROGRAM (SHOPP)**

### **ISSUE:**

The California Department of Transportation (Department) presented the proposed 2018 State Highway Operation and Protection Program (SHOPP) at the California Transportation Commission's (Commission) January/February 2018 meeting. In accordance with the statutory deadline of January 31, 2018, the Department submitted the proposed 2018 SHOPP to Commission staff for review and comment and as well as posted the Draft 2018 SHOPP to the internet for public review and comment.

On February 28, 2018, the Northern Hearing on the 2018 SHOPP was held in Sacramento. Comments received from both Commission staff and the public have been reviewed and considered by the Department and have been include in the attached document. (It should be noted that any subsequent comments received between the February 28 hearing and the March 21-22 Commission meeting, will be made available to the Commission and its staff at the meeting as a supplementary handout to this book item.)

The Department is now ready to present the final 2018 SHOPP to the Commission for adoption, in accordance with Government Code Section 14526.5, as modified by Senate Bill 486, which requires the Commission to adopt and submit the SHOPP to the Legislature and the Governor, no later than April 1 in even-numbered years.

### **BACKGROUND:**

The Department's proposed 2018 SHOPP was prepared in accordance with Government Code Section 14526.5, Streets and Highways Code Section 164.6, and the strategies outlined in the Department's Policy for Management of the SHOPP and is consistent with the State Transportation Asset Management Plan (TAMP)

The 2018 SHOPP is a four-year program (from Fiscal Years 2018-19 through 2021-2022) which includes projects for safety, major damage restoration, legal mandates, bridge preservation, roadway preservation, roadside preservation, mobility, and highway-related facilities. The 2018 SHOPP utilizes \$17.96 billion for capital outlay and capital outlay support over the four-year period. This funding level is consistent with the adopted 2018 State Transportation Improvement Program (STIP) Fund Estimate.

Attachments:

- Caltrans Response to Commission Comments (*Attachment 1*)
- Recommended Scope, Schedule and Cost Changes to the Proposed 2018 SHOPP Document (*Attachment 2a*)
- Recommended Milestone Changes to the Proposed 2018 SHOPP Document (*Attachment 2b*)
- Response to Public Comments from Northern SHOPP Hearing – February 28, 2018 (*Attachment 3*)

Caltrans Responses to the Commissions Comments  
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Existing law requires the California Department of Transportation (Caltrans) to prepare and transmit to the California Transportation Commission (Commission), by January 31 of each even year, a four-year State Highway Operation and Protection Program (SHOPP).

The following are the comments received by Caltrans from the Commission on the Proposed 2018 SHOPP. Based on the Commission's adopted Interim SHOPP Guidelines, the conditionally approved TAMP, and the adopted 2018 Fund Estimate, Caltrans has prepared the following responses:

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*Comment 1:* *Identify the proposed funding source (State Highway Account, Road Maintenance and Rehabilitation Account, Emergency Relief, or other) for each project.*

Caltrans Response: Caltrans staff are currently developing rules for project funding to apply to the 2018 SHOPP program of projects. Funding breakdowns will be available prior to the end of the 2017-2018 Fiscal Year.

Road Maintenance and Rehabilitation Account funding will be targeted toward the Commission adopted four primary asset classes with priority given to projects that help meet the targets identified in Senate Bill 1.

*Comment 2:* *Identify any project proposed for state-only (non-federal) funding.*

Caltrans Response: State-only funding is based on the Department's Federal Aid Funding Guidelines. Projects with construction costs under \$1 million are state-only funded and do not need to maintain federal eligibility. Also, specialty facilities, office buildings and minor projects are state funded.

*Comment 3:* *Identify the State legislative and Congressional district(s) where each project is located.*

Caltrans Response: The Department is confirming the State legislative and Congressional district(s) of each project to ensure accuracy and anticipates having the data validated for the 2018 SHOPP projects available and posted on the Internet prior to the end of the 2017-2018 Fiscal Year.

*Comment 4:* *Identify, quantify and describe the aggregate change in performance for each of the four primary asset classes (pavements, bridges, culverts, and intelligent transportation system elements) expected from the proposed program.*

Caltrans Response: The Department has provided to the Commission the proposed asset class performance benchmarks, the details of which can be found in a concurrent book item also being presented at this month's Commission meeting under Reference No. 4.9.

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Comment 5: *Review and confirm the value of the proposed annual Minor program reservation.*

Caltrans Response: The annual Minor program reservation is \$150,000,000 per year or \$600,000,000 for the 2018 SHOPP covering Fiscal Years 2018-19 through 2021-22.

Comment 6: *Define and describe the general scope of work and range of service life anticipated for pavement projects described as Pavement Rehabilitation (CAPM), Roadway Rehabilitation (2R) and Roadway Rehabilitation (3R).*

Caltrans Response: A Capital Preventative Maintenance (CAPM) project has a short-term (5 to less than 20 years) repair strategy, with most projects falling between a 5 to 10 year service life. The primary purpose of the CAPM program is provide a short term ride improvement and preservation of serviceability to postpone the need for major roadway rehabilitation. Roadway Rehabilitation projects are broken up into two subcategories, a Roadway and Restoration (2R) or a Roadway, Restoration, and Rehabilitation (3R) project. The purpose for 2R and 3R is to restore the facility to a state of good repair so that the roadway will be in a condition that only requires minimal maintenance expenditures by the Department and have a design life of 20 or 40 years. A Life-Cycle Cost Analysis will determine the value of choosing a 20-year or 40-year service life. A rehabilitation project is identified with the use of projected pavement deterioration software and the consideration of current pavement conditions. After determining a rehabilitation project is valid, a safety screening is conducted to establish whether the project should proceed as either a 2R or 3R. Projects designated as 2R, are to be programmed as “pavement-focused” projects, with their primary goal being to extend the service life of the identified pavement structure; while 3R projects, in addition to extending the service life of the pavement structure, also replace and upgrade other highway appurtenances and facilities within the project limits that are failing, worn out or functionally obsolete.

Comment 7: *Consistent with the Commission approved Project Study Report Guidelines under Resolution G-99-33 and Section 29 of the Interim SHOPP Guidelines, confirm that each new project has an approved project study report that defines and justifies the purpose and need, scope of work, estimated cost, anticipated schedule, and expected benefits including performance measures, goals and benefits.*

Caltrans Response: Each new project proposed for the 2018 SHOPP has an approved project study report that addresses the items that defines and justifies the purpose and need, scope of work, estimated cost, anticipated schedule, and expected benefits including performance measures.

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Comment 8: *As required in Government Code Section 14526.5 (d), provide the performance metric(s) for each project for the four asset classes; pavements, bridges, culverts, and intelligent transportation system elements per the performance measures and measurement units as recommended by Caltrans and approved by the Commission at its March 26, 2015 meeting.*

Caltrans Response: The Department is committed to providing the performance metrics as part of the 2020 SHOPP. We will continue to move towards that goal as we make the transition to full asset management. The Department will present the approved performance metrics on all new amendments and allocations beginning in Fiscal Year 2018-19.

Comment 9: *Identify for each long lead project in the proposed program, the critical task, activity, complexity, risk, or condition that causes the project to require more than four years to deliver.*

Caltrans Response: The following is a list of the critical tasks associated with the Long Lead projects:

EA	Explanation
01-0F280	Due to the complexity of the project, \$10.0 million is assigned to gather data (geotechnical and preliminary environmental work) that will identify risk and assist in project development.
01-0F600	Complexity of environmental studies and lengthy coordination with environmental agencies is anticipated.
01-0F350	Complexity of alternatives and presence of cultural resources, additional design changes and mitigations require extensive environmental consultations and clearances.
01-0A111	Complexity and duration of environmental consultation and permitting due to endangered species.
01-0A130	Lengthy railroad coordination, environmental and geotechnical challenges.
02-3H310	Complex environmental studies due to impacts to 70 known cultural resources, biological sites and consultation with over 20 resource agencies.
02-1H780	Complexity and duration of environmental studies, and consultation with numerous agencies.
02-1H590	Complexity and duration of environmental studies, and consultation with numerous agencies.
02-1H360	Environmental approval requires 36 months due to Section 7 formal consultation with NOAA.
03-1H610	Schedule risk due to railroad coordination, land acquisitions, hazardous material, public input, and environmental permitting.
03-4F650	Lengthy railroad coordination, potential utility conflicts. Removal of oleander could result in negative public reaction and could impact classified landscape freeway status.

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EA	Explanation
04-1G900	Complex environmental studies due to presence of historic resource (Tree Rows), and public opposition to potential tree removal.
04-0K810	Presence of historic trees, potential to disturb nesting birds, public opposition to tree removal, complexity and duration of environmental studies.
04-2K150	Complexity and duration of environmental and right of way issues due to fish passage permitting and potential condemnation.
05-1F510	Potential R/W concerns relating to a State Park and complexity and duration of environmental studies.
05-1H800	Due to the complexity and duration of environmental studies, including a Coastal Development Permit.
05-0P300	Environmental Permits may require more than standard storm water treatment BMPs. This would affect cost, project foot print, possible R/W needs, and additional area for environmental review.
05-1H440	Complexity and duration of environmental studies.
05-1H610	Complex environmental studies will be required due to endangered species existing within project limits.
05-1C950	Complexity and duration of environmental studies.
6-0V610	Project involves 70 affected parcels. Permits may be delayed if property owners are unresponsive.
08-0R380	Complexity of environmental and geotechnical investigations. Extensive coordination required with Arizona resource agencies.
09-36680	Potential R/W acquisition difficulties may delay schedule and increase cost.
09-36940	Inadequate suitable area for environmental mitigation plant reestablishment.
09-36800	Potential requirement of 404 permit.
10-0X460	Due to the complexity of project longer design time are anticipated.
11-40940	Extensive studies using most current seismological and geotechnical models are needed to evaluate the existing bridge piles.
11-43013	Extensive environmental studies are needed because all bridge locations are within a Historic District.
11-42220	Extensive coordination with external agencies and extensive hydrological and environmental studies.

*Comment 10: Confirm that the funding for all long lead projects is accounted within Exhibit A – 2018 SHOPP Funding Summary.*

Caltrans Response: Funding for the authorized phase (PA&ED) for Long Lead projects will be accounted for in the final document.

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Comment 11: *Clearly describe what “Multiple Objective” projects are, how they were identified and selected, and the multiple objectives they are intended to address.*

Caltrans Response: Caltrans is promoting projects that achieve a number of the Strategic Objectives of the Department. By removing the focus on singular funded accounting codes that limited multi-objective projects in the past it realized a number of benefits:

- 1) Better economies of scale. Larger projects have been shown to cost relatively less to develop than small projects.
- 2) By combining work needed within the project limits into a single project, it eliminate repeated disruption to the traveling public.
- 3) The multi-objective approach better facilitates the incorporation of complete streets elements and other ancillary work to the anchor assets.

Most projects historically have included multiple benefits; they just were not recognized. The legacy 3R projects are a good example of projects with multiple benefits. These projects were pavement plus other items all defined as pavement. A multi-objective project allows all components to be recognized (not just the pavement) so that the full benefit of the project can be better understood, documented and credited for improving the transportation system.

Comment 12: *Confirm that a reservation for Surface Mining and Reclamation Act financial surety is no longer required.*

Department Response: A reservation was held for Surface Mining and Reclamation Act (SMRA), due to rounding it shows as zero. The correction will be shown in the final 2018 SHOPP document.

Comment 13: *Confirm that the value proposed for programming for each project component is escalated to the mid-point of the duration of that component.*

Caltrans Response: Escalation has been applied to each component as required by the Interim SHOPP Guidelines.

Comment 14: *Review and update, as appropriate, the major project delivery milestones of each project in relation to the fiscal year of programming.*

Caltrans Response: Project milestones have been reviewed, if a project delivery milestones was changed the change has been added to the change list.

Comment 15: *Review project descriptions and add acronyms used in the description of projects into Exhibit C – Abbreviations and Acronyms.*

Caltrans Response: Project descriptions have been reviewed and acronyms have been removed and/or spelled out within the project descriptions.

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Comment 16: *Review and update, as appropriate, performance measures for proposed projects that describe required follow-up “environmental mitigation” or “landscape and plant establishment”.*

Caltrans Response: Performance measures for “environmental mitigation” or “landscape and plant establishment” projects have been corrected and will be included in the final 2018 SHOPP document.

Comment 17: *Identify which of the 25 structures described in Table 8-3 of the TAMP titled “Bridges Subject to Multiple High Load Hits” are proposed for remediation in the 2018 SHOPP.*

Caltrans Response: The following projects from Table 8-3 of the TAMP are proposed in the 2018 SHOPP:

- Solano - Spring Road OC (EA 04-2K840)
- San Joaquin - Farmington Road OC (EA 10-0X310)

Comment 18: *Review and update as appropriate the performance measures for all projects reporting curb ramp replacements and collisions reduced.*

Caltrans Response: Performance measures have been reviewed and updated if necessary. The updated performance measures will be included in the final 2018 SHOPP document.

Comment 19: *Identify projects in the proposed 2018 SHOPP intended to reduce the risk at locations identified in Table 8-4 of the TAMP titled “Major Slides Included Under Slope Prone to Erosion”.*

Caltrans Response: The following projects intended to reduce the risk for locations identified in the TAMP are proposed in the 2018 SHOPP:

- 01-Men-162 (EA 0B530): Near Dos Rios, from 1.4 to 1.7 east of Rodeo Creek Bridge.
- 05-Mon-1 (EA 0P300) Long Lead: Near Lucia, north of Mill Creek Bridge.
- 06-Fresno- 198 (EA 0R110): From 0.01 mile west of Warthan Creek (Br No 42-12) to 0.95 mile west of Coalinga Creek (Br No 42-99); also in Kern County, from 0.32 mi. west of Stine Rd to Cerro St (north).
- 10-Calaveras-26 (EA 0V480): Near Mokelumne Hill and West Point, at various locations from 5.4 miles west of Ridge Road to the Amador County line.

Comment 20: *Confirm that all facilities projects contained in the proposed program are also included in the most recent Facilities Infrastructure Plan*

Caltrans Response: All facilities projects in the proposed 2018 SHOPP are included in the most recent approved Facilities Infrastructure Plan.



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Comment 21: *Identify any proposed 2018 SHOPP project that is intended to be combined for construction with a project contained in any other Commission adopted program.*

Caltrans Response: The following projects will be combined for construction with a project contained in other Commission adopted programs:

- EA 02-1H740 (Safety Improvements) will be combined with EA 02-2H140 (Minor) for construction.
- EA 02-3H730 and EA 02-2H880 (Pavement Rehabilitation) pending PCR, will be combined with EA 02-4C403 (STIP/TCEP) and EA 02-4C404 (STIP/TCEP) for construction.
- EA 04-22913 (Bridge Scour) will be combined with 04-22911 (STIP) for construction.
- EA 04-2J100 (Safety Improvements) will be combined with STIP, MTC One Bay Area Grant (through Caltrans Local Assistance) and City of Napa funds for construction.
- EA 05-1C820 (Roadway Rehabilitation) will be combined with 05-0N700 (STIP) for construction.
- EA 06-47090 (Pavement Rehabilitation) will be combined with State Route 99 Bond funds in construction.
- EA 07-33520 (Operational Improvements) will be combined with Rogin Funds (Federal Grant) and possibly Local Measure funds in construction.
- EA 07-32160 (Pavement Rehabilitation) will be combined with Local Measure funds in construction.
- EA 07-32580 (Pavement Rehabilitation) will be combined with Local Measure funds in construction.
- EA 11-42560 (Mobility) PCR pending STIP adoption and SB1 Congested Corridors, will be combined with 11-2T218 (STIP) and 11-42260 (SHOPP).
- EA 12-0G950 (Operational Improvements) will be combined with STIP, local and regional funds and combined with EA 12-0J340 (20.10.800.100 Program – Quality Management on Locally Implemented Projects – Support only) for construction.

Comment 22: *Describe the consistency and overall priority of the proposed bridge preservation project (Project No. 03-3F060) on State Route 162 in Glenn County with the priorities, goals and objectives of the TAMP.*

Caltrans Response: Based on the known deficiencies of the main span (truss portion,) the project was initiated for replacement consistent with the Department's priorities of statewide bridge needs. The viaduct has been removed from the project.

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Comment 23: *Review and confirm the scope of work, cost, performance measure, and schedule for the proposed collision reduction project (Project No. 03-4F370) on State Route 174 in Nevada County.*

Caltrans Response: The Department is re-evaluating the design while ensuring that we are still addressing the safety needs of the project. The Department is working with the community and evaluating design alternatives with the goal of increasing the safety on State Route 174 while also preserving the scenic qualities and rural nature of the highway.

Comment 24: *Review and update as appropriate the performance measure for the proposed collision reduction project (Project No. 05-1H020) on United States Route 101 in Monterey County.*

Caltrans Response: The Department has reviewed and confirmed the performance measure for the project and has determined that the performance measure is correct.

Comment 25: *Review and update the description of the proposed project (Project No. 05-1H650) on State Route 183 in Monterey County to clearly describe the scope of work currently described as “Predominate mobility project” at one location,*

Caltrans Response: The project description has been updated to the following:

- “In Monterey County, on Route 183, in Castroville from Del Monte Ave to Washington Street, a multi-objective Asset Management Pilot Project. Rehabilitate pavement, repair bridge, construct storm drainage system improvements, construct Intelligent Transportation System (ITS) elements, improve pedestrian, bicycle, and American with Disabilities Act (ADA) facilities”

Comment 26: *Describe what is intended by the statement “City of South Pasadena will AAA the project” in the description of mobility project (project number 07-33520) in Los Angeles County on Interstate Route 110.*

Department Response: The AAA acronym represents ‘Advertise, Award, and Administer’ (AAA) of the project construction contract. The City of South Pasadena has agreed to perform these project elements. The requested 2018 SHOPP programming will permit the Department to complete the PA&ED and PS&E phases of the project. The Right of Way Support, Right of Way Capital, Construction Support and Construction Capital components will be funded by the City of South Pasadena.

The project description was updated to include "The City of South Pasadena will Advertise, Award, and Administer (AAA) the project construction contract.”

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Comment 27: *Confirm the location of the multiple objective project (Project No. 07-33320) which is described as “in Kern County” but reflected in the listing as located on Interstate Route 5 in Los Angeles County.*

Department Response: The proposed project construction improvements are physically located in Kern County at the Tejon Safety Roadside Rest Area (SRRA). Caltrans District 7 typically is responsible for State Highway System projects in Los Angeles and Ventura Counties only. However, Caltrans District 7 has agreement with the adjoining district on maintenance of this SRRA and a short section of the adjacent route because the remote location places it closer to District 7 support staff. Therefore, District 7 is developing and administering the project, which results in an unusual county listing in the 2018 SHOPP.

Comment 28: *Review and confirm no funding is required for the development of the Plans, Specifications, and Estimates phase for the proposed facility project (Project No. 08-0R420) in San Bernardino County described as “Construct new maintenance facility.”*

Caltrans Response: The Department has confirmed that no funding is required for the Plans, Specifications, and Estimates (PS&E) design phase of this proposed facility project. The project is to be nominated for use of the Design-Build procurement method. Under such method, the Design and Construction of the project will both be done by the contractor, which differs from the conventional Design-Bid-Build process.

Comment 29: *Include and address in the final 2018 SHOPP document all comments received at either the Northern or Southern SHOPP hearings.*

Caltrans Response: All comments received at the northern or southern hearing will be documented in the final 2018 SHOPP document.

**Recommended Scope, Schedule and Cost Changes to the Proposed 2018 State Highway Operation and Protection Program (SHOPP) Document**  
 (\$1,000)

Index No	Dist	County	Route	Post Mile	Location/Description	EA	PPNO	Project ID	Program Code	FY	Capital		Support			Performance Measure		Comments
											Phase	Amount	Phase	Amount	Alloc FY	No	Unit	
1	01	Del Norte	101	12.0/15.5	Near Crescent City, at Last Chance Grade, from Wilson Creek Bridge to 3.8 miles north of Wilson Creek Bridge. Permanent roadway restoration and realignment. PA&ED and R/W funds are requested for geotechnical evaluation (\$5 million) of the current seven alternatives and for the environmental clearance (\$5 million) needed to perform geotechnical work.	0F280	1112	0115000099	201.131	2030-31	*R/W Const	75	*PA&ED PS&E R/W Sup Con Sup	10,000	Prior 25-26 25-26 30-31	1	Location(s)	Long Lead project. Update Location/Description and project cost.
2	01	Humboldt	101	77.9/79.5	In Eureka, from Sixth Street to south of X Street. Improve curve and signs, construct bulb-outs, upgrade curb ramps, apply microsurfacing, and refresh pavement delineation. (Included in Attachment 2b.)	0H200	2481	0117000128	201.010	2021-22	R/W Const	493 5,563	PA&ED PS&E R/W Sup Con Sup	1,265 1,080 717 1,421	18-19 19-20 19-20 21-22	413	Collision(s) Reduced	New carryover fully programmed project.
3	01	Humboldt	101	79.8/84.7	Near Eureka, at various locations from 0.2 miles south of Eureka Slough Bridge to 0.2 miles north of Gannon Slough Bridge. Upgrade bridge rails and replace bridge.	0E000	2376	0113000091	201.112	2018-19	R/W Const	196 4,249	PA&ED PS&E R/W Sup Con Sup	1,480 1,514 63 892	Prior Prior Prior 18-19	300.0	Linear Feet	Update sequential programming.
4	01	Humboldt	101	80.8/87.8	Near Eureka, from PM 80.0 to 87.8. Upgrade metal beam guardrail.	0C970	2375	0113000094	201.015	2018-19	R/W Const	118 1,763	PA&ED PS&E R/W Sup Con Sup	510 300 48 267	Prior Prior Prior 18-19	39	Collision(s) Reduced	Update sequential programming.
5	03	Butte	70	0.0/3.8	Near Oroville, from Yuba County line to south of East Gridley Road/Stimpson Road; also in Yuba County, on Route 70 from PM 25.7 to PM 25.8. Widen for two-way left-turn lane and standard shoulders. (Included in Attachment 2b.)	3H930	2296	0318000102	201.010	2021-22	R/W Const	3,218 20,610	PA&ED PS&E R/W Sup Con Sup	3,400 3,000 2,500 3,200	Prior 19-20 19-20 21-22	35	Collision(s) Reduced	Update schedule and sequential programming.
6	03	Glenn	162	76.3/78.6	At Butte City, from Route 45 to 0.1 mile east of McDougall Street. Replace truss section on Sacramento River Bridge No. 11-0017 over the river channel and reconstruct east side roadway to conform with new structure. (PA&ED Only) (Included in Attachment 2b.)	3F060	2633	0312000052	201.113	2021-22	R/W Const	4,000 34,000	*PA&ED PS&E R/W Sup Con Sup	5,500 5,500 1,000 4,000	Prior 19-20 19-20 21-22	1	Bridge(s)	Change programming to PA&ED Only. Update Location/Description, schedule, project cost and sequential programming.
7	03	Nevada	174	2.7/4.7	Near Rollins Lake, from Maple Way to You Bet Road. Realign roadway curves.	4F370	4451	0314000152	201.010	2018-19	R/W Const	2,503 17,000	PA&ED PS&E R/W Sup Con Sup	1,700 2,100 2,300 3,200	Prior Prior Prior 18-19	72	Collision(s) Reduced	Update sequential programming.
8	03	Sacramento	50	R2.6/R3.8	In the city of Sacramento, from 65th Street to east of Howe Avenue. Construct westbound auxiliary lane.	1F190	6200	0300001105	201.310	2018-19	R/W Const	6 3,080	PA&ED PS&E R/W Sup Con Sup	155 265 4 420	Prior Prior Prior 18-19	88.0	Daily Vehicle Hour(s) of Delay (DVHD)	Update sequential programming.
9	03	Sacramento	50	R3.5	In the city of Sacramento, at Hornet Drive eastbound offramp. Widen ramp, add signal and right-turn lane.	0H580	6242	0315000211	201.310	2018-19	R/W Const	130 1,300	PA&ED PS&E R/W Sup Con Sup	250 450 130 460	Prior Prior Prior 18-19	2,740.0	Daily Vehicle Hour(s) of Delay (DVHD)	Update sequential programming.
10	03	Yuba	20	8.0/10.2	Near Marysville, from 0.1 mile east of Loma Rica Road to 0.2 mile west of Spring Valley Road. Rehabilitate roadway.	2F320	9587	0300020594	201.120	2018-19	R/W Const	1,400 10,700	PA&ED PS&E R/W Sup Con Sup	1,160 1,610 950 1,600	Prior Prior Prior 18-19	4.4	Lane Mile(s)	Update sequential programming.
11	04	Alameda	13		In various cities, on Routes 13, 61, and 123 at various locations; also in Contra Costa County, on Route 123 at Eureka Avenue. Crosswalk safety enhancements. (Included in Attachment 2b.)	0J470	0488Q	0414000003	201.015	2019-20	R/W Const	840 4,290	PA&ED PS&E R/W Sup Con Sup	788 1,393 200 800	Prior Prior Prior 19-20	33	Collision(s) Reduced	Update project cost and sequential programming.
12	04	Alameda	80	5.8	In Berkeley, at University Avenue Overcrossing No. 33-0023. Establish standard vertical clearance. ACCELERATED BRIDGE (PA&ED Only) (Included in Attachment 2b.)	2K830	1452H	0417000030	201.322	2019-20	R/W Const	35 27,678	PA&ED PS&E R/W Sup Con Sup	3,380 3,000 300 5,400	Prior 19-20 19-20 19-20	1	Bridge(s)	Update sequential programming.
13	04	Alameda	80		In Oakland, at the Routes 80/580/680 MacArthur Maze Bridge No. 33-0061R, 33-0061L, 33-0061L and 33-0611. Establish standard vertical clearance. ACCELERATED BRIDGE (PA&ED Only) (Included in Attachment 2b.)	4K810	1460R	0417000363	201.322	2019-20	R/W Const	500 105,489	PA&ED PS&E R/W Sup Con Sup	6,600 7,800 260 7,800	Prior 19-20 19-20 19-20	4	Bridge(s)	Update sequential programming.

\*Project Approval and Environmental Document (PA&ED) phase is authorized.

**Recommended Scope, Schedule and Cost Changes to the Proposed 2018 State Highway Operation and Protection Program (SHOPP) Document**  
 (\$1,000)

Index No	Dist	County	Route	Post Mile	Location/Description	EA	PPNO	Project ID	Program Code	FY	Capital		Support			Performance Measure		Comments
											Phase	Amount	Phase	Amount	Alloc FY	No	Unit	
14	04	Contra Costa	4	R12.9	Near Martinez, at Grayson Creek Bridge No. 28-0066 R/L. Replace bridges by Financial Contribution Only (FCO) to Contra Costa Transportation Authority.	22913	0298X	0418000298	201.111	2018-19	R/W Const	0 20,500	PA&ED PS&E R/W Sup Con Sup	0 100 0 0	18-19	2	Bridge(s)	Update Route, EA, PPNO and Project ID.
15	04	Contra Costa	242	R0.0/R3.4	In Concord, from Route 680 to Route 4. Pavement rehabilitation. (Included in Attachment 2b.)	26980	0269H	0412000159	201.121	2019-20	R/W Const	15 11,774	PA&ED PS&E R/W Sup Con Sup	990 1,210 110 1,430	Prior <b>18-19</b> <b>18-19</b> 19-20	20.4	Lane Mile(s)	Update sequential programming.
16	04	Napa	29	14.1/19.0	In and near the cities of Napa and Yountville, at Craig Creek Bridge No. 21-0048 (PM 14.11), Dry Creek Bridge No. 21-0014 (PM 16.48), Perfume Creek Bridge No. 21-0051 (PM 17.81), and California Drive Undercrossing No. 21-0047 (PM 19.04). Upgrade bridge rails and widen shoulders to make standard.	0K630	1494E	0416000111	201.112	2021-22	R/W Const	295 7,111	PA&ED PS&E R/W Sup Con Sup	<b>2,600</b> 1,200 350 1,500	18-19 20-21 20-21 21-22	682.0	Linear Feet	Update project cost.
17	04	San Mateo	82	12.9/15.9	In Burlingame, Hillsborough, and Millbrae, from Barroilhet Avenue to Millbrae Avenue. Upgrade curb ramps and sidewalks to Americans with Disabilities Act (ADA) Standards.	1G900	0730D	0400020619	201.378	2022-23	R/W Const	844 9,120	*PA&ED PS&E R/W Sup Con Sup	3,320 1,200 700 1,000	Prior 20-21 20-21 22-23	<b>82</b>	<b>Curb Ramp(s)</b>	Long Lead project. Update Performance Measure.
18	04	Solano	80	1.1	In Vallejo, at Route 80/29 Separation Bridge No. 23-0087. Replace bridge. ACCELERATED BRIDGE (PA&ED Only)	2K840	1452F	0417000031	201.322	2019-20	R/W Const	15 11,922	PA&ED PS&E R/W Sup Con Sup	2,057 2,624 22 2,416	<b>Prior</b> 19-20 19-20 19-20	1	Bridge(s)	Update sequential programming.
19	04	Solano	84	12.1/12.2	Near Rio Vista, at Miner Slough Bridge No. 23-0035. Replace bridge. (Included in Attachment 2b.)	0G660	0886	0400000343	201.110	<b>2019-20</b>	R/W Const	2,884 24,500	PA&ED PS&E R/W Sup Con Sup	300 3,500 1,098 3,500	Prior Prior Prior <b>19-20</b>	1	Bridge(s)	Update schedule and sequential programming.
20	05	Monterey	183	R8.4/R9.8	<del>In Castroville from Del Monte Ave to Washington Street, a multi-objective Asset Management Pilot Project. Predominate mobility project.</del> <b>In Monterey County, on Route 183, in Castroville from Del Monte Ave to Washington Street, a multi-objective Asset Management Pilot Project. Rehabilitate Pavement, repair bridge, construct storm drainage system improvements, construct Intelligent Transportation System (ITS) elements, improve pedestrian, bicycle, and American with Disabilities Act (ADA) facilities.</b>	1H650	2678	0516000118	201.999	2021-22	R/W Const	2,300 13,300	PA&ED PS&E R/W Sup Con Sup	2,600 3,000 6,600 3,200	18-19 19-20 19-20 21-22	1	Location(s)	Update Location/Description.
21	05	Santa Cruz	1	0	Near the city of Santa Cruz, on Routes 1 and 17 at various locations. Bridge rail replacement and upgrades.	1F520	2585	0514000005	201.112	2018-19	R/W Const	0 4,167	PA&ED PS&E R/W Sup Con Sup	0 902 47 1,059	Prior Prior <b>18-19</b>	1,375.0	Linear Feet	Update sequential programming.
22	06	Kern	5	12.5	Near the Grapevine, at the California Aqueduct No. 50-0321L/R. Improve to standard load capacity. ACCELERATED BRIDGE (PA&ED Only)	0W460	6877	0617000225	201.322	2018-19	R/W Const	10 4,100	PA&ED PS&E R/W Sup Con Sup	1,910 430 10 1,000	<b>Prior</b> 18-19 18-19 18-19	2	Bridge(s)	Update sequential programming.
23	06	Kern	5	R15.8	Near the Grapevine, at the Route 5/99 Separation No. 50-0240R. Lower roadway profile to obtain standard vertical clearance. ACCELERATED BRIDGE (PA&ED Only)	0W430	6876	0617000222	201.322	2018-19	R/W Const	10 4,500	PA&ED PS&E R/W Sup Con Sup	1,600 470 10 1,200	<b>Prior</b> 18-19 18-19 18-19	1	Bridge(s)	Update sequential programming.
24	06	Kern	99	22.8/23.6	<del>In Bakersfield from 0.3 mile south of Belle Terrace Overcrossing to 0.1 mile north of Route 58; also on Route 58 from Route 99 to 0.2 mile east of Route 99 (PM R52.3 to R52.5). Construct an auxiliary lane, reconstruct an Overcrossing, and realign connector ramp.</del>	48464	6891	0618000019	201.340	2018-19	R/W Const	0 0	PA&ED PS&E R/W Sup Con Sup	0 0 0 0		<b>0.0</b>	Daily Vehicle Hour(s) of Delay (DVHD)	Remove from 2018 SHOPP.
25	06	Madera	99	R7.5/15.1	In and near Madera from Avenue 12 Overcrossing to 0.9 mile north of Avenue 17 Overcrossing. Additional \$13M from other contribution for the construction of one new lane in each direction. Roadway rehabilitation. (Included in Attachment 2b.)	47090	5335A	0600000973	201.120	2018-19	R/W Const	0 <b>53,000</b>	PA&ED PS&E R/W Sup Con Sup	0 1,500 0 <b>7,500</b>	<b>18-19</b> 18-19	<b>23.0</b>	Lane Mile(s)	Update project cost and sequential programming.

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**Recommended Scope, Schedule and Cost Changes to the Proposed 2018 State Highway Operation and Protection Program (SHOPP) Document**  
 (\$1,000)

Index No	Dist	County	Route	Post Mile	Location/Description	EA	PPNO	Project ID	Program Code	FY	Capital		Support			Performance Measure		Comments
											Phase	Amount	Phase	Amount	Alloc FY	No	Unit	
26	07	Los Angeles	5	27.0/66.5	In Los Angeles County, at various locations. Establish standard vertical clearance. ACCELERATED BRIDGE (PA&ED Only)	34210	5281	0717000244	201.322	2019-20	R/W Const	152,980 221,390	PA&ED PS&E R/W Sup Con Sup	15,640 41,760 10,980 61,790	Prior 19-20 19-20 19-20	12	Bridge(s)	Update sequential programming.
27	07	Los Angeles	10	2.2/48.3	In Los Angeles County, from 4th Street Overcrossing to San Bernardino County line. Replace sign panels with ASTM-Type XI retroreflective sheeting and remove overhead sign-lighting and catwalks. <b>Replace sign panels and remove overhead sign lighting and catwalks.</b>	33530	5201	0716000363	201.170	2020-21	R/W Const	50 7,823	PA&ED PS&E R/W Sup Con Sup	588 2,700 60 1,900	18-19 19-20 19-20 20-21	599	Sign(s)	Update Location/Description.
28	07	Los Angeles	39	R31.2	Near Azusa, at the North Fork San Gabriel River Bridge No. 53-2245. Replace bridge.	34340	5298	0718000018	201.111	2018-19	R/W Const	10 11,742	PA&ED PS&E R/W Sup Con Sup	0 1,930 20 4,476	18-19 18-19 18-19	1	Bridge(s)	Update sequential programming.
29	07	Los Angeles	110	31.0/31.0	In Pasadena and South Pasadena, at the Fair Oaks Avenue northbound offramp. Widen ramp from two lanes to four lanes. City of South Pasadena will AAA the project. <b>The city of South Pasadena will Advertise, Award, and Administer (AAA) the project construction contract.</b>	33520	5196	0716000355	201.310	2021-22	R/W Const	0 0	PA&ED PS&E R/W Sup Con Sup	1,400 2372 0 0	18-19 20-21	64.0	Daily Vehicle Hour(s) of Delay (DVHD)	Update Location/Description.
30	07	Los Angeles	138	70.3	In and near Palmdale, Azusa and Pomona, at the California Aqueduct Bridge No. 53-2174; also on Route 39 at the San Gabriel River Bridge No. 53-0113 (PM 17.81) and Route 71 at the Ridgeway Street Undercrossing Bridge No. 53-2052 (PM R0.92). Seismic retrofit, barrier replacement, paint San Gabriel River Bridge	32620	5035	0716000113	201.113	2021-22	R/W Const	101 19,329	PA&ED PS&E R/W Sup Con Sup	1,372 4,549 488 5,686	18-19 19-20 19-20 21-22	3	Bridge(s)	Update sequential programming.
31	08	Riverside	62	R6.7/9.2	In and near Yucca Valley and Twentynine Palms, from north of Indian Avenue to Utah Trail; also in San Bernardino County (PM 0.0/15.1 and PM 29.3/33.6). Pavement rehabilitation.	1E840	0023C	0814000113	201.121	2019-20	R/W Const	2,209 35,355	PA&ED PS&E R/W Sup Con Sup	1,450 2,800 1,110 4,520	Prior Prior Prior 19-20	85.5	Lane Mile(s)	Update sequential programming.
32	08	Riverside	74	50.0/59.0	<b>Near Mountain Center, from east of Black Burn Road to east of McCall Park Road. Permanent restoration of storm damaged culverts and eroded roadway embankment slope. (Included in Attachment 2b.)</b>	1H910	3010G	0817000165	201.131	2020-21	R/W Const	55 4,264	PA&ED PS&E R/W Sup Con Sup	1,270 1,393 255 1,342	18-19 18-19 18-19 20-21	5	Location(s)	<b>New carryover fully programmed project.</b>
33	09	Inyo	395	117.3/117.8	Near Bishop, from North See Vee Lane to North Barlow Lane. Upgrade <b>Americans with Disabilities Act (ADA)</b> curb ramps, driveways, and pedestrian push buttons, refresh striping, relocate signals, and construct new pedestrian and bicycle facilities.	36680	2641	0916000021	201.361	2023-24	R/W Const	6,378 9,901	*PA&ED PS&E R/W Sup Con Sup	1,530 3,340 1,670 2,190	18-19 20-21 20-21 23-24	15	Curb Ramp(s)	Long Lead project. Update Performance Measure.
34	09	Mono	395	6.9/9.6	Near Tom's place, from 2.4 miles south of Lower Rock Creek Road to 0.3 mile north of Lower Rock Creek Road. Widen shoulders, flatten slopes, install ground in rumble strips, reconstruct and install guardrail.	36070	0662	0914000003	201.015	2020-21	R/W Const	368 13,740	PA&ED PS&E R/W Sup Con Sup	922 2,037 485 2,799	Prior 18-19 18-19 20-21	33	Collision(s) Reduced	Update sequential programming.
35	10	Alpine	88		Near Markleeville, on Routes 4, 88, and 89 at various locations. Bridge rail upgrade on four bridges.	0X750	3134	1013000009	201.112	2019-20	R/W Const	313 5,451	PA&ED PS&E R/W Sup Con Sup	496 1,460 110 1,484	Prior 19-20 19-20 19-20	550.0	Linear Feet	Update sequential programming.
36	10	Merced	140	2.3/49.0	In and near the cities of Gustine and Merced, from Outside Canal Bridge No. 39-0055 to 1.3 miles west of Mariposa County line, at various locations. Replace bridge approach guardrail on two bridges and removal of obstructions from clear recovery zone at eleven locations.	0Y130	3074	1013000243	201.015	2021-22	R/W Const	355 4,225	PA&ED PS&E R/W Sup Con Sup	1,279 769 252 1,172	Prior 20-21 20-21 21-22	39	Collision(s) Reduced	Update sequential programming.
37	11	Imperial	Var		In San Diego and Imperial Counties, at various locations, on Routes 7, 8, 78, 79, 86, 94, 98, 111, 115, 186, and 188. Upgrade and install curve warning signs.	42500	1201	1116000095	201.015	2021-22	R/W Const	0 1,712	PA&ED PS&E R/W Sup Con Sup	317 493 0 462	18-19 20-21 21-22	35	Collision(s) reduced	Update sequential programming.
38	11	San Diego	5	R30.2/R34.2	In the city of San Diego, from Sorrento Valley Road to Del Mar Heights Road. Construct rumble strips on both shoulders, rehabilitate bike path, install fiber optic cable/CCTVs and rehabilitate 48 inch culvert. Asset Management Pilot Project.	42650	1218	1116000125	201.999	2020-21	R/W Const	0 3,824	PA&ED PS&E R/W Sup Con Sup	471 1,304 40 678	18-19 19-20 19-20 20-21	1	Location(s)	Update Performance Measure.

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 (\$1,000)

Index No	Dist	County	Route	Post Mile	Location/Description	EA	PPNO	Project ID	Program Code	FY	Capital		Support			Performance Measure		Comments
											Phase	Amount	Phase	Amount	Alloc FY	No	Unit	
39	11	San Diego	76	29.3/29.6	Near Pauma Valley, from 0.2 mile west to 0.1 mile east of Pauma Creek Bridge No. 57-0077; also 6.0 miles west of Santa Ysabel, at 1.8 miles west of San Luis Rey River Bridge at the Wigham Creek Culvert (PM 45.3). Remediate fish passage and improve water quality by replacing existing creek crossings with natural bottom bridges. <b>(Included in Attachment 2b.)</b>	42220	1195	1115000179	201.335	2023-24	R/W Const	303 14,300	*PA&ED PS&E R/W Sup Con Sup	2,244 3,680 262 4,073	18-19 23-24 23-24 23-24	140.0	Acres Treated/ Pollutant	New Long Lead project.
40	11	San Diego	Var		In San Diego County, at various locations. Apply methacrylate to bridge decks, replace joint seals, repair unsound concrete and replace approach slabs.	42690	1221	1116000144	201.119	2018-19	R/W Const	0 3,542	PA&ED PS&E R/W Sup Con Sup	0 663 0 733	Prior <b>18-19</b>	35	Bridge(s)	Update sequential programming.
41	12	Orange	261	0.0/0.3	In Irvine, from Walnut Road to north of northbound Jamboree Road Overcrossing. Install double thrie-beam barrier to prevent cross-median collisions.	0Q130	4926F	1216000091	201.010	2018-19	R/W Const	0 510	PA&ED PS&E R/W Sup Con Sup	0 412 0 320	Prior 18-19	3	Collision(s) Reduced	Update sequential programming.
42	10	Calaveras	4	R10.3/16.4	Near Copperopolis and Angels Camp, from 2.0 miles east of Main Street to Stallion Way. Realign roadway, <b>implement safety features by improving shoulder width, and rehabilitate culverts.</b>	0E531	3067A	1018000164	201.999	2020-21	R/W Const	0 0	PA&ED PS&E R/W Sup Con Sup	0 0 0 10,325	20-21	12.2	Centerline mile(s)	Update Location/Description.

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Recommended Milestone Changes to the Proposed 2018 State Highway Operation and Protection Program (SHOPP) Document

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											PA&ED	R/W Cert	RTL	Begin Con	
1	01	Del Norte	101	25.8/27.3	In and near Crescent City, from south of Elk Valley Road to north of Wilson Avenue/Burtschell Street. Upgrade Americans with Disabilities Act (ADA) facilities and construct traffic calming measures to improve operations and safety for non-motorized users.	0C660	1095	0113000023	201.361	2019-20	06/15/2018	06/05/2020	06/22/2020	10/30/2020	Update schedule.
2	01	Del Norte	101	36.1	Near Crescent City, from 0.2 mile north of the Smith River Overflow Bridge. Replace bridge.	43640	0100V	0100000193	201.110	2020-21	12/01/2019	03/19/2021	04/19/2021	12/10/2021	Update schedule.
3	01	Humboldt	36	11.3/34.6	Near Bridgeville, at Hely Creek Bridge No. 04-0092, Little Larabee Creek Bridge No. 04-0102 (PM 25.3), and Butte Creek Bridge No. 04-0116. Upgrade bridge rails and widen one bridge and replace two bridges.	0C500	2363	0112000292	201.112	2019-20	03/01/2019	03/01/2020	04/01/2020	08/30/2020	Update schedule.
4	01	Humboldt	101	77.9/79.5	<b>In Eureka, from Sixth Street to south of X Street. Improve curve and signs, construct bulb-outs, upgrade curb ramps, apply microsurfacing, and refresh pavement delineation. (Included in Attachment 2a.)</b>	0H200	2481	0117000128	201.010	2021-22	01/21/2020	07/14/2021	08/01/2021	12/22/2021	<b>New carryover fully programmed project.</b>
5	01	Humboldt	101	R17.9/87.8	In Humboldt County, at South Fork Eel River Bridge and Separation No. 04-0065, South Fork Eel River Bridge No. 04-0076 (PM 35.5), and Arcata Overhead No. 04-0079R. Strengthen three bridge structures.	0E770	2400	0115000009	201.322	2018-19	09/01/2018	06/01/2019	06/01/2019	11/14/2019	Update schedule.
6	01	Mendocino	20	16.9/17.2	Near Fort Bragg, from 0.34 mile west of Road 200A to 0.13 mile west of Road 200A. Widen shoulders, install center and edge-line rumble strips, and install guardrail.	0E860	4613	0115000038	201.010	2018-19	09/14/2018	06/11/2019	06/25/2019	11/14/2019	Update schedule.
7	01	Mendocino	271	17.7/18.0	Near Percy, from 0.7 mile north of Routes 271/101 Separation Bridge No. 10-0217 to 0.4 mile south of Sidehill Viaduct No. 10-0100. Mitigation planting and monitoring for EA 04-0A840.	0A841	4710	0118000130	201.110	2020-21	04/27/2017	04/15/2018	07/15/2020	09/01/2020	Update schedule.
8	03	Butte	70	0.0/3.8	Near Oroville, from Yuba County line to south of East Gridley Road/Stimpson Road; also in Yuba County, on Route 70 from PM 25.7 to PM 25.8. Widen for two-way left-turn lane and standard shoulders. (Included in Attachment 2a.)	3H930	2296	0318000102	201.010	2021-22	04/01/2020	10/01/2021	10/15/2021	06/17/2022	Update schedule.
9	03	Glenn	162	76.3/78.6	At Butte City, from Route 45 to 0.1 mile east of McDougall Street. Replace <b>truss section on Sacramento River Bridge No. 11-0017 over the river channel and reconstruct east side roadway to conform with new structure. (PA&amp;ED Only)</b> (Included in Attachment 2a.)	3F060	2633	0312000052	201.113	2021-22	08/01/2019	09/01/2021	10/15/2021	04/01/2022	Update Location/Description and schedule.
10	03	Yolo	16	4.0	Near Esparto, west of Cache Creek Bridge No. 22 -0019. Install rock fall barrier to stabilize slope and minimize rock fall onto the traveled way.	3H460	8668	0318000002	201.131	2018-19	09/03/2018	06/09/2019	06/14/2019	12/01/2019	Update schedule.
11	04	Alameda	13		In various cities, on Routes 13, 61, and 123 at various locations; also in Contra Costa County, on Route 123, at Eureka Avenue. Crosswalk safety enhancements. cluded in Attachment 2a.)	0J470	0488Q	0414000003	201.015	2019-20	03/19/2018	11/1//2019	12/31/2019	06/01/2020	Update schedule.
12	04	Alameda	80		In Oakland, at the Routes 80/580/680 MacArthur Maze Bridge No. 33-0061R, 33-0061L, 33-0061L and 33-0611. Establish standard vertical clearance. ACCELERATED BRIDGE (PA&ED Only) (Included in Attachment 2a.)	4K810	1460R	0417000363	201.322	2019-20	11/18/2019	05/02/2020	06/01/2020	02/01/2021	Update schedule.
13	04	Alameda	80	5.8	In Berkeley, at University Avenue Overcrossing No. 33-0023. Establish standard vertical clearance. ACCELERATED BRIDGE (PA&ED Only) (Included in Attachment 2a.)	2K830	1452H	0417000030	201.322	2019-20	05/03/2019	05/01/2020	06/01/2020	12/01/2020	Update schedule.



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14	04	Contra Costa	24	1.0/R2.5	In Orinda and Lafayette, from east of the Caldecott Tunnel to east of Camino Pablo and at Acalanes Road (PM R4.2/R4.99); also in Oakland on Route 13, at Redwood Road (PM 5.2/5.5). Install safety lighting.	1J990	1418C	0414000411	201.010	2018-19	05/01/2018	05/20/2019	06/17/2019	11/12/2018	Update schedule.
15	04	Contra Costa	24	R3.5	In Orinda, at St. Stephens Drive Overcrossing No. 28-0111. Seismic retrofit.	4J840	1493A	0416000027	201.113	2021-22	04/13/2020	01/04/2022	02/21/2022	12/22/2022	Update schedule.
16	04	Marin	101	0.2	Near Sausalito, at 0.1 mile south of Alexander Avenue. Restore damaged drainage systems.	4J420	1492J	0415000344	201.131	2019-20	01/01/2019	02/01/2020	04/01/2020	07/08/2020	Update schedule.
17	04	Contra Costa	242	R0.0/R3.4	In Concord, from Route 680 to Route 4. Pavement rehabilitation. (Included in Attachment 2a.)	26980	0269H	0412000159	201.121	2019-20	06/29/2018	03/04/2020	06/30/2020	12/18/2020	Update schedule.
18	04	Napa	29	11.4	In Napa, at northbound ramps and 1st Street. Construct roundabout.	2J100	1488P	0414000426	201.010	2018-19	07/18/2016	04/15/2018	04/15/2018	02/22/2019	Update schedule.
19	04	Santa Clara	152	7.6/M10.2	In Gilroy, from 0.3 miles west of Santa Teresa Boulevard to Route 101. Rehabilitate pavement.	2K750	1452D	0417000019	201.121	2019-20	06/15/2018	12/05/2018	12/19/2018	06/14/2019	Update schedule.
20	04	Solano	84	12.1/12.2	Near Rio Vista, at Miner Slough Bridge No. 23-0035. Replace bridge. (Included in Attachment 2a.)	0G660	0886	0400000343	201.110	2019-20	09/29/2017	04/30/2020	05/30/2020	12/20/2020	Update schedule.
21	04	Sonoma	37	2.6	Near Vallejo, at east of Route 121. Replace Weigh-in-Motion (WIM) systems.	1A210	0763L	0414000487	201.321	2018-19	04/01/2018	05/01/2019	06/15/2019	09/01/2019	Update schedule.
22	05	Santa Barbara	101	2.6/9.2	In Carpinteria, from Casitas Pass Overcrossing to 0.2 miles north of Sheffield Avenue Undercrossing. Rehabilitate roadway. (G13 Contingency)	1C820	2426	0512000236	201.120	2019-20	11/27/2017	02/05/2019	07/01/2019	10/29/2019	Update schedule.
23	06	Madera	99	R7.5/15.1	In and near Madera from Avenue 12 Overcrossing to 0.9 mile north of Avenue 17 Overcrossing. Additional \$13M from other contribution for the construction of one new lane in each direction. Roadway rehabilitation. (Included in Attachment 2a.)	47090	5335A	0600000973	201.120	2018-19	08/14/2015	05/01/2018	06/01/2018	11/01/2019	Update schedule.
24	07	Los Angeles	1	37.7/62.8	In the cities of Los Angeles and Malibu, from south of Tenescal Canyon Road to Ventura County line; also in Ventura County, from Los Angeles County line to Tonga Street (PM 0.0/0.9). Rehabilitate culverts.	31350	4846	0715000090	201.151	2020-21	04/30/2018	07/02/2020	04/01/2020	08/03/2020	Update schedule.
25	07	Los Angeles	5	R59.7/R73.7	Near Castaic and Valencia, from 0.2 mile north of Lake Hughes Road Undercrossing to 0.7 mile south of Vista Del Lago Road Overcrossing. Cold plane pavement and place Rubberized Hot Mix Asphalt (RHMA) pavement, repair drainage systems, and perform upgrades to overhead signs, drainage curbs and guardrail.	32340	5013	0716000064	201.121	2020-21	10/30/2019	12/30/2020	01/29/2021	04/01/2021	Update schedule.
26	07	Los Angeles	164	1.4/4.0	In and near South El Monte, on Rosemead Boulevard (SR-164) from Gallatin Road to Rush Street. Relinquishment Financial Contribution Only (FCO) to the county of Los Angeles.	33470	5193	0716000345	201.160	2018-19			05/16/2018		Update schedule.
27	07	Los Angeles	210	R41.3/R44.6	In Glendora, at various locations from 0.2 mile east of S. Barranca Avenue Overcrossing to 0.1 mile west of Amelia Avenue Undercrossing. Construct and install various stormwater treatment Best Management Practices (BMPs) including biofiltration swales/strips/trenches, infiltration basins and vault sand filters.	32260	5005	0716000057	201.335	2021-22	01/30/2020	09/06/2021	10/29/2021	05/16/2022	Update schedule.
28	07	Ventura	1	28.2	Near Sea Cliff, at Willow Creek Bridge No. 52-003; also in Ojai, on Route 33 at North Fork Matilija Bridges No. 52-0044 (PM 15.8) and No. 52-0173 (PM16.1). Upgrade bridge railings to meet current standards.	29650	4601	0713000099	201.112	2020-21	11/05/2018	11/01/2020	12/01/2020	07/02/2021	Update schedule.
29	08	Riverside	60	22.1/26.6	Near Beaumont, from Gilman Springs Road to 1.4 miles west of Jack Rabbit Trail. Rehabilitate pavement.	1C090	0033N	0812000287	201.121	2018-19	05/02/2016	02/28/2018	07/02/2018	12/04/2018	Update schedule.

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Index No	Dist	County	Route	Post Mile	Location/Description	EA	PPNO	Project ID	Program Code	FY	Schedule				Comments
											PA&ED	R/W Cert	RTL	Begin Con	
30	08	Riverside	60	22.2/26.6	Near Beaumont, from Gilman Springs Road to 1.4 miles west of Jack Rabbit Trail. Construct left and right shoulders for westbound direction.	0Q180	0045G	0800020220	201.010	2018-19	05/02/2016	02/28/2018	07/02/2018	12/04/2018	Update schedule.
31	08	Riverside	74	50.0/59.0	Near Mountain Center, from east of Black Burn Road to east of McCall Park Road. Permanent restoration of storm damaged culverts and eroded roadway embankment slope. (Included in Attachment 2a.)	1H910	3010G	0817000165	201.131	2020-21	04/15/2019	10/15/2020	11/15/2020	07/15/2021	New carryover fully programmed project.
32	11	San Diego	76	29.3/29.6	Near Pauma Valley, from 0.2 mile west to 0.1 mile east of Pauma Creek Bridge No. 57-0077; also 6.0 miles west of Santa Ysabel, at 1.8 miles west of San Luis Rey River Bridge at the Wigham Creek Culvert (PM 45.3). Remediate fish passage and improve water quality by replacing existing creek crossings with natural bottom bridges. (Included in Attachment 2a.)	42220	1195	1115000179	201.335	2023-24	05/31/2022	03/13/2024	04/18/2024	11/07/2024	New Long Lead project.

Caltrans Response to Public Comments from Northern SHOPP Hearing  
February 28, 2018  
On the proposed 2018 SHOPP

Existing law requires the California Department of Transportation (Caltrans) to prepare and transmit to the California Transportation Commission (Commission), by January 31 of each even year, a four-year State Highway Operation and Protection Program (SHOPP).

The following speaker card was received at the Northern SHOPP.

Speaker Card from Esther Postiglione – California Works

**California Transportation Commission**  
**Speaker Slip**

Tab/Item Number: \_\_\_\_\_  
Reference Number: \_\_\_\_\_  
Date: 2/28/18

Name: Esther Postiglione  
Representing: California Works  
Address: \_\_\_\_\_

Do you desire to be heard at this meeting? Yes  No   
If yes: Do you have a prepared statement? Yes  No   
Do you have 18 copies for the Commission? Yes  No

Remarks: Have complete streets projects reflected in 2018 SHOPP increased by 20% based on 2016 baseline & in accordance w/ SHSMP? Is there an inventory of the specific projects & type.

Caltrans Response:

One of the many objectives that we have to try and look at when we put the SHOPP together is our balance between highway transportation, transit, bike/ped and we take that very seriously. One of the slides that I showed earlier showed the performance at a project level that we are now requiring for all our projects. Every project in the 2018 SHOPP has this performance definition and within that performance definition the number is over 30 different complete streets activities that our districts can define that they are doing. These run the range from putting in new curb ramps to adding sidewalks to building bike lanes to putting in crosswalks. We did some analysis of the 2018 SHOPP projects of those that permit bicycle and pedestrian access; approximately 38 percent of all projects had some element of complete street and there is a very detailed breakdown across the 30-some-odd different activities that are being accomplished and how much of each one is being accomplished. So we are at 38 percent, I don't know off the top of my head what the 2016 baseline number was but I was kind of on the front lines along with Bruce and some of his staff in trying to get the 2016 number. We didn't even have the data to do it. We literally had to go back to all of our districts have them review every planning document

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Reference No. 4.11b  
March 21-22, 2018  
Attachment 3  
**REPLACEMENT ITEM**

for every project in the 2016 SHOPP and evaluate whether complete streets were done. So we are in a much better place today we have the information in a database its quantified by quantity, location information so we...the point that Esther brings up is a good one we are trying to improve in this area as well. We are trying to improve across the board I think that is evidence from where we were two years ago and where we are now It's like night and day better but we are up at thirty-eight percent I think that is a pretty decent percentage of projects that has some element of complete streets in them.