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CALIFORNIA
TRANSPORTATION COMMISSION

CALIFORNIA TRANSPORTATION COMMISSION

Adoption of the 2018 State Highway Operation and Protection Program
March 22, 2018

RESOLUTION G-18-13

1.1 WHEREAS, Government Code section 14526.5(a) requires the California Department of Transportation (Department) to prepare, based on the Transportation Asset Management Plan, a State Highway Operation and Protection Program (SHOPP) containing projects that are necessary to preserve and protect the state highway system; and

1.2 WHEREAS, pursuant to Government Code section 14526.4, the Department, in consultation with the California Transportation Commission (Commission), prepared a Transportation Asset Management Plan consistent with state and federal regulations to guide selection of projects for the SHOPP as required by Section 14526.5; and

1.3 WHEREAS, the Department's Transportation Asset Management Plan is a document assessing the health and condition of the state highway system with which the Department is able to determine the most effective way to apply the state's limited resources; and

1.4 WHEREAS, pursuant to Government Code section 14526.4, in connection with the Transportation Asset Management Plan, the Commission has adopted targets and performance measures reflecting state transportation goals and objectives; and

1.5 WHEREAS, Government Code section 14526.5(b) requires the SHOPP to include those projects for which construction is to begin within four fiscal years, starting July 1 of the year following the year the SHOPP is submitted; and

1.6 WHEREAS, Government Code sections 14526.5(c) and (d) require that each project in the SHOPP specifies the capital and support budget for each phase, the delivery date of each major component and performance matrices as determined by the Commission; and

1.7 WHEREAS, Government Code section 14526.5(d), requires the Department to submit the SHOPP to the Commission not later than January 31 of each even-numbered year, and prior to submitting the SHOPP to the Commission the Department shall make a draft of the SHOPP available to transportation planning agencies for review and comment and shall include the comments in its submittal to the Commission; and

1.8 WHEREAS, Government Code section 14526.5(e) requires the Commission to review the SHOPP relative to its overall adequacy and consistency with the Transportation Asset Management Plan and that the Commission may decline to adopt the SHOPP if the Commission determines that it is not sufficiently consistent with the Transportation Asset Management Plan; and

1.9 WHEREAS, the Department has provided, and the Commission has approved, asset class performance benchmarks based on the 2018 SHOPP investment level to measure progress towards meeting the ten year Transportation Asset Management Plan performance targets; and

1.10 WHEREAS, the performance benchmarks demonstrate the 2018 SHOPP investment and subsequent SHOPP investments are necessary to achieve the 2027 targets adopted by the Commission and as specified in SB 1; and

1.11 WHEREAS, Government Code section 14526.5(e) requires the Commission to adopt the SHOPP and submit it to the Legislature and the Governor not later than April 1 of each even-numbered year; and

1.12 WHEREAS, Government Code section 14526.5(f) requires the Commission, prior to adopting the SHOPP, to hold at least one SHOPP hearing in Northern California and one hearing in Southern California; and

1.13 WHEREAS, the Commission has held the required Northern and Southern SHOPP hearings; and

1.14 WHEREAS, the Commission has reviewed the Proposed 2018 SHOPP relative to its overall adequacy, consistency with the Transportation Asset Management Plan prepared and approved pursuant to Government Code section 14526.4 and funding priorities established in Section 167 of the Streets and Highways Code, the level of annual funding needed to implement the program, and the impact of those expenditures on the State Transportation Improvement Program.

2.1 NOW THEREFORE BE IT RESOLVED, that the Commission finds that the 2018 SHOPP is consistent with the Transportation Asset Management Plan, the funding priorities established in Section 167 of the Streets and Highways Code, the level of annual funding needed to implement the program, and the impact of those expenditures on the State Transportation Improvement Program; and

2.2 BE IT FURTHER RESOLVED, that the Commission hereby adopts the 2018 SHOPP; and

2.3 BE IT FURTHER RESOLVED, that the Commission expects the Department to report annually to the Commission on its progress toward meeting the targets and performance measures adopted by the Commission and established by Senate Bill 1.

STATE HIGHWAY OPERATION AND PROTECTION PROGRAM

2018 SHOPP

FISCAL YEARS

2018-19 through 2021-22

Prepared by the CALIFORNIA DEPARTMENT OF TRANSPORTATION

In accordance with Government Code section 14526.5

CALIFORNIA STATE TRANSPORTATION AGENCY

Adopted by the California Transportation Commission

March 22, 2018

Edmund G. Brown Jr.
Governor, State of California

Brian Annis
Secretary, California State Transportation Agency

Laurie Berman
Director, California Department of Transportation

EXECUTIVE SUMMARY

The 2018 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 mandated project categories such as retrofitting existing SHS facilities to comply with the Americans with Disabilities Act and storm water control requirements. The SHOPP includes funding reservations for projects such as emergency repairs and safety where specific project funding needs cannot be anticipated prior to actual incidents and for particular needs that have a set amount of annual funding. 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. Revenues for the SHOPP are generated by federal and state gas taxes and are fiscally constrained by the State Transportation Improvement Program Fund Estimate (Fund Estimate) that is produced by California Department of Transportation (Caltrans) and adopted by the California Transportation Commission (Commission).

For the 2018 SHOPP, Caltrans will implement $17.96 billion in projects over four years, covering Fiscal Years 2018-19 through 2021-22. A four-year summary of SHOPP investments is provided in Table 2. A more detailed summary is available within the full SHOPP document in Exhibit A and the full listing of projects in Exhibit F. Consistent with Senate Bill 486 (Chapter 917, Statutes of 2014), Caltrans submitted the proposed program of projects to the Commission on January 31, 2018 for Commission review and adoption. The Commission adopted the 2018 SHOPP at their meeting on March 22, 2018. The adopted SHOPP is due for submittal by the Commission to the Governor and the Legislature no later than April 1, 2018.

Senate Bill 486 (SB 486) requires that Caltrans invest SHOPP funds in accordance with the approved Transportation Asset Management Plan (TAMP). Similarly, federal transportation policies are implementing performance based funding criteria and performance targets focused on specific asset classes. The 2018 SHOPP has transitioned to performance driven asset management. For the 2018 SHOPP, the Commission approved four asset classes for the first phase of this transition period: pavement, bridge, culverts and TMS. These asset classes are highlighted in this document and are summarized below in Figure 1.

Figure 1 - 2018 SHOPP Performance Measures

5,576 Lane-miles of pavement improved | *494 Bridges rehabilitated* | *4,334 Culverts rehabilitated* | *5,638 field elements addressed*

With the enactment of Senate Bill 1 (SB 1) (Road Repair and Accountability Act of 2017), additional funding has been made available for transportation investments across the state, including maintenance and repair of highways, local roads, bridges, and transit systems, and to also address the state's most congested corridors and to improve the movement of freight. For the SHOPP, $6.4 billion of programming capacity has been added to the four-year 2018 funding cycle due to SB 1 to help achieve the performance measures identified in Figure 1. For the SHOPP, SB 1 directs Caltrans to focus new highway repair revenue on four primary highway asset classes: pavement, bridge, culverts and TMS. Moreover, as indicated in the 2017 Highway System Management Plan (SHSMP), SB 1 funds both the SHOPP and Maintenance Program expenditures in perpetuity. There is no sunset date for SB 1. Table 1 outlines the ten-year goals to be achieved for the highway system for pavement, bridge, culverts and TMS asset classes.

Table 1 - End of Plan 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 202. 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 element to be in good condition by 2027.

In addition to addressing fix-it-first needs, safety, emergencies, and mandates, SHOPP projects often provide opportunities to address other vital State priorities such as the reduction of transportation related greenhouse gas (GHG) emissions, implementation of Complete Streets elements such as pedestrian and bicycle facilities, and enhancements to wildlife connectivity and fish passages. 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 excellent opportunity to evaluate whether the project can also meet pedestrian and bicycle needs, and if appropriate, to include those elements into the project scope early in the project development process.

The 2018 SHOPP was prepared by Caltrans in accordance with Government Code section 14526.5, Streets and Highways Code section 164.6, and the strategies outlined in Caltrans' Policy for Management of the SHOPP and CTC SHOPP Guidelines. The 2018 SHOPP is the culmination of a multi-year development cycle that began with the identification of SHS rehabilitation needs and priorities for the preparation of the 2017 State Highway System Management Plan (SHSMP), which has both a needs based funding estimate and a fiscally constrained funding estimate. The 2018 SHOPP Project List is also consistent with the 2018 Transportation Asset Management Plan (TAMP) that Caltrans prepared per state and federal requirements. The 2018 TAMP identifies at a broad level the maintenance and capital 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 National Highway System. Not all of the SHS is included in the National Highway System and some of the facilities included in the National Highway System are local roads not on the SHS. The SHOPP only includes projects located on the SHS. The 2018 TAMP is scheduled for consideration and approval at the January 2018 Commission meeting.

An additional component of the SHOPP is a funding program referred to as the Minor Program. For the four years of the 2018 SHOPP, the Minor Program will provide $600 million to Caltrans to implement relatively low cost (less than $ 1.25 million) capital projects that are SHOPP eligible. These funds enable Caltrans to quickly address small-scale needs that are beyond the scope of what the Caltrans Maintenance Program can address but of a scale that does not necessitate an extensive project development process that is required for more costly and complex capital projects. A Minor Program of projects is proposed by Caltrans on an annual basis for Commission approval and the Minor Program funding is included within the SHOPP.

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INTRODUCTION

The 2018 State Highway Operation and Protection Program (SHOPP) was prepared in accordance with Government Code section 14526.5 (Exhibit B), Streets and Highways Code section 164.6, Senate Bill 486 (Chapter 917, Statutes of 2014), Senate Bill 1 (SB 1) (Chapter 5, Statutes of 2017), Interim California Transportation Commission (Commission) SHOPP Guidelines, the 2017 State Highway System Management Plan (SHSMP), the 2018 Transportation Asset Management Plan (TAMP), and the strategies outlined in the California Department of Transportation's (Caltrans) Policy for Management of the SHOPP (Exhibit E). The 2018 SHOPP also addresses related statutes, executive orders, and policies focusing on the reduction of transportation related greenhouse gas emissions, complete streets, wildlife habitat connectivity, and other topics. All statutory requirements were addressed in the development of the 2018 SHOPP.

The SHOPP is the State's "fix-it-first" funding mechanism for the rehabilitation and reconstruction of all state highways and bridges, including Interstate highways; the supporting infrastructure for those facilities such as culverts, traffic operations systems, safety roadside rest areas, and maintenance stations; and most importantly, to address safety and emergency repair needs. The 2018 SHOPP is a four-year program of projects that addresses these needs for fiscal years 2018-19 through 2021-22. SHOPP projects are prohibited from adding additional roadway or highway lanes, though specified auxiliary lanes are eligible for SHOPP funding.

SHOPP PROCESS

The SHOPP portfolio of projects is updated every two years, carrying forward projects programmed in the last two years of the preceding SHOPP and making those last two years of projects the first two years of projects in the new SHOPP as illustrated in Figure 2 below. New projects are programmed in the year Caltrans estimates the projects can be delivered. All projects have a project initiation document (PID) identifying the project's scope, performance measures, estimated capital and support costs, and delivery schedule.

Figure 2 - Relationship between 2016 and 2018 SHOPP Cycles

	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22
2016 SHOPP	**Year 1 Projects**	**Year 2 Projects**	**Year 3 Projects**	**Year 4 Projects**		
			↓	↓		
2018 SHOPP			**Year 1 Projects**	**Year 2 Projects**	**Year 3 Projects**	**Year 4 Projects**

The SHOPP programming cycle has four major elements:

- First, the SHSMP is updated by Caltrans every two years to describe and quantify the rehabilitation and reconstruction needs on the SHS for a ten-year period. The SHSMP has previously been referred to as the Ten-Year SHOPP Plan. The SHSMP is developed by Caltrans and delivered to the Commission for approval by January 31st of each odd-numbered year.
- Second, the TAMP presents the existing inventory and condition of current state highway infrastructure, asset performance targets, financial plans, investment strategies, a risk mitigation plan, life-cycle planning documentation and identified areas of improvement.
- Third, the programming cycle's fiscal capacity is developed by Caltrans and approved by the Commission to issue the State Transportation Improvement Program Fund Estimate (Fund Estimate) that identifies how much funding is forecast to be available each year for the four-year estimate period of the SHOPP. The Commission-adopted 2018 Fund Estimate provides a total available programming capacity of approximately $4.3 billion per year for the 2018 SHOPP four-year period[1].
- And fourth, is the identification of a four-year program of capital projects that respond to the needs identified in the SHSMP, are within the fiscal constraints identified in the Fund Estimate and are selected to achieve the asset performance targets identified in the adopted TAMP. This set of projects constitutes the four-year SHOPP.

Caltrans is required to provide a draft of the SHOPP to Regional Transportation Planning Agencies for their review and comment prior to Caltrans submitting the proposed SHOPP to the Commission. The Commission reviews the submitted SHOPP, holds at least two hearings and may request clarifications or modifications to the document or program of projects. The Commission ultimately adopts the SHOPP upon a finding of consistency with the TAMP and then submits the adopted SHOPP to the Governor and the Legislature by April 1st of even numbered years. Caltrans develops and implements the projects identified in the adopted SHOPP consistent with the scope, schedule and cost of the respective programming documents.

CONSISTENCY WITH THE TRANSPORTATION ASSET MANAGEMENT

The Adopted 2018 SHOPP contains approximately 1,000 projects that cover the four fiscal years 2018-2019 through 2021-2022. Approximately 450 projects, with a dollar value of over $12 billion, specifically address the above referenced four asset classes that enable the Department to make progress in meeting the Commission-adopted and Senate Bill 1 (SB 1) required performance targets for the four asset classes by the year 2027. An analysis was conducted, which included these projects, to establish the approved TAMP benchmarks and to also verify that they are fully consistent with the TAMP. The consistency between the TAMP and the SHOPP is further ensured through a strategic performance management framework implemented by the Department in 2017 as described below.

[1] 2018 State Transportation Improvement Program Fund Estimate, adopted by the California Transportation Commission, August 2017

The 2018 SHOPP was built on the performance-based asset management framework established in the SHSMP and the TAMP[2]. These plans established a strategic approach for achieving performance targets for specific asset classes adopted by the Commission for the SHOPP. The core asset classes of pavement, bridge, culvert and transportation management systems (TMS) have the following specific ten-year performance targets established in SB 1 and the TAMP to ensure accountability for the use of SHOPP funding.

- Pavement – Not less than 98 percent of pavement to be in good or fair condition by 2027
- 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
- Bridges – 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
- TMS Elements – Not less than 90 percent of TMS element to be in good condition by 2027

The performance targets established by SB 1 and adopted by the Commission in the TAMP, under provisions of Senate Bill 486 (SB 486), command a significant investment level that drives the 2018 SHOPP project composition excluding projects for safety, emergency repair and mandated programs.

The SHSMP and TAMP include performance gap analyses that quantify the performance gap between existing conditions and established TAMP performance targets. The performance gap analysis is used to evaluate the trade-offs in performance between competing investment levels and asset classes at a statewide level. The resulting statewide investment plan is presented in the 2017 SHSMP for the SHOPP. The results from the augmented funding provided by SB1 are reflected in the 2017 SHSMP investment plan and 2018 TAMP.

The statewide investment plan specifies expected performance outcomes produced by the funding investments using average unit costs associated with each asset class. The funding allocation methodology has changed from the past to provide greater flexibility to combine various assets into a single project, effectively breaking down the historic silo-based funding approach. This funding change facilitates multi-objective corridor type projects that are expected to be more efficient to deliver and less disruptive to the traveling public.

The Statewide Performance Plan provided the Department with an asset based roadmap, which strongly influenced the selection of projects for the 2018 SHOPP. Caltrans is responsible for defining individual projects over the period that in aggregate achieve the identified performance within the target budget. The aggregate accomplishments of individual projects relative to ongoing asset deterioration determines the degree of change in condition from measured baseline levels. If project

[2] For more information about federal asset management plan guidelines, please visit: https://www.ecfr.gov/cgi-bin/text-idx?SID=a22e4878440eab0b5b001d9c8c0a778b&mc=true&node=pt23.1.515&rgn=div5

accomplishments exceed ongoing deterioration then conditions will improve. During the project portfolio development process, Caltrans incorporates input from stakeholders, subject matter experts and analysis from individual asset managers. The resulting project portfolios are then reviewed to ensure that they accomplish the identified performance goals in the TAMP Performance Plan and are within the established target budgets.

The asset management framework defined above ensures that projects entering into formal project development planning are consistent with the defined performance targets and reflect a needs-based allocation of funding defined in the TAMP. The 2018 SHOPP reflects a transition to performance based asset management strategies. The project composition in the 2018 SHOPP includes a majority of projects that are performance driven in accordance with the TAMP and projects that pre-date the formalized asset management approach. The projects in the 2018 SHOPP were strongly influenced by this asset based planning process which is in alignment with the achievement of the ten-year performance targets.

Collectively the four asset classes represent approximately 70 percent of the total 2018 SHOPP project investment. This investment resulted in project level accomplishments that are included in the benchmark analysis and which make progress toward the 10 year performance targets established by the Commission.

The benchmark analysis presented during the March 2018 Commission meeting demonstrates that the project accomplishments for the 2018 SHOPP and planned future project portfolios will achieve the desired performance targets.

It is through this strategic process that the Department has confidence that the 2018 SHOPP is fully consistent with the TAMP.

2018 SHOPP COMPARISON TO STATE HIGHWAY SYSTEM MANAGEMENT PLAN

Table 2 summarizes 2018 SHOPP projects and planned reservations against the 2017 SHSMP. A detailed summary of the 2018 SHOPP, by fiscal year, is shown in Exhibit B.

Table 2 - Comparison of 2018 SHOPP Programming to the 2017 SHSMP

Fiscal Years 2018-19 through 2021-22

Program Categories	2018 SHOPP Projects & Reservations (in Millions)	40% of 10-yr Constrained 2017 SHSMP* (in Millions)
Primary Assets		
Pavement *	$ 4,827	$ 7,458
Bridge	$ 3,103	$ 2,889
Culverts	$ 928	$ 927
TMS	$ 798	$ 698
Supplementary Assets	$ 748	$ 632
Project Objectives		
Major Damage Restoration	$ 1,451	$ 1,082
Collision Reduction	$ 4,087	$ 2,027
Mandates	$ 643	$ 451
Mobility	$ 367	$ 156
Roadside Preservation	$ 107	$ 129
Protective Betterments	$ 125	$ 57
Multiple Objective	$ 136	$ 6
Minor Program	$ 600	$ 600
Long Lead (New)	$ 40	
Total	**$ 17,960**	**$ 17,114**

Each project in the 2018 SHOPP contains a primary project performance measure. This performance measure represents the primary purpose of the project. Performance measures range from lane-miles of distressed pavement restored for roadway projects to collisions reduced for safety projects. These performance measures are reported in the project listing. Figure 1 in the Executive Summary reports and summarizes the positive impacts the 2018 SHOPP projects will have on the transportation system.

SHOPP DEVELOPMENT AND PLANNING CYCLES

Connected and closely correlated with the SHOPP development cycle is the Planning cycle. Planning is an essential project pre-programming activity whose end product is a Project Initiation Document (PID) for each project prior to inclusion in the SHOPP. The PID identifies the scope, schedule and cost for each capital project and is the basis for determining the amount of funding being requested for each project in the SHOPP. Every project included in the 2018 SHOPP has a completed, approved PID. The selection of projects for PID development is closely tied to the needs identified in the SHSMP and guided by the performance targets documented in the TAMP.

Senate Bill 486[3] required significant changes to the SHOPP and the associated responsibilities of Caltrans and the Commission in developing and approving the SHOPP. Senate Bill 486 required the development and implementation of a robust asset management plan, the inclusion of capital and support budget information for each project in the SHOPP, and the projected delivery milestones by project component. The legislation modified the role of the Commission in approving the SHOPP, increasing the Commission's level of commitment to the SHOPP by upgrading its responsibility to not just approve the SHOPP, but to adopt the SHOPP. Adopting the SHOPP resulted in a higher level of engagement in all aspects of the SHOPP that in the past had been largely handled directly by Caltrans and reported to the Commission in aggregate reporting documents. The Commission is essentially now a co-owner of the SHOPP, though Caltrans retains full responsibility for the development, delivery and construction of the projects included in the SHOPP. The Commission, in consultation and coordination with Caltrans, is reviewing and updating resolutions, guidelines, and processes to fully implement the Commission's increased responsibilities under the provisions of SB 486 and SB 1.

SHOPP FUNDING

The State Highway Account (SHA), Federal Trust Fund (FTF) and Road Maintenance and Rehabilitation Account (RMRA) are the sole funding sources for the SHOPP. Senate Bill 1[4] provides the first significant, stable, and on-going increase in state transportation funding in more than two decades. In providing this funding, the Legislature has provided additional funding to, and increased the Commission's role in a number of existing programs, and created new programs for the Commission to oversee as described below.

SB 1 provides for the deposit of various taxes and fees into the RMRA. Senate Bill 1 replaces the price-based excise tax with the traditional excise tax, effective 2019-20 with annual adjustments for inflation beginning July 1, 2020. SHOPP Guidelines have been adopted to ensure the accountability and transparency outlined in SB 1. Performance measures were incorporated into the CTC SHOPP Guidelines to promote efficiency, accountability, and performance from each dollar invested.

CAPITAL OUTLAY AND CAPITAL OUTLAY SUPPORT

Prior to SB 1, the Commission allocated construction capital for the purposes of construction and of right-of-way purchase costs only. Capital Outlay Support (COS) includes Project Approval and Environmental Document (PA&ED), Plans, Specifications, and Estimate (PS&E), permits, construction and right-of-way engineering, contract administration, and similar costs. Essentially, COS represents staff time associated with the development, delivery, and oversight of construction projects. Effective July 1, 2017, Government Code 14526.5 (g) mandates that SHOPP projects request individual allocations by component from the Commission for environmental analysis and project report (PA&ED), design (PS&E), right-of-way support, construction support, and construction capital phases for each programmed project. Project Objectives are projects that do not fall within the primary or supplementary assets such as safety, emergency, mandates and mobility.

[3] For more information about SB 486, please visit: http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201320140SB486

[4] For more information about SB 1, please visit: http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180SB1

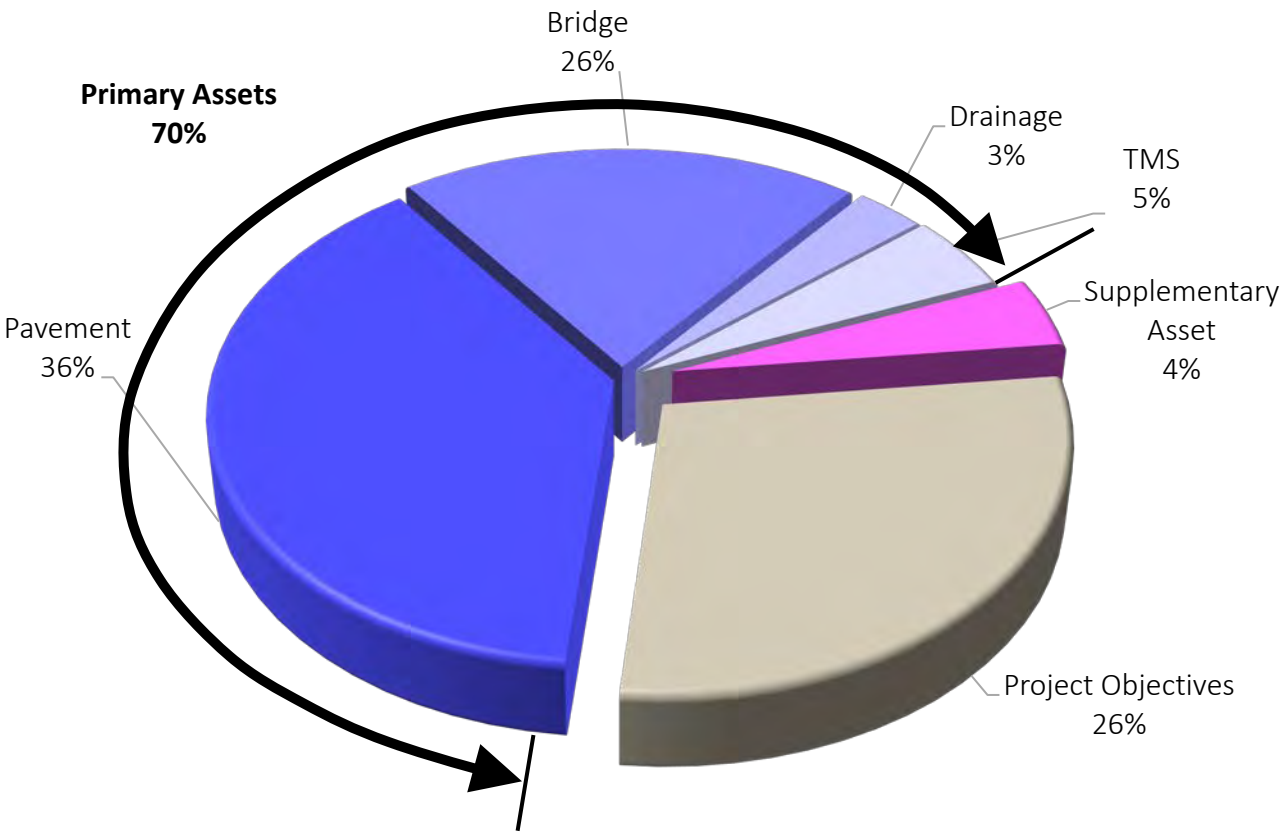

Figure 3 – Percent of Projects in Asset Management Classes

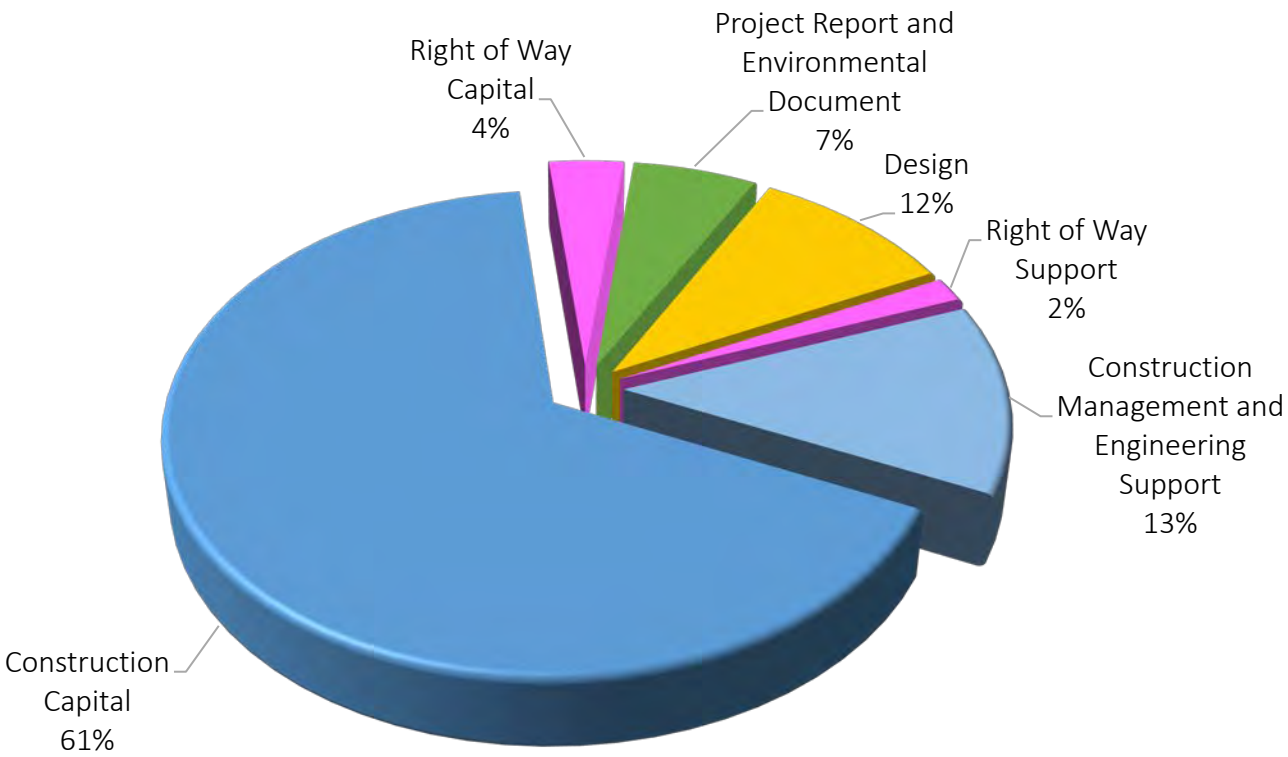

Figure 4 – 2018 SHOPP Distributed Among Project Components

INNOVATION AND SUSTAINABILITY

Senate Bill 1 established new provisions for sustainability and innovation on SHOPP projects. These new provisions, Streets and Highways Code section 2030 subdivision (c)-(f), require Caltrans to use advanced construction technologies and material recycling techniques, and to include technology and communications systems to accommodate zero-emission and autonomous vehicles, wherever feasible and cost effective. In addition, the provisions require Caltrans, wherever feasible, in all projects funded by SB 1, to ensure that transportation assets are protected and will be better adapted to future extreme weather and other climate impacts, as well as to include Complete Streets elements that improve safety for all users.

In addressing these provisions from SB 1, Caltrans is building off of many activities already in practice to utilize sustainable approaches and innovative processes on SHOPP projects. Below are some of the current sustainability and innovation activities underway through SHOPP projects.

- Incorporating recycled materials into asphalt and concrete mixes to extend the life of pavement and reduce the emissions generated in manufacturing the materials, including the pilot use of Environmental Product Declarations to evaluate emissions from construction materials and current research on limestone constituents in pavement mixes.

- Recycling pavement on the job site, to minimize greenhouse gas emissions (GHG) from trucking materials to and from the job site and to eliminate waste.
- Using reflective sign sheeting to eliminate the need for lighting.
- Specifying Light Emitting Diode (LED) traffic signals and highway lighting, which can reduce energy consumption by up to 50 percent.
- Deploying SMART Irrigation Controllers to tailor water usage for landscaping based on weather conditions in order to conserve water.
- Using recycled water for roadside landscape watering where possible.
- Designing projects with functional landscaping features that collect storm water and reduce urban heat island effects.
- Installation of electric vehicle fast-charging stations at Caltrans-owned sites.
- Updating the project development process to track progress toward designing projects that include pedestrian and bicycle facilities.
- Some facility improvements that reduce the energy, water, and materials consumed in Caltrans' buildings and operations.

LONG LEAD AND CONTINGENCY PROGRAMMING

Long Lead and Contingency projects help ensure that the State fully utilizes its available federal transportation funding. On June 15, 2000, Commission resolution G-00-13 provided Caltrans with a means to commence project delivery efforts on SHOPP Long Lead projects, which require more than four years to develop due to complex environmental and preliminary engineering work.

The Commission further authorized Caltrans to program Contingency projects for preliminary engineering development only, when appropriate, thus creating projects that address performance goals without committing SHOPP resources to construction capital and support prematurely, before the resources are actually needed. This enables the maximum currently available capital funding to be dedicated to projects that are ready for construction rather than having funding held aside for years as complex projects get ready for construction. The 2018 SHOPP contains 27 contingency projects, valued at $3.0 billion, as shown in Exhibit F. A shovel-ready contingency project can quickly be proposed for funding should additional transportation revenues be provided, or to replace a project that is delayed or otherwise reduced in cost, making funding available within the fiscally constrained Fund Estimate period. The 2018 SHOPP contains 29 Long Lead projects, valued at $2.3 billion. These projects require complex environmental and preliminary engineering work, taking more than four-years to complete as shown in Exhibit G.

COMPLETE STREETS – MEETING THE NEEDS OF ALL MODES

Caltrans incorporates its Complete Streets policy into practice in all project phases from transportation planning to asset management and project delivery. Caltrans uses a Complete Streets approach to design projects from the user's perspective, taking into consideration a facility's condition and surrounding destinations. This comprehensive process requires the multi-disciplinary Project Nomination Scoping Teams to identify and evaluate solutions for various transportation needs and to incorporate resulting and appropriate SHOPP eligible components into the SHOPP project scope.

RESERVATIONS

The 2018 SHOPP includes reservations that fund both Capital Outlay and Capital Outlay Support that are based on historical expenditures for emergency repairs, safety projects, and other unforeseen immediate needs. These needs occur between programming cycles and these reservations allow Caltrans to bring the projects to the Commission for amendment into the SHOPP between bi-annual programming cycles.

REGIONAL TRANSPORTATION PLANNING AGENCY COORDINATION

In 2013, the Self-Help Counties Coalition suggested enhanced communication and coordination in the SHOPP program development process. Specifically, the focus was on earlier information regarding what SHOPP projects are being proposed, programmed, and ultimately delivered. Caltrans developed three specific action steps to enhance earlier communications, covering planning, programming and delivery. These steps are in addition to statutory requirements that direct Caltrans to provide the draft SHOPP to transportation agencies for an opportunity to review and comment.

- **Planning Process:** Caltrans will present the SHSMP to the Regional Transportation Planning Agencies (RTPA) at an RTPA meeting so these stakeholders are aware of both the overall statewide needs and the estimated funding levels. Caltrans Districts will share their two-year PID work plan list of projects that will be candidates for the next SHOPP programming cycle. This is the opportunity to coordinate proposed SHOPP projects with regionally-funded projects in order to synchronize timeframes, maximize benefits, and minimize impacts to the traveling public.
- **Programming Process:** In the summer of odd years, Caltrans will present information to RTPAs concerning the timing and framework for development of the upcoming SHOPP. Districts should share with the regions which projects they will be submitting as candidate projects for the upcoming SHOPP. This is a second opportunity to coordinate and confer with local partners to synchronize timeframes, maximize benefits and minimize impacts to the traveling public. The Division of Transportation Programming will circulate the proposed four-year program of projects to the RTPAs for review and comment. In addition, the Programming Division Chief will present the proposed four-year program at the RTPA meeting. Comments received will be incorporated into the final SHOPP programming document.

- **Status Updates:** Districts will update the RTPA's on a quarterly or semi-annual basis on (1) the list and status of PID projects being developed as well as, (2) the status of funded SHOPP projects currently in delivery. At a minimum, Districts will provide a summary-level status of project delivery on all currently programmed SHOPP projects semiannually.

In December 2017, the draft 2018 SHOPP was provided to regional transportation partners. Eight agencies commented. Caltrans will further expand its SHOPP engagement efforts as it develops the 2019 SHSMP and the subsequent 2020 SHOPP. Formal comments received regarding the draft 2018 SHOPP and Caltrans responses are provided in Exhibit D.

PROJECT LISTINGS

2018 SHOPP projects are listed by County in Exhibit F. Projects are sorted into the following eight categories for each county:

1. Major Damage Restoration
2. Collision Reduction
3. Mandates
4. Bridge Preservation
5. Roadway Preservation
6. Mobility
7. Roadside Preservation
8. Facilities

DESCRIPTION OF EXHIBITS

Exhibit A: 2018 SHOPP Funding Summary

Exhibit B: California Government Code section 14526

Exhibit C: Abbreviations and Acronyms

Exhibit D: 2018 SHOPP Regional Transportation Planning Agency Comments
Comments Received and Caltrans Responses

Exhibit E: Policy for Management of the SHOPP
Interim SHOPP Guidelines

Exhibit F: 2018 SHOPP County Listing of Projects

Exhibit G: 2018 SHOPP Long Lead Projects
List of projects Caltrans will begin environmental work on now to deliver projects in subsequent SHOPP cycles.

Exhibit H: Pre-2018 SHOPP Projects
Projects allocated in prior SHOPP documents that have not achieved final acceptance.

Exhibit I: Northern and Southern SHOPP Hearing Public Comments

Exhibit J: Commission Adoption of the 2018 SHOPP Program Resolution G-18-13

EXHIBIT A: 2018 SHOPP Funding Summary (Fiscal Years 2018-19 through 2021-22)

Program Funding	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**Total**
2018 Fund Estimate	$ 2,600	$ 2,700	$ 2,800	$ 2,900	$ 11,000
New SHOPP Capacity (RMRA)	$ 1,600	$ 1,600	$ 1,600	$ 1,600	$ 6,400
ER Reimbursement	$ 140	$ 140	$ 140	$ 140	$ 560
Programmed	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**Total**
Pavement	$ 1,354	$ 822	$ 556	$ 1,077	$ 3,808
Bridge	$ 566	$ 932	$ 454	$ 886	$ 2,838
Culverts	$ 62	$ 211	$ 95	$ 140	$ 508
TMS	$ 183	$ 254	$ 230	$ 132	$ 798
Supplementary Assets	$ 195	$ 136	$ 91	$ 326	$ 748
Major Damage Restoration	$ 37	$ 214	$ 108	$ 59	$ 418
Collision Reduction	$ 865	$ 1,193	$ 309	$ 582	$ 2,950
Mandates	$ 113	$ 116	$ 97	$ 269	$ 595
Mobility	$ 50	$ 103	$ 23	$ 190	$ 367
Roadside Preservation	$ 33	$ 14	$ 53	$ 7	$ 107
Protective Betterments	$ 31	$ 22	$ 24	$ 48	$ 125
Multiple Objective	$ 5	$ 5	$ 21	$ 105	$ 136
Subtotal	**$ 3,494**	**$ 4,022**	**$ 2,060**	**$ 3,822**	**$ 13,398**
Reserved	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**Total**
Pavement	$ -	$ -	$ 998	$ 21	$ 1,019
Bridge	$ 41	$ 41	$ 141	$ 41	$ 264
Culverts	$ -	$ -	$ 400	$ 20	$ 420
TMS	$ -	$ -	$ -	$ -	$ -
Supplementary Assets	$ -	$ -	$ -	$ -	$ -
Major Damage Restoration	$ 385	$ 169	$ 240	$ 240	$ 1,034
Collision Reduction	$ 218	$ 47	$ 539	$ 333	$ 1,137
Mandates	$ 12	$ 12	$ 12	$ 12	$ 48
Mobility	$ -	$ -	$ -	$ -	$ -
Roadside Preservation	$ -	$ -	$ -	$ 1	$ 1
Protective Betterments	$ -	$ -	$ -	$ -	$ -
Multiple Objective	$ -	$ -	$ -	$ -	$ -
Subtotal	**$ 656**	**$ 269**	**$ 2,330**	**$ 668**	**$ 3,923**
Programmed and Reserved	**2018-19**	**2019-20**	**2020-21**	**2021-22**	**Total**
Pavement	$ 1,354	$ 822	$ 1,554	$ 1,098	$ 4,827
Bridge	$ 607	$ 973	$ 596	$ 927	$ 3,103
Culverts	$ 62	$ 211	$ 495	$ 160	$ 928
TMS	$ 183	$ 254	$ 230	$ 132	$ 798
Supplementary Assets	$ 195	$ 136	$ 91	$ 326	$ 748
Major Damage Restoration	$ 422	$ 383	$ 348	$ 299	$ 1,451
Collision Reduction	$ 1,083	$ 1,240	$ 848	$ 916	$ 4,087
Mandates	$ 125	$ 128	$ 109	$ 281	$ 643
Mobility	$ 50	$ 103	$ 23	$ 190	$ 367
Roadside Preservation	$ 33	$ 14	$ 53	$ 8	$ 108
Protective Betterments	$ 31	$ 22	$ 24	$ 48	$ 125
Multiple Objective	$ 5	$ 5	$ 21	$ 105	$ 136
Minor Program Reservation	$ 150	$ 150	$ 150	$ 150	$ 600
Long Lead (New)	$ 40	$ -	$ -	$ -	$ 40
Total	**$ 4,340**	**$ 4,440**	**$ 4,540**	**$ 4,640**	**$ 17,960**

Note: The SHOPP is developed in millions and rounded for this table. Numbers may not add due to rounding.

State Highway Operation and Protection Program Fund Reservations

The following reservations are being held to allow funding to achieve anticipated needs that will require action, but where specific projects have not yet been defined.

Major Damage Restoration:

Reservations are for unforeseen Major Damage Restoration (201.130) projects and Permanent Restoration (201.131) projects.

Collision Reduction:

Reservations are for Safety Improvement (201.010) projects.

Mandates:

Reservations are for Relinquishment (201.160) projects to transfer ownership of state highways primarily serving local jurisdictions to those local jurisdictions, Rail Road Grade Crossing Program (201.325) projects as prioritized by the Public Utilities Commission, Hazardous Waste Mitigation (201.330) projects not associated with a programmed State Highway Operation and Protection Program (SHOPP) or State Transportation Improvement Program (STIP) projects.

Bridge Preservation:

Reservations are for Bridge Preservation (201.119) projects to minimize the need for future bridge rehabilitation.

Roadside Preservation:

Reservations are for Surface Mining and Reclamation Act obligations.

Minor Program:

An annual reservation is held for the Minor program. The SHOPP Minor Program is an annual program to address short-term low cost project needs. In developing their annual portfolio of minor projects, each Caltrans District sets priorities and selects projects appropriate to the region's needs.

Primary Assets

A reservation has been established to address performance shortfalls in targeted regions for pavement performance, TMS detector health, culvert conditions and bridge health. Criteria for the prioritization and selection of these projects which will rehabilitate/replace poor condition culverts, pavement condition and bridge health.

EXHIBIT B: California Government Code section 14526

CHAPTER 2. Duties [14520 – 14534.1] (*Chapter 2 added by Stats. 1977, Ch. 1106.*)

14526.5. (a) Based on the asset management plan prepared and approved pursuant to Section 14526.4, the department shall prepare a state highway operation and protection program for the expenditure of transportation funds for major capital improvements that are necessary to preserve and protect the state highway system. Projects included in the program shall be limited to improvements relative to the maintenance, safety, operation, and rehabilitation of state highways and bridges that do not add a new traffic lane to the system.

(b) The program shall include projects that are expected to be advertised prior to July 1 of the year following submission of the program, but which have not yet been funded. The program shall include those projects for which construction is to begin within four fiscal years, starting July 1 of the year following the year the program is submitted.

(c) (1) The department, at a minimum, shall specify, for each project in the state highway operation and protection program, the capital and support budget, as applicable, for each of the following project phases:

(A) Project approval and environmental documents, support only.

(B) Plans, specifications, and estimates, support only.

(C) Rights-of-way.

(D) Construction.

(2) The department shall specify, for each project in the state highway operation and protection program, a projected delivery date for each of the following components:

(A) Project approval and environmental document completion.

(B) Plans, specifications, and estimates completion.

(C) Right-of-way certification.

(D) Start of construction.

(d) The department shall submit its proposed program to the commission not later than January 31 of each even-numbered year. Prior to submitting its proposed program, the department shall make a draft of its proposed program available to transportation planning agencies for review and comment and shall include the comments in its submittal to the commission. The department shall provide the commission with detailed information for all programmed projects on cost, scope, schedule, and performance metrics as determined by the commission.

(e) The commission shall review the proposed program relative to its overall adequacy, consistency with the asset management plan prepared and approved pursuant to Section 14526.4 and funding priorities established in Section 167 of the Streets and Highways Code, the level of annual funding

needed to implement the program, and the impact of those expenditures on the state transportation improvement program. The commission shall adopt the program and submit it to the Legislature and the Governor not later than April 1 of each even-numbered year. The commission may decline to adopt the program if the commission determines that the program is not sufficiently consistent with the asset management plan prepared and approved pursuant to Section 14526.4.

(f) As part of the commission's review of the program required pursuant to subdivision (a), the commission shall hold at least one hearing in northern California and one hearing in southern California regarding the proposed program.

(g) On or after July 1, 2017, to provide sufficient and transparent oversight of the department's capital outlay support resources composed of both state staff and contractors, the commission shall be required to allocate the department's capital outlay support resources by project phase, including preconstruction. Through this action, the commission will provide public transparency for the department's budget estimates, increasing assurance that the annual budget forecast is reasonable. The commission shall develop guidelines, in consultation with the department, to implement this subdivision. Guidelines adopted by the commission to implement this subdivision shall be exempt from the Administrative Procedure Act (Chapter 3.5 (commencing with Section 11340) of Part 1).

(h) Beginning July 1, 2017, for a project that experiences increases in capital or support costs above the amounts in the commission's allocation pursuant to subdivision (g), the commission shall establish a threshold for requiring a supplemental project allocation. The commission's guidelines adopted pursuant to subdivision (g) shall also establish the threshold that the commission determines is necessary to ensure efficiency and may provide exceptions as necessary so that projects are not unnecessarily delayed.

(i) The department, for each project requiring a supplemental project allocation pursuant to subdivision

(h), shall submit a request to the commission for its approval.

(j) Expenditures for these projects shall not be subject to Sections 188 and 188.8 of the Streets and Highways Code.

(Amended by Stats. 2017, Ch. 5, Sec. 6. Effective April 28, 2017.)

14526.7. (a) The department shall incorporate the performance targets in subdivision (n) of Section 1 of the act adding this section into the asset management plan adopted by the commission and targets adopted by the commission pursuant to Sections 14526.4 and 14526.5. The asset management plan shall also include targets adopted by the commission in consultation with the department for each asset class included in subdivision (n) of Section 1 of the act adding this section to measure the degree to which progress was made towards achieving the overall 2027 targets. Targets may be modified by the commission as needed to conform to federal regulation on performance measures and the completion of the department's asset management plan. Nothing in this section precludes the commission from adopting additional targets and performance measures pursuant to paragraph (1) of subdivision (c) of Section 14526.4.

(b) As specified by guidelines adopted by the commission, the department shall report to the commission on its progress toward meeting the targets and performance measures established for state highways pursuant to subdivision (n) of Section 1 of the act adding this section and paragraph (1) of subdivision (c) of Section 14526.4.

(Added by Stats. 2017, Ch. 5, Sec. 7. Effective April 28, 2017.)

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EXHIBIT C: Abbreviations and Acronyms

ADA	Americans with Disabilities Act
Caltrans	California Department of Transportation
COS	Capital Outlay Support
CEQA	California Environmental Quality Act
Commission or CTC	California Transportation Commission
FTF	Federal Highway Trust Fund
Fund Estimate	State Transportation Improvement Program Fund Estimate
GHG	Greenhouse Gas
LED	Light Emitting Diode
NEPA	National Environmental Protection Act
PA&ED	Project Approval and Environmental Document - Environmental
PID	Project Initiation Document
Proposition 1B	Highway Safety, Traffic Reduction, Air Quality, and Port Security Bond Act of 2006
PS&E	Plans, Specifications, and Estimate
R/W	Right-of-Way
RMRA	Road Maintenance and Rehabilitation Account
RTPA	Regional Transportation Planning Agency
SB 1	Senate Bill 1
SB 486	Senate Bill 486
SHA	State Highway Account
SHOPP	State Highway Operation and Protection Program
SHS	State Highway System
SHSMP	State Highway System Management Plan
STIP	State Transportation Improvement Program
TAMP	Transportation Asset Management Plan
TMS	Transportation Management System

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EXHIBIT D: 2018 SHOPP Regional Transportation Planning Agency Comments

AGENCY COMMENTING	PAGE NUMBER
Calaveras Council of Governments	1
City of West Sacramento	5
Contra Costa Transportation Authority	6
Del Norte Local Transportation Commission	11
Metropolitan Transportation Commission	13
Orange County Transportation Authority	18
Pechanga Indian Reservation – Temecula Band of Luiseño Mission Indians	23
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CALAVERAS COUNCIL of GOVERNMENTS

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San Andreas, CA 95249
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info@calacog.org
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December 29, 2017

Donna M. Berry, Office Chief
Caltrans State Highway Operation and Protection Program (SHOPP)

Re: Review and Comment on the 2018 SHOPP Calaveras Project List

Dear Ms. Berry:

The Calaveras Council of Governments (CCOG) appreciates the opportunity to review the Draft 2018 SHOPP project list for the Calaveras County region. The CCOG recognizes the challenges facing Caltrans and our local leaders as safety and operational needs expand amongst a landscape of competing priorities. We support the continued commitment of Caltrans towards a safe and efficient multimodal transportation system for all users.

The Calaveras County region would like to thank Caltrans and District 10 for recommending multiple projects for the Calaveras region in the 2018 SHOPP. The CCOG further appreciates the District's coordination with our local agencies, specifically in regard to the recently completed SHOPP project on State Route 26 in Valley Springs at the intersection of Vista Del Lago Drive.

The CCOG hopes Caltrans will consider the following comments on the 2018 Draft SHOPP list for Calaveras County:

1. **Inclusion of the SHOPP Asset Management Pilot Funds for State Route 4 Wagon Trail Road Realignment Project**

   In January of 2016 Caltrans District 10 secured a State Highway Operations and Protection Program (SHOPP) Asset Management Pilot Program award in the amount of $10.325 million for construction of the SR 4 Realignment Project (Wagon Trail) in Calaveras County. The Pilot Program will leverage Regional Improvement Program (RIP) funds necessary to secure a coordinated meaningful construction project on SR 4. It is the goal of Calaveras COG and Caltrans District 10 to align the RIP funding in the Calaveras region's 2018 RTIP with the Asset Management Pilot Project in the 2018 SHOPP, so that construction of the SR 4 Wagon Trail Realignment Project can begin in FY 20/21.

   The SHOPP Pilot funds of $10.325 million have been programmed in FY 20/21 in the FSTIP (Amendment No. 8, 05/10/17) for this project and is being proposed for the CCOG 2018 RTIP to complete a meaningful construction project in FY 20/21. Calaveras Council

of Governments has been working closely with Caltrans District 10 on the Wagon Trail Project. As part of the past several RTIP cycles, Calaveras COG staff has met with Caltrans District 10 to review the project need and scope and discuss STIP Programming and other funding options. The CCOG is appreciative of the District's efforts in securing SHOPP funds to leverage our local and regional funds committed to this priority State Highway project.

The Calaveras COG requests Caltrans Office of SHOPP to coordinate with District 10 staff in programming the $10.325 in the 2018 SHOPP so a meaningful phase of the SR 4 Wagon Trail project can be delivered in FY 20/21, as recommended in the CCOG 2018 RTIP.

Project Background

The Wagon Trail project is a 6.1 mile segment of State Route 4 between Copperopolis and Angels Camp in Calaveras County. The overall project will realign State Route 4 to provide operational and safety enhancements such as standard 12' travel lanes with 8' paved shoulders and alignments consistent with the design speed for a controlled access highway.

This section of State Route 4 is on a non-engineered alignment and follows the mountainous topography resulting in inadequate sight distance and non-standard vertical and horizontal alignments that bring the operational speed down to 15mph in some areas. The existing lane width (10') and lack of roadside shoulders are non-standard and are likely contributing factors to the accident rate for this segment that is nearly two times the state average for a similar facility.

State Route 4 is one of the primary east-west routes in and out of Calaveras County and making it a reliable route is critical in emergency situations such as the fires we endured in 2015. As such, the Wagon Trail project is the top priority construction project for the Calaveras region and has been prioritized for funding in the last two cycles of the Calaveras County Regional Transportation Improvement Program (RTIP).

Project Approval and Environmental Documentation phase was completed in February of 2017 and approved by CTC for future funding. This enabled the region to seek and receive an allocation vote of PS&E funds (final design) from the California Transportation Commission in FY 17/18. A right-of-way allocation would be requested in FY 18/19, if the 2018 RTIP is accepted by the CTC. Procurement of right of way needed for the project would be completed in May 2019. Construction is scheduled to begin in fiscal year 20/21.

The environmental document identified a preferred alignment. The project team was able to identify multiple construction phases of the preferred alignment to be able to build constructible segments as funding becomes available. The CCOG is committed to developing a funding strategy to efficiently deliver this project. With limited local and regional funding, the CCOG is ready to partner with Caltrans to develop and fund SHOPP eligible segments of the Wagon Trail project.

2. **Project # 10-Calaveras-4, 29.2/29.4, 3245, 1017000006 – Near Murphys, from Pennsylvania Gulch Road to Main Street/Lawrence Street. Traffic Operational Improvements.**

Calaveras COG appreciates inclusion of this project in the Draft 2018 SHOPP list. This is a necessary operational and safety improvement for the community of Murphys. The proposed project would add a two-way left-hand turn lane for a segment of SR 4 through the town of Murphys from Pennsyvania Gulch Road to Main Street. Currently there are no pedestrian or bicycle facilities through the proposed project limits, which is a critical connection from the Michelson Elementary School and other destinations such as community park, hotel and other businesses, to the community's core residential neighborhood and commercial district.

The CCOG encourages Caltrans to consider inclusion of Complete Streets infrastructure or design for accommodation of future infrastructure, such as sidewalks during development of this project. The County and CCOG is currently conducting a planning study, in partnership with Caltrans, to develop conceptual level designs for "main street" improvements along this corridor to improve safety for all modes of travel and seeks to coordinate with Caltrans on this SHOPP project.

Thank you again for seeking our input with this matter. Should you have any questions, please contact me at (209) 754-2094 or at acollins@calacog.org.

Sincerely,

Amber Collins

Amber Collins
Executive Director

c: Dennis Agar, Caltrans District 10 Director

Caltrans Response to Calaveras Council Governments

Thank you for your response to Caltrans' request for comments on the Draft 2018 SHOPP Project List.

The project Wagon Trail project located in Calaveras County on State Route 4, PM 29.2/29.4 near Murphy, from Pennsylvania Gulch Road to Main Street/Lawrence Street (EA 10-0W870) is proposed 2018 SHOPP project. District 10 will continue to work closely with Calaveras Council of Governments through the project development process.

Comments submitted via online survey

What is your first and last name? Denix Anbiah

What is your email address? denixa@cityofwestsacramento.org

What is your phone number? (Optional) (916) 617-4850

Please indicate the Agency you represent. City of West Sacramento

2018 State Highway Operations and Protection Program Public Comments

Thank you for the opportunity to comment on the Draft 2018 SHOPP List of Projects. We appreciate Caltrans' commitment to rehabilitating and improving the State Highway System routes in Yolo County. We particularly appreciate the Draft 2018 SHOPP Project List that includes approximately $4 billion in projects for fiscal years 2018-2019 through 2021-2022. We understand that these projects will address safety, emergency, mandates, and fix-it-first needs. However, we are concerned that the rehabilitation for Interstate 80 (I-80) and US 50 (EA 03-4F650K) was not included in the Draft 2018 SHOPP Project List. The Pavement Condition Survey for this section of road shows major distress and an unacceptable ride. I-80 and US 50 serve as major trade, commute and tourism routes for Yolo County and the Greater Sacramento Region. Also, I-80, being on the National Freight System, provides critical access to the Port of Oakland, the Port of West Sacramento, and serves as an important link for people and goods from the San Francisco Bay Area all the way to the East Coast.

Also it is important to note that Yolo County Transportation District (YCTD) in partnership with Caltrans has applied to FHWA for the federal INFRA grant to do the HOV project within the same project limits. Combining these projects saves a significant amount of money for the tax payers and minimizes the interruption to the traffic.

We therefore urgently request that Caltrans reconsider its position on this important project.

Caltrans Response to City of West Sacramento

The Yolo County pavement rehabilitation project (03-4F650) described as "*In and near West Sacramento, from east of Mace Boulevard to Sacramento River Bridge; also on Route 50, from Route 80 to Jefferson Boulevard Overcrossing (PM 0.0/2.5). Rehabilitate pavement by placing Continuous Reinforced Concrete, rehabilitate bridge decks, median widening at three locations, upgrade bridge railings, and construct an auxiliary lane.*" This project is incorporated into the 2018 SHOPP as a Long Lead project.

CONTRA COSTA
transportation
authority

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Randell H. Iwasaki, Executive Director

December 21, 2017

Bijan Sartipi, P.E.
District Director
Caltrans, District 4
111 Grand Avenue
Oakland, CA 94607

Subject: Request for funding from State Highway Operations and Protection Program

Dear Mr. Sartipi:

With the advent of Senate Bill 1 (SB1), the State Highway Operations and Protection Program (SHOPP) provides opportunities to deliver critical infrastructure improvements to the State Highway System. The 2018 SHOPP and 10-Year SHOPP is estimated to be $2.4 and $5.2 billion, respectively, for Caltrans District 4. This available funding provides opportunities to collaborate between Caltrans and Congestion Management Agencies to deliver priority projects.

2018 SHOPP

The Contra Costa Transportation Authority (CCTA) appreciates the opportunity to review the 2018 SHOPP and appreciate inclusion of pavement rehabilitation projects on SR 242, SR 4 and I-80. CCTA is requesting active coordination with our ongoing projects such as SR 4 Operational Improvements and I-680/ SR 4 Interchange Improvements within the limits of these pavement rehabilitation projects.

CCTA has identified the following important SHOPP eligible projects for Caltrans consideration to program in the 2018 SHOPP.

I-680/SR4 – Phase 3: The project will widen SR 4 from 4 to 6 lanes for approximately 4 miles, including the addition of approximately 2 miles of HOV lane in the eastbound direction. The most significant benefit of the project will be improved safety and operations at the interchange. SHOPP eligible items include Bridge Replacement, Seismic Retrofit, Pavement Replacement, and Safety Lighting. Project costs have increased significantly as a result of needed replacement of existing infrastructure, environmental mitigation and escalating construction costs.

Total Cost	$128 million
Committed Funding	$57.4 million
Shortfall	$70.6 million
SHOPP Request	$66 million

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Total Cost (Ramp Metering)	$41 million
Committed Funding	$6 million
Shortfall	$35 million
SHOPP Request	$35 million

Innovate 680: As part of seven pronged approach to improve mobility on the 8th most congested corridor in the Bay Area, the Authority will be undertaking project development activities on four projects on I-680: 1) Extending HOV lane on Northbound (NB) I-680 and completing hot spot improvements between Livorna Road and SR242, 2) Bus on Shoulders between Alcosta Blvd and Ygnacio Valley Road, 3) Advanced Technology project which includes implementing innovative operational strategies and preparing the corridor for connected/autonomous vehicle, and 4) Improved transit service in corridor. The "Advanced Technology" project includes the installation of adaptive ramp metering on I-680 in Contra Costa. Ramp metering is an eligible SHOPP project cost. The current estimated cost for the ramp metering including support costs is $35 million.

Total Cost	$81 million
Committed Funding	$16 million
Shortfall	$65 million
SHOPP Request	$65 million

I-80 San Pablo Dam Road Interchange – Phase 2: San Pablo Dam Road is a route of regional significance as it provides a connection between State Route 24 and Interstate 80. In addition, I-80 is a route on the Primary Highway Freight System. Due to its non-standard vertical clearance, the San Pablo Dam Road overcrossing has been hit repeatedly by trucks resulting in at least one fatality. In addition, there are no shoulders under the overcrossing as the bridge abutment is at the edge of the travel lane. Now that CCTA has substantially completed Phase 1, we are seeking Caltrans assistance in funding Phase 2. Unlike the identified SHOPP bridge replacement projects at Ashby Avenue, University Avenue, and the Maze, this project has been environmentally cleared and 65% design plans are complete. Furthermore, right-of-way (ROW) funding is currently programmed in the STIP. The entire project is SHOPP eligible since it consists of bridge replacement and operational improvements.

Total Cost	$69 million
Committed Funding	$12 million
Shortfall	$57 million
SHOPP Request	$57 million

State Route 4 Operational Improvements: The project initiation document on this 10th worst commute in the Bay Area was completed in May 2017. The initial phase of the project involves the addition of auxiliary lanes between Port Chicago Highway interchange and Willow Pass Road interchange, extending the auxiliary lane from Willow Pass Road off-ramp to Willow Road on-ramp, and adding a second exit lane at San Marco Blvd off-ramp. Since the proposed improvements are operational in nature they are eligible for SHOPP funds.

SR4 West Gap

Although the project was constructed some time ago, it was discovered recently that a drainage ditch was not built according to the project plans. We request Caltrans to correct this situation as soon as possible. Caltrans administered the construction contract for the segment of the project. Estimated cost for the correction is likely to be less than $100,000.

I-680 Safety Lighting

Most recently, CCTA was requested by Caltrans to include safety lighting improvements in the vicinity of the I-680/SR 24 interchange, as part of the I-680 HOV/Express Lane project in the southbound direction. We request Caltrans to provide SHOPP funding for such upgrades or completing such improvements as a stand-alone SHOPP project.

Caldecott Tunnel Lighting and Improvements

CCTA requests considering a project to improve lighting in the Caldecott Tunnel along eastbound SR 24 as it may help reduce traffic slowdowns at the entrance of the tunnel. Other safety improvements may also be needed.

10-Year SHOPP

CCTA has identified the following important SHOPP eligible projects for Caltrans consideration to program in the 10-Year SHOPP.

Eastbound (EB) I-80 at Pinole Valley Road: Add/extend auxiliary lane from Pinole Valley Road on-ramp to EB I-80 to address vehicles accelerating uphill after stopping at ramp-meter.

Total Cost	$10 million
Committed Funding	--
Shortfall	$10 million
SHOPP Request	$10 million

EB SR 24 between Wilder Road to Camino Pablo: Construct auxiliary lane along EB SR 24 from on-ramp at Wilder Road to downtown Orinda off-ramp at Moraga Road/Camino Pablo/Brookwood Road.

Total Cost	$7 million
Committed Funding	--
Shortfall	$7 million
SHOPP Request	$7 million

As projects progress further in the project development phases, the Authority will be requesting SHOPP funding for eligible items on future phases of I-680/SR 4 Interchange, SR 4 Operational Improvements, and Innovate 680.

The Authority appreciates your consideration to program these projects into the 2018 SHOPP and 10-Year SHOPP. Please contact our organization if you have any questions or require additional information at (925) 256-4724.

Sincerely,

Randell H. Iwasaki, P.E.
Executive Director

Caltrans Response to Contra Costa Transportation Authority:

Thank you for your letter on the Draft 2018 State Highway Operation and Protection Program (SHOPP) for the transportation improvements in Contra Costa County.

The SHOPP is fiscally constrained program that prioritize and funds projects that protect, preserve and rehabilitate State Highway System infrastructure to meet safety, emergency, mandates, and fix-it-first needs. Furthermore, the projects funded in SHOPP do not add capacity as new lanes.

The Contra Costa bridge project (04-22913) described as *"Near Martinez, at Grayson Creek Bridge No. 28-0066 R/L. Replace bridges by Financial Contribution Only to Contra Costa Transportation Authority."* is incorporated into the 2018 SHOPP and proposed for programming in FY 2018-19.

As individual SHOPP projects are developed, we will continue to work with you to consider opportunities to integrate your proposed improvements if feasible.

Caltrans appreciates your feedback and will continue to collaborate with CCTA to deliver transportation improvements in Contra Costa County.

900 Northcrest Drive, PMB 16
Crescent City, California 95531
www.dnltc.org

Del Norte Local Transportation Commission

Tamera Leighton, Executive Director
Tamera@DNLTC.org
Desk: (707) 465-3378
Cell: (707) 213-6424

January 1, 2018

Bruce De Terra, Chief
Division of Transportation Programming
P.O. BOX 942873, MS-82
Sacramento, CA 94273-0001

RE: Draft 2018 SHOPP

Dear Mr. De Terra,

Please consider this letter comment on the 2018 Draft SHOPP posted December 6, 2018. I had the opportunity to review the SHOPP portion for Del Norte County with my Commission. While all the projects in the SHOPP are important, we are especially grateful for the continual work to keep US Highway 101 at Last Chance Grade open. We also believe that the Mandates project for ADA compliance (0113000023) will proved access and safety where it's badly needed on US 101 in our urban area.

We would like for Caltrans to program improvements to US 101 and US 199 at the Elk Valley Cross Road intersections. Accidents and near misses continue to be a problem at these locations and the community concerns continue to pour in. Last year we had an entire family come to the DNLTC public meeting to request solutions after their mother was killed in a fatal collision on US 199 at Elk Valley Cross Road. Since then, this item appears on every DNLTC agenda until a solution is found.

Please program a path forward for improvements at the US 101 and US 199 intersections at Elk Valley Cross Road.

Cordially,

Tamera Leighton, Executive Director
Del Norte Local Transportation Commission

CC: Brad Mettam, Caltrans District 1

Caltrans Response to Del Norte Local Transportation Commission:

Thank you for your letter dated January 1, 2018, in which you requested that Caltrans program an improvement at US 101, SR 199 and Elk Valley Cross Road. Caltrans District 1 Traffic has evaluated collisions at this intersection and has been working with your commission to resolve issues. The following improvements have been recently constructed or evaluated at SR 199 and Elk Valley Cross Road:

1. Installed a Radar Feedback "45 mph" approaching Elk Valley Cross Road from SR 199.
2. Installed new roadway surface, restriped, adjusted optical speed bars and checked all signs.
3. Evaluated SR 199 and Elk Valley Cross Road twice in 2017 for signal warrant analysis.
4. Considered reconfiguration of SR 199 and Elk Valley Cross Road/ Kings Valley Cross Road.
5. On US 101 at Elk Valley Crossing, replaced some missing signs and checked the area.

We contacted the California Highway Patrol to check the recent collision history which appears to be trending downward following our adjustments to the intersection. Caltrans continuously monitors collision history on all our highways and appreciates local feedback. We will soon send an investigator to the intersections at peak hour volumes to monitor driver behavior in traversing the intersections.

METROPOLITAN
TRANSPORTATION
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Deputy Executive Director, Policy

Andrew B. Fremier
Deputy Executive Director, Operations

December 20, 2017

Mr. Bruce De Terra, Chief
Division of Transportation Programming
California Department of Transportation
P.O. Box 942873, MS-82
Sacramento, CA 94273

RE: **Comments on Draft 2018 SHOPP Project List**

Dear Mr. De Terra:

Thank you for the opportunity to comment on the Draft 2018 State Highway Operation and Protection Program (SHOPP). The passage of the Road Repair and Accountability Act of 2017, or Senate Bill 1, provided a much needed funding boost for the program. Compared to past SHOPP cycles, under the 2018 SHOPP, most regions will benefit from a substantial increase in resources to invest and preserve the transportation system. These resources will be essential for the Department to meet the various performance targets established in the California Transportation Asset Management Plan.

MTC applauds the Department for programming $3.4 million to upgrade the legacy software and hardware components in District 4's Transportation Management Center (TMC). TMC hardware and software, together with the underlying communication infrastructure, play a critical role to ensure both the operability of field devices and the ability to collect information. The upgraded system will enable the District to have a more reliable and efficient way of managing and monitoring over 4,000 active traffic operation elements, and achieve the 90% or better device health goal, as outlined in Caltrans' Strategic Plan.

MTC and Caltrans are active partners in delivering the Freeway Performance Initiative, a regional initiative that deploys ramp metering and Traffic Operation Systems equipment on congested freeway corridors in the Bay Area. MTC appreciates the State investing $13 million for the Marin US 101 ramp metering project, extending from the Golden Gate Bridge to north of Sir Francis Drake Blvd., and another $40 million on the I-680 ramp metering project spanning the cities of Fremont, Pleasanton and Dublin. MTC has previously invested regional discretionary funds towards the Preliminary Engineering phases for both projects. The proposed construction funding in the 2018 SHOPP will enable the region to deliver the last remaining projects identified within the Initiative.

Additionally, we have identified some recommendations as well as specific funding requests to be included in the final SHOPP.

A. General Policy Comments

- **Increase Mobility Funding Share to Keep Assets in a State of Good Repair:** For several decades, a significant number of TMS elements have been installed to enhance efficiency and actively manage the existing State Highway System in the Bay Area, while minimizing the need to construct new facilities. Additional funding from Senate Bill 1 will help to address some of the mobility and operational improvement needs. However, there is still a substantial shortfall to keep assets in a state of good repair. The Bay Area region's mobility funding share dropped from 30% in 2016 to 18% in the current draft SHOPP. MTC recommends adding resources to this category to align with the Department's "Fix it first" policy.

- **Implement a Performance Based Approach to Transportation Management System Upgrade and Replacement:** Many Caltrans districts will receive funding to restore, upgrade, and replace non-operational Transportation Management System (TMS) field elements. MTC strongly encourages the Department to develop a set of performance measures for contractors to adhere to and tie a contractor's payment to their abilities in meeting the metrics. MTC implemented a performance based maintenance and repair pilot for the 50-mile long I-880 corridor to protect over 1,000 technology assets. The contract establishes that the third party contractor shall be on site responding to failures within 24 to 48 hours, and that repairs are to be completed within 2 to 20 days, depending on the asset priority level, as identified by District 4. Payment to the contractor is adjusted downward when the contractor is unable to meet these thresholds. MTC found that this performance driven structure ensures responsiveness to repairs, and keeps elements performing at high levels.

- **Establish a Statewide Vision on the Future of Detection:** The Department is investing significant resources to repair or replace standard loop detection units across the State. Because vehicle detectors account for such a large percentage of the overall Transportation Management System devices, the repair of detection stations is crucial to reaching the 90% device health goal. However, traditional detectors can be difficult and costly to repair due to factors such as the need to complete repairs at night and coordinate lane closures. MTC recommends that the Department establishes a statewide vision for the future of detection technology. Such guidance would enable Districts to standardize the type of technology, determine the appropriate budget needed for transitioning to the new technology, and invest properly on the maintenance of the existing system. Without a plan, preserving loop detectors will continue to require extraordinary, and likely unsustainable, investments.

- **Leverage Regional Funding-Challenge Grant Concept:** MTC and Caltrans District 4 have a strong partnership, and have long collaborated to fund and implement ITS infrastructure used to monitor and manage freeway traffic and incidents throughout the region. More recently, since 2013, MTC and the District have worked collaboratively to identify and fund priority TMS projects, including specific initiatives aimed at bringing the region's ITS infrastructure into a state of good repair. In Fiscal Year 2018, a total of $12.5 million for regional TMS projects have been identified, with $7.5M from Caltrans and $5M from MTC. MTC requests that the State considers a "Challenge Grant" concept—whereby agencies provide complementary funding for priority projects to meet the shared goal of improving transportation system performance in the Bay Area. By utilizing regional investments, the Department can leverage state and federal funding to maximize the impact of limited regional and local dollars, and accomplish priority projects in a shorter timeframe.

B. Project Specific Comments

- **Invest in a real time device health monitoring tool:** The Department owns a large number of TMS field elements, and according to the draft California Transportation Asset Management Plan, it is expected that over 400 new devices will be added to the system each year. Maintenance resources can be strained to keep up with preventative maintenance and repairs. MTC recommends that the Department invests in software tools that monitor device health and enable the ability to diagnose and troubleshoot issues remotely. MTC had success in developing a first generation software tool that actively monitors the communication status of each device along the I-880 corridor. After detecting communication failures, this tool immediately sends alerts to the MTC contractor for investigation and repair. A similar tool can be helpful for the Department to increase device uptime, improve operation and device reliability, and target judicious use of limited maintenance resources for actual preventative maintenance and repairs.

- **Direct $7 Million in Mobility Funds to Improve Communication Connectivity on I-880:** Currently, the communications component of the I-880 corridor relies on leased telephone phone lines (both landline and wireless) to communicate to field devices. Most of the landline telephone circuits are outdated, and offer limited bandwidth capacity. This proposed communication project would connect TMS field devices to the fiber network being built for the I-880 Express Lanes, and would extend communications north and south using wireless high bandwidth radios. This would support connected vehicles and other applications, and eliminate the recurring cost for leased communications, which is estimated at $574,000 per year.

- **Provide Funds to Connect TMS Elements to Fiber Network on I-680:** As part of the 680 Express Lane project, the Bay Area Infrastructure Financing Authority (BAIFA) has installed main line fiber and 54 laterals to vaults near current TMS field devices. However, those laterals are not connected to the field devices. To improve the overall

communications to each device and increase bandwidth capabilities, MTC recommends that the Department provides resources to make the final connection between the laterals and the field elements.

Thank you once again for including us in the SHOPP process and providing this opportunity to comment. Please contact me if you have any questions or desire to follow up with a staff member who has expertise in the issues raised in this letter.

Sincerely,

Andrew B. Fremier
Deputy Executive Director, Operations

AF: KC

S:\Section\OPS\Unit\TMC\Transportation Management Systems\Funding\SHOPP\2018 SHOPP\Draft 2018 SHOPP Project List Comment Letter.docx

CC: Dan McElhinney, Chief Deputy District Director, Caltrans District 4
Stephen Maller, Deputy Director, California Transportation Commission

Caltrans Response to Metropolitan Transportation Commission:

Thank you for your comments on the Draft 2018 SHOPP Project List. Caltrans welcomes our partnership with MTC to deliver transportation improvements and values your feedback in our efforts to protect, preserve and rehabilitate State Highway System infrastructure to meet safety, emergency, mandates, and fix-it-first needs in the Bay Area.

OCTA

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January 2, 2018

Ms. Donna Berry
Chief, State Highway Operation and Protection Program
Division of Transportation Programming
California Department of Transportation
1120 N Street, MS-82
Sacramento, CA 95814

RE: Draft 2018 State Highway Operations Protection Program

Dear Ms. Berry:

Thank you for the opportunity to review the California Department of Transportation's (Caltrans) draft 2018 State Highway Operations Protection Program (SHOPP). The Orange County Transportation Authority (OCTA) is supportive of SHOPP's goal to protect, preserve, and rehabilitate the State Highway System.

Upon review of the 2018 SHOPP, OCTA has two concerns. First, OCTA is disheartened to find that the State is proposing only $497 million of a total $16.8 billion in SHOPP funds for fix it first projects to improve the State Highway System for residents of Orange County. This represents approximately only three percent of the total SHOPP funds proposed in the 2018 SHOPP.

OCTA has directly supported the SHOPP and since 1991, OCTA, through Orange County's transportation sales tax measures (Measure M1 and Measure M2 [M2]), has improved every Orange County freeway with an investment of more than $3.5 billion to date. As part of the project development process, projects typically incorporate safety and operational improvements, installation of long life pavement, drainage improvements, and replacement of deficient structures, signs, and landscaping as warranted.

These significant infrastructure improvements have not only extended the life cycle of Caltrans facilities but has also deferred maintenance costs resulting in significant savings to Caltrans, as well as supporting Caltrans' own SHOPP goals. However, a review of the 2018 SHOPP does not indicate any recognition for Orange County in being proactive in addressing SHOPP related needs through its Measure program. With another $4 billion committed through 2026 alone, OCTA believes the 2018 SHOPP is missing opportunities to leverage SHOPP investments in District 12 for the benefit of all Californians.

Orange County Transportation Authority
550 South Main Street / P.O. Box 14184 / Orange / California 92863-1584 / (714) 560-OCTA (6282)

Secondly, in order to improve coordination of these efforts in the future, OCTA would appreciate that the SHOPP project proposals be made available by the districts to the regional transportation planning agencies before the draft 2018 SHOPP is produced. The passage of AB 515 (Chapter 314, Statutes of 2017), sought to provide a coordinated approach to project delivery between the SHOPP and regional transportation agency programs by requiring communication to regional transportation agencies of proposed SHOPP project lists, and allowing an opportunity for regional transportation agencies to comment and receive responses by Caltrans. OCTA's review is based on the SHOPP listings published by Caltrans headquarters.

Earlier communication from Caltrans District 12 will result in more in-depth knowledge of what will go into the 2018 SHOPP, which will be useful in providing more detailed comments and project coordination opportunities. For example, OCTA's review has identified potential conflicts between upcoming highway capacity projects and draft SHOPP projects. Such conflicts can result in additional public inconvenience and higher cost and/or duplication of efforts.

Therefore, OCTA requests Caltrans coordinate SHOPP projects with active M2 freeway project development efforts that are currently underway, more openly with OCTA. Specifically, OCTA and Caltrans are working on four freeway projects that could be impacted by the proposed SHOPP, and OCTA requests that Caltrans coordinate SHOPP safety, preservation, and mobility project development efforts with M2 projects to ensure a coordinated implementation approach (Attachment).

If you have any questions regarding OCTA's SHOPP comments, please contact Adriann Cardoso, Capital Programming Manager, at (714) 560-5915.

Sincerely,

Kia Mortazavi
Executive Director, Planning

KM:bk
Attachment

c: Tifini Tran, Caltrans
Lan Zhou, Caltrans
Jim Beil, OCTA

Interstate/ Route	EA#	State Highway Operations Protection Program Project Description	Program Year	Potential Impact
SR-91	0N320	In the City of Anaheim, from west of Lakeview Avenue to Orange/Riverside County Line. Pavement Rehabilitation.	2018-19	No current project impact but 91 Express operations could be impacted depending on the TMP details.
I-405	0P220	In Irvine and Costa Mesa, from Jamboree Road to Route 73. Replace existing temporary railing with permanent concrete barrier.	2018-19	EA 12-0P220 project limits (PM 6.9-10.3) and construction timeframe (FY 18-19) conflict with OCTA I-405 Design Build project (PM 9.3-24.2) (FY 18/19-22/23). Per Caltrans Cooperative Agreement (12-697) and Design Build Contract, Caltrans safety projects shall be coordinated. I-405 Design Build project Stage 1A and 1B construction includes shifting southbound mainline toward the center median at the south end of the project, potentially in direct conflict with the proposed scope of work for EA 12-0P220. Project is identified in Design Build Technical Provisions Table 2-2 for coordination.
I-406	0N520	In Irvine, and Costa Mesa, from Von Karmen Avenue to west of Harbor Boulevard. Roadside safety improvements.	2019-20	EA 12-0N520 project limits (PM 7.3-11.8) and construction timeframe (FY 19-20) conflict with OCTA I-405 Design Build project (PM 9.3-24.2) (FY 18/19-22/23). Per Caltrans Coop (12-697) and Design Build Contract, Caltrans safety projects shall be coordinated. Scope of work at 20 locations is not clear for analysis of direct conflicts, duplication of work, or throw-away work. Project is not identified in Design Build Technical Provisions Table 2-2 for coordination. Risk of financial and schedule impacts to I-405 Design Build project unknown
I-5	0N510	In Santa Ana, from south of 4th Street to Broadway. Roadside safety improvements.	2018-19	EA 0N510 project limits and time frames conflict with OCTA's I-5 Central Project EA 0C8901. Scope of work is not clear. Additional information and coordination is necessary to reduce conflicts, duplication of work, or throw away work.

Acronyms
EA - Expenditure Authorization
SR-91 - State Route 91
TMP - Traffic Management Plan
PM - Post Mile
FY - Fiscal Year
OCTA - Orange County Transportation Authority
I-405 - Interstate 405
I-5 - Interstate 5

Caltrans Response to Orange County Transportation Authority:

Caltrans values the partnership with Orange County Transportation Authority (OCTA) in the development of projects and programs.

Caltrans and OCTA have indeed worked closely over the years to ensure that proposed and ongoing projects include OCTA's input. For the development of the draft 2018 SHOPP document, Caltrans staff has communicated with different groups within OCTA through multiple avenues. District 12 Planning Division emailed the 2018 Project Initiation Document (PID) Work plan to OCTA in June 2017, well in advance of project nomination for the draft 2018 SHOPP program. Caltrans and OCTA hold regularly scheduled joint project status meetings and management coordination meetings where draft 2018 SHOPP projects, among other topics, were discussed. Moreover, Caltrans discussed and presented the draft 10 year list of SHOPP projects to the OCTA Executive staff at an August 3, 2017 meeting, for their review and comment, and to discuss regional strategies related to SB1 projects programming. These meetings may not have included representatives of all of OCTA's various divisions present. We look forward to streamlining our communications so that all groups within OCTA and Caltrans District 12 are included.

The current version of the draft 2018 SHOPP includes $497 million worth of projects for Orange County. In addition, as discussed with OCTA staff, there are opportunities to add projects throughout the SHOPP programming cycle, specifically in the areas safety or emergency, funded through a set-aside reservation fund for these projects. This may also be the case for projects that address one or more of the four major asset classes namely, Pavement Rehabilitation, Bridge Preservation, Culverts and Transportation Management Systems. It is important to note that the SHOPP is a statewide funding program that addresses maintenance and operational needs without reference to District or County boundaries, and funds projects that address system performance needs throughout the state.

Caltrans recognizes that Measure funded projects add capacity to the State Highway System (SHS), as administered by OCTA. All projects implemented on the SHS are required to meet Caltrans Standards, including long life pavement and updated safety standards. Nonetheless, projects that add capacity result in an increase in asset inventory to Caltrans, which in turn result in increased maintenance needs that will require future SHOPP investments.

It is important that both agencies work collaboratively together to improve the transportation system within Orange County and to improve the communication path within the different groups within each agency.

Please see the attached chart for responses on specific projects highlighted in OCTA's letter.

Interstate/ Route	EA#	State Highway Operations Protection Program Project Description	Program Year	Potential Impact	Caltrans Coordination
SR-91	0N320	In the City of Anaheim, from west of Lakeview Avenue to Orange/Riverside County Line. Pavement Rehabilitation.	2018-19	No current project impact but 91 Express could be impacted depending on the TMP details.	EA0N320 on Rte 91 is a CAPM project to replace cracked PCC slabs on mainline and fog-seal shoulders. When construction operation is on general purpose #1 lane, the adjacent express lane operation will be affected. We will coordinate with OCTA during PSE and Construction to minimize the operational impact. This is standard operating procedure for all the Rte 91 projects in segments with express lanes including mainline widening projects, mainline pavement rehabilitation or express lane pavement rehabilitation.
I-405	0P220	In Irvine and Costa Mesa, from Jamboree Road to Route 73. Replace existing temporary railing with permanent concrete barrier.	2018-19	EA 12-0P220 project limits (PM 6.9-10.3) and construction timeframe (FY 18-19) conflict with OCTA I-405 Design Build project (PM 9.3-24.2) (FY 18/19-22/23). Per Caltrans Cooperative Agreement (12-697) and Design Build Contract, Caltrans safety projects shall be coordinated. I-405 Design Build project Stage 1A and 1B construction includes shifting southbound mainline toward the center median at the south end of the project, potentially in direct conflict with the proposed scope of work for EA 12-0P220. Project is identified in Design Build Technical Provisions Table 2-2 for coordination.	Caltrans is aware of the potential conflicts. As the project progresses, coordination will continue to address any conflict. These projects have been included in each other's specifications, requiring coordination during project construction.
I-405	0N520	In Irvine and Costa Mesa, from Von Karman Avenue to west of Harbor Boulevard. Roadside safety improvements.	2019-20	EA 12-0N520 project limits (PM 7.3-11.8) and construction timeframe (FY 19-20) conflict with OCTA I-405 Design Build project (PM 9.3-24.2)(FY 18/19-22/23). Per Caltrans Coop (12-697) and Design Build Contract, Caltrans safety projects shall be coordinated. Scope of work at 20 locations is not clear for analysis of direct conflicts, duplication of work, or throw-away work. Project is not identified in Design Build technical Provisions Table 2-2 for coordination. Risk of financial and schedule impacts to I-405 Design Build project unknown.	The majority of this Roadside Safety Improvement project area is not in conflict with the I-405 Design Build project. Caltrans will work with OCTA on locations where there may be issues throughout the project development process to mitigate or eliminate conflicts. This strategy was discussed at the OCTA/CT Joint Meeting on 12/14/17 where future CT SHOPP projects were discussed. Final project scope will not introduce conflicts with I-5 Central project. Risks for financial or schedule impacts will be eliminated from the proposed projects.
I-5	0N510	In Santa Ana, from south of 4th Street to Broadway Roadside safety improvements.	2018-19	EA 0N510 project limits and time frames conflict with OCTA's I-5 Central Project EA 0C8901. Scope of work is not clear. Additional information and coordination is necessary to reduce conflicts, duplication of work, or throw-away work.	The majority of this Roadside Safety Improvement project area is not in conflict with the I-5 Central project. Caltrans will work with OCTA on locations where there may be issues throughout the project development process to mitigate or eliminate conflicts. This strategy was discussed at the OCTA/CT Joint Meeting on 12/14/17 where future CT SHOPP projects were discussed. Final project scope will not introduce conflicts with I-5 Central project. Risks for duplication of work or throw away work will be eliminated from the proposed SHOPP projects.

PECHANGA INDIAN RESERVATION
Temecula Band of Luiseño Mission Indians

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Frank Lawrence

December 28, 2017

Via Electronic Submission
(http://www.dot.ca.gov/hq/transprog/SHOPP/draft_2018_shopp.html)

Mr. Bruce De Terra, Chief
Division of Transportation Programming
P.O. Box 942873, MS-82
Sacramento, CA 94273-0001

Re: Pechanga Band of Luiseño Indians Comments on the Draft 2018 SHOPP Project List

Dear Mr. De Terra:

These comments are being provided on behalf of the Pechanga Band of Luiseño Indians (hereinafter, "the Tribe"), a federally recognized Indian tribe and sovereign government in response to Caltrans' request for comments on the Draft 2018 SHOPP Project List. To the extent that any of the projects identified below require environmental compliance with the California Environmental Quality Act, the Tribe formally requests, pursuant to Public Resources Code §21092.2, to be notified and involved in the entire CEQA environmental review process for those projects. Please add the Tribe to your distribution list(s) for public notices and circulation of all documents, including environmental review documents, archeological reports, and all documents pertaining to the identified projects. The Tribe further requests to be directly notified of all public hearings and scheduled approvals concerning these projects.

The Tribe has reviewed the proposed projects in the draft SHOPP list and identified six (6) projects that lie within *'Attaxum* (Luiseño) aboriginal territory, and which are situated in areas that contain significant prehistoric and historic tribal cultural resources. As the draft project list only provides the general location and a brief description of the project, the Tribe requests additional information – including more precise locations, proposed grading depths, and other anticipated earth-moving activities – for each project and reserves the right to request additional consultation with Caltrans following review of any project materials provided.

Specifically, the Tribe has identified the following projects for which we are requesting additional information: 1C850; 1G670; 1G870; 1C590; 1C660; 1F690; 1F141; and 1E770. Please provide any available information to Ebru Ozdil, Planning Specialist at eozdil@pechanga-nsn.gov. Should you have any questions regarding this letter, please do not hesitate to contact me at (951) 770-

6179/mhannah@pechanga-nsn.gov. Thank you for the opportunity to provide comments and request consultation on these projects. We look forward to working with Caltrans to protect and preserve our irreplaceable Luiseño tribal cultural resources.

Sincerely,

Michele Hannah

Michele Hannah
Deputy General Counsel

cc: Pechanga Cultural Resources Department

Caltrans Response to Pechanga Band of Luiseno Indians

Thank you for your response to Caltrans' request for comments on the Draft 2018 SHOPP Project List.

Please note that Tribal consultation is part of Caltrans' standard operating procedure for cultural resources compliance pursuant to both Section 106 of the National Historic Preservation Act (Section 106) and CEQA during Caltrans' Project Approval and Environmental Document (PA&ED) process. In addition, the Native American Heritage Commission and consulting Tribes are also invited to comment on Caltrans' environmental documents.

As you may know, Caltrans folds its Native American Consultation responsibilities under Section 106 and CEQA (including AB-52) into a single consultation process. Projects that qualify as a CEQA CE are not required to meet the timeframes for consultation established under AB-52, but still follow Caltrans consultation process referred to above.

The Pechanga Band of Luiseno Indians has requested that to the extent that the projects identified below require environmental compliance with the California Environmental Quality Act, that the Tribe be involved in the entire CEQA environmental review process. In fact, Caltrans has already initiated consultation on several of the listed projects and will continue to consult with the Tribe as requested.

The Tribe has identified the following projects for which additional information is being requested: 1C850; 1G670; 1G870; 1C590; 1C660; IF690; 1Fl 41; and 1E770. The current status of the listed projects is as follows:

1C850 RIV 74 WIDEN LANES, ADD SHOULDERS & RUMBLE STRIPS
Caltrans initiated Native American Consultation in February 2017 and is ongoing. As of January 2018, the Tribe has requested monitoring and will be monitoring during archaeological testing.

1G670 RIV 79 CONSTRUCT PAVED SHOULDERS AND WIDEN EXISTING CULVERTS
Caltrans Cultural Studies began work on this project in December 2017. Formal consultation will be initiated with the Tribe in early 2018.

1G870 RIV 215 INSTALL AN OUTER SEPARATION BARRIER
Caltrans processed this project in November 2017 as a Screened Undertaking under our 2014 Programmatic Agreement. The project's scope of work was minor and within public ROW located between I-15 and Antelope Road. Typically, Caltrans does not initiate formal Native American consultation on projects that qualify as a Categorical Exemption / Categorical Exclusion (CE/CE) with a minor scope of work. Additional information can be provided if requested.

1C590 RIV 74 SOURCE CONTROL IN LAKE ELSINORE
Caltrans Cultural Studies began work on this project in September 2017 and it is currently in the PA&ED process. Formal consultation will be initiated with the Tribe in early 2018.

1C660 RIV 215 SEDIMENT STABILIZATION, EROSION CONTROL
Caltrans Cultural Studies began work on this project in September 2017 and it is currently in the PA&ED process. Formal consultation will be initiated with the Tribe in early 2018.

1F690 RIV-79 NEAR TEMECULA MILL & OVERLAY
Caltrans Cultural Studies began work on this project in May 2017 and it is currently in the PA&ED process. Formal consultation was initiated January 8, 2018 and is on-going.

1F141 I-15 TEMECULA LANE REPLACEMENT
Caltrans initiated Native American Consultation in March 2017 with follow-ups in July and September 2017. As of January 2018, the Tribe has not responded.

1E770 RIV 74 SLOPE STABILIZATION
Caltrans processed this project in August 2017 as a Screened Undertaking under our 2014 Programmatic Agreement. The project's scope of work was minor and within Caltrans ROW located just west of Lake Elsinore. Typically, Caltrans does not initiate formal Native American consultation on projects that qualify as a Categorical Exemption / Categorical Exclusion (CE/CE) with a minor scope of work. Additional information can be provided if requested.

Comments submitted via online survey

What is your first and last name? Don Saylor

What is your email address? don.saylor@yolocounty.org

What is your phone number? (Optional) 530-757-5557

Please indicate the Agency you represent. Yolo County Board of Supervisors

2018 State Highway Operations and Protection Program Public Comments

Thank you for the opportunity to comment on the Draft 2018 SHOPP List of Projects. I serve as a Yolo County Supervisor representing District 2 and as a Board Member of the Yolo County Transportation District, the Sacramento Area Council of Governments, Capitol Corridor Joint Powers Board, and the Yolo-Solano Air Quality Management District. Through these roles I am aware of the comprehensive transportation-related needs of the Sacramento region. The rehabilitation for Interstate 80 (I-80) and US 50 (EA 03-4F650K) project addresses one of the most critical unaddressed corridors in our region. As other projects have moved forward, this segment has continued to be overlooked.

We appreciate California Department of Transportation's (Caltrans) commitment to rehabilitating and improving the State Highway System routes in Yolo County. We particularly appreciate the Draft 2018 SHOPP Project List that includes approximately $4 billion in projects for fiscal years 2018-2019 through 2021-2022. We understand that these projects will address safety, emergency, mandates, and fix-it-first needs. However, we are concerned that the rehabilitation for Interstate 80 (I-80) and US 50 (EA 03-4F650K) was not included in the Draft 2018 SHOPP Project List. The Pavement Condition Survey for this section of road shows major distress and an unacceptable ride. I-80 and US 50 serve as major trade, commute and tourism routes for Yolo County and the Greater Sacramento Region. Also, I-80, being on the National Freight System, provides critical access to the Port of Oakland, the Port of West Sacramento, and serves as an important link for people and goods from the San Francisco Bay Area all the way to the East Coast. We therefore urgently request that Caltrans reconsider its position on this important project.

Caltrans Response to Yolo County

The Yolo County pavement rehabilitation project (03-4F650) described as "*In and near West Sacramento, from east of Mace Boulevard to Sacramento River Bridge; also on Route 50, from Route 80 to Jefferson Boulevard Overcrossing (PM 0.0/2.5). Rehabilitate pavement by placing Continuous Reinforced Concrete, rehabilitate bridge decks, median widening at three locations, upgrade bridge railings, and construct an auxiliary lane.*" This project is incorporated into the 2018 SHOPP as a Long Lead project.

Interim SHOPP Guidelines

PASSED BY
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OCT 1 8 2017
CALIFORNIA
TRANSPORTATION COMMISSION

CALIFORNIA TRANSPORTATION COMMISSION

INTERIM
STATE HIGHWAY OPERATION AND PROTECTION PROGRAM GUIDELINES

Adopted June 28, 2017

Amended October 18, 2017

CALIFORNIA TRANSPORTATION COMMISSION

INTERIM
STATE HIGHWAY OPERATION AND PROTECTION PROGRAM GUIDELINES

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CALIFORNIA TRANSPORTATION COMMISSION

INTERIM

STATE HIGHWAY OPERATION AND PROTECTION PROGRAM GUIDELINES

I. INTRODUCTION/OVERVIEW

1. Commission Mission

The Commission is an independent public agency dedicated to ensuring a safe, financially sustainable, world-class multimodal transportation system that reduces congestion, improves the environment, and facilitates economic development through the efficient movement of people and goods.

2. Purpose

These guidelines describe the policy, standards, criteria and procedures for the development, adoption, and management of the State Highway Operation and Protection Program (SHOPP) by the California Transportation Commission (Commission). With respect to the SHOPP, governing law requires that the Commission:

- Advise and assist the California State Transportation Agency Secretary and the Legislature in formulating and evaluating state policies and plans for state transportation programs.
- Develop SHOPP guidelines in consultation with the California Department of Transportation (Caltrans).
- Receive the Caltrans proposed SHOPP not later than January 31 of each even-numbered year.
- Review the proposed SHOPP relative to its overall adequacy, Transportation Asset Management Plan (TAMP) consistency, compliance with applicable law, level of annual funding for implementation, and impact of expenditures on the State Transportation Improvement Program (STIP).
- Hold hearings in the North and South prior to adopting the SHOPP.
- Adopt the SHOPP and submit to the Legislature and Governor by April 1 of each even numbered year.
- Decline to adopt the SHOPP if not sufficiently consistent with the asset management plan.
- Allocate Caltrans' capital outlay support resources by project phase to provide public transparency for Caltrans budget estimates.
- Establish a threshold for requiring supplemental project allocations to ensure efficiency but not to unnecessarily delay projects.
- Approve amendments to the SHOPP proposed by Caltrans.
- Review and approve the TAMP for purposes of assessing the health and condition of the state highway system.
- Adopt targets and performance measures that reflect state transportation goals and objectives for purposes of effectively applying the state's limited resources in the SHOPP.

- Adopt the biennial five-year fund estimate of state and federal funds expected to be available for the SHOPP.
- Program and/or allocate state funds for capital projects, consistent with the SHOPP guidelines.
- Adopt guidelines for the development of regional transportation plans and the California Transportation Plan (CTP).
- Receive annual Caltrans reports relative to the expenditures made with road maintenance and rehabilitation funds including the progress made and achievement of the Senate Bill 1 (SB 1) specified 2027 performance goals and Commission adopted targets.
- Evaluate annually Caltrans' effectiveness in reducing deferred maintenance and improving road conditions as demonstrated by progress made in achieving the 2027 performance goals and Commission adopted targets. Include any findings in its annual report to the Legislature.
- Make recommendations for improvement and withhold future project allocations if determined that funds were not appropriately spent.

3. Guidelines Objectives

These guidelines were developed and adopted with the following basic objectives:

a. Consistent with the TAMP, Ten-Year SHOPP Plan, and Five-Year Maintenance Plan, develop and manage the SHOPP as a resource management document.
b. Facilitate transportation decision making by those who are closest to the transportation problems.
c. Recognize that, although Caltrans is the owner-operator of the state highway system, the regional agencies have the lead responsibility for resolving urban congestion problems, including those on state highways.
d. Facilitate cooperative programming and funding ventures between Caltrans and local agencies including the regional transportation agencies.
e. Recognize regional and statewide goals and objectives in the rehabilitation and operation of the state-owned highway transportation system.
f. Emphasize partnerships between Caltrans and regional agencies in making investment decisions addressing the most critical corridor needs, regardless of mode choice.
g. Accelerate project delivery, to ensure efficient use of funds, and to address deferred maintenance on the state highway system.
h. Establish allocation thresholds that the Commission determines are necessary to ensure efficiency and provide exceptions as necessary so that projects are not unnecessarily delayed.
i. The Commission intends to carry out these objectives through these Interim Guidelines, stressing accountability, flexibility, and simplicity.

4. Definitions and Acronyms

Definitions for certain capitalized terms used in the Interim SHOPP Guidelines are contained in the referenced section. Acronyms used in the Interim SHOPP Guidelines are included in Appendix A.

5. Statutory Authority

The Interim SHOPP Guidelines were developed and adopted consistent with (Appendix B):

a. Governor's Executive Orders, where applicable.
b. Government Code Sections 14526.4, 14526.6; 14526.5, 14526.7.
c. Streets and Highways Code Sections 164.6 and 167.
d. Public Resources Code Section 21102
e. The Road Repair and Accountability Act of 2017 (SB 1) Chapter 5, Statutes of 2017);
f. Commission Resolutions including, but not limited to: G-00-13, G-06-13, G-05-16, G-11-16, and G-12-16.
g. Commission approved actions specific to the Asset Management Plan on March 26, 2015 (Tab 26) regarding four asset classes.
h. Current best management practices including those related to the STIP and its authorities in accordance with Government Code Section 14530.1.
i. Compliance with all Federal and State requirements.

6. Applicability of Interim SHOPP Guidelines

The Interim SHOPP Guidelines apply to projects programmed in the SHOPP. The Interim SHOPP Guidelines do not apply to transportation programming requirements specified in federal Transportation Improvement Programs (TIP) and the federal STIP required by federal statutes. Generally, all projects receiving federal transportation funds must be programmed in a federal TIP (for projects in urbanized regions) and also in a federal STIP. Metropolitan Planning Organizations are responsible for developing and adopting federal TIPs and Caltrans is responsible for preparing the federal STIP. The requirements for federal TIPs and the federal STIP are specified in federal statutes (Title 23 USC) and federal regulations (23 CFR part 450).

7. Compliance with Federal and State Requirements

Caltrans shall comply with all Federal and State requirements.

8. Delegation of Authority

As of the date of these Interim SHOPP Guidelines, the Commission has taken formal action to delegate (Appendix C) certain authorities to Caltrans:

- Resolution G-05-16: Sub-allocation and Adjustment of Minor Capital Construction Projects.
- Resolution G-06-13: Allocation of Funds for Safety Projects.
- Resolution G-11-16: Funding Emergency Condition Response Projects.
- Resolution G-12-16: Adjustment and Modification of Project Allocations and Descriptions.

9. Amendments to the Guidelines

The Commission may amend the adopted SHOPP guidelines after first giving notice of the proposed amendment and conducting at least one public hearing.

II. SHOPP-RELATED DOCUMENTS SUBJECT TO COMMISSION ACTION

10. Transportation Asset Management Plan

Pursuant to Government Code Section 14526.4, Caltrans in consultation with the Commission shall prepare a robust Asset Management Plan (TAMP) to guide selection of projects for the SHOPP. Caltrans may prepare the TAMP in phases, the first phase to be implemented with the 2016 SHOPP. The complete TAMP is due no later than the 2020 SHOPP. The Commission reviews and approves the TAMP and adopts targets and performance measures reflecting state transportation goals and objectives. The TAMP is a strategic and systemic process of operating, maintaining, and upgrading physical assets effectively through their lifecycle by focusing on business and engineering practices for resource allocation and utilization based on well-defined objectives. Pursuant to Section 14526.7(a), Caltrans shall incorporate the performance targets adopted by the Commission pursuant to Government Code Sections 14526.4 and 14526.5. On March 26, 2015, the Commission approved four asset classes for the first phase of the TAMP that included: pavement, bridge, culverts, and Intelligent Transportation System (ITS) components.

Notwithstanding the foregoing, SB 1 states the Legislature's intent that Caltrans meet the following preliminary performance outcomes for additional state highway investments by the end of 2027, in accordance with applicable state and federal standards:

- Not less than 98 percent of pavement on the state highway system in good or fair condition.
- Not less than 90 percent level of service achieved for maintenance of potholes, spalls, and cracks.
- Not less than 90 percent of culverts in good or fair condition.
- Not less than 90 percent of the transportation management system units in good condition.
- Fix not less than an additional 500 bridges.

11. Ten-Year SHOPP Plan

Pursuant to Streets and Highways Code Section 164.6(a), Caltrans shall prepare a ten-year state rehabilitation plan for the rehabilitation and reconstruction, or combination thereof, to be included in the SHOPP, of all state highways and bridges owned by the state. This plan is hereafter referred to as "Ten-Year SHOPP Plan."

12. Five-Year Maintenance Plan

Pursuant to Streets and Highway Code Section 164.6(b), Caltrans shall prepare a five-year maintenance plan that addresses the maintenance needs of the state highway system. This plan is hereafter referred to as "Five-Year Maintenance Plan."

III. SHOPP FUNDING

13. Biennial STIP Fund Estimate

By July 15 of each odd numbered year, Caltrans shall submit to the Commission a proposed fund estimate for the following five-year STIP period which also includes proposed program funding levels for the SHOPP. The Commission shall adopt the STIP Fund Estimate by August 15 of that same year. The assumptions on which the STIP Fund Estimate is based shall be determined by the Commission in consultation with Caltrans, regional agencies, and county transportation commissions.

14. State-Only Funding

The Commission will assume that all projects will be qualified for federal transportation funding unless Caltrans designates otherwise. Whenever Caltrans designates a project to be programmed for state-only (non-Federal) funding, it will explain the reason for this designation. Projects programmed without a state-only designation and later proposed for state-only funding allocations will be subject to Caltrans recommendation for exception to federal funding prior to the Commission's fund allocation. Caltrans is updating its federal funding policy due to the passage of SB 1 and will submit the updated policy for future Commission action.

15. Joint State and Local Funding

If Caltrans and a local or regional agency agree, they may, if consistent with all applicable laws and regulations, recommend that a new project or a project cost increase be jointly funded from state and local funds and execute a cooperative agreement to reflect the agreed participations.

16. Advance Mitigation Program

Pursuant to Article 2.5(b) of Chapter 4 of Division 1 of the Streets and Highway Code, beginning in fiscal year 2017-18 and for a period of four years, Caltrans shall set aside no less than thirty million dollars ($30,000,000) annually for the Advance Mitigation Program from the annual appropriations for the STIP and SHOPP for the planning and implementation of projects in the Advance Mitigation Program. The Advance Mitigation Program was created to enhance communications between the Caltrans and stakeholders to protect natural resources through project mitigation, to meet or exceed applicable environmental requirements, to accelerate project delivery, and to fully mitigate environmental impacts from transportation infrastructure projects. The annual Budget Act and subsequent legislation may establish additional provisions and requirements for the Advanced Mitigation Program.

17. GARVEE Bonding

If the fund estimate projects the availability of federal funding for the SHOPP, the Commission may, by SHOPP amendment, select SHOPP eligible projects proposed for accelerated construction through GARVEE bonding. The Commission will select projects for GARVEE bonding that rehabilitate and/or improve operation of corridors and gateways for interregional travel and goods movement, especially projects that promote economic development and projects that are too large to be programmed within the SHOPP on a pay-as-you-go basis. The Commission's expectation is that, generally, these will be projects that require bond proceeds exceeding $25 million.

Each bond will be structured for debt service payments over a term of not more than 12 years. In designating projects for bonding and scheduling bond sales, the Commission will give consideration to the overall annual debt service limit of 15 percent of Federal revenues.

GARVEE bonds cover only the federally-funded portion of a project's cost (generally 88½ percent). GARVEE bonding in California is structured so that the state's future federal transportation apportionments cover all debt service payments. This requires that the entire non-federal portion of project cost (including costs of issuance and interest) be provided at the time of construction on a pay-as-you-go basis. The Commission's policy is that the non-federal portion of project costs will be programmed within the current SHOPP capacity. Although local funds may be applied to the non-federal share, the ability of a local agency to contribute its funding to a SHOPP project will not be a major criterion in the selection of SHOPP projects for GARVEE bonding.

IV. SHOPP DOCUMENT

18. General

The SHOPP is a biennial program adopted no later than April 1 of each even numbered year. Consistent with the Biennial STIP Fund Estimate, discussed in Section 13, each SHOPP will cover a two-year period and add two new years of programming capacity.

19. TAMP (Phase I) Four Approved Asset Classes

Pursuant to the Commission's Approved Action in March 26, 2015 (Tab 26) (attached as reference) and consistent with the TAMP, each SHOPP document shall include pavement, bridge, culvert, and ITS projects and specify their corresponding performance measures for each year of the SHOPP for the first phase of the TAMP transition. Subject to the review and approval of the Commission, the SHOPP shall include other assets and specify their respective performance measures once Caltrans addresses them in the future TAMP phase(s).

20. SHOPP Preparation

Pursuant to Government Code Section 14526.5(a), and consistent with the TAMP, Caltrans shall prepare a four-year SHOPP for the expenditure of transportation funds for major capital improvements needed to preserve and protect the state highway system. Consistent with the TAMP, Ten-Year SHOPP Plan, and Five-Year Maintenance Plan, each new SHOPP shall include projects carried forward from the previous SHOPP plus new projects and reserves that are expected to be advertised prior to July 1 of the year of adoption, but for which the Commission has not yet allocated funds. The total amount programmed in each fiscal year of the SHOPP shall not exceed the amount specified in the STIP Fund Estimate.

21. Display of Project Scope, Budget, Schedule, and Performance Measure

The SHOPP document shall include the following information for each project:

a. The project title, including a brief description of the project location and limits (community name, corridor**,** street name, etc.), and a phrase describing the type and scope of the project.
b. A unique project identification number (e.g. PPNO, EA, Project ID) provided by Caltrans.
c. For projects on the state highway system, the route number and post-mile (or post-kilometer) limits.
d. Support and capital budgets for project approval and environmental document (PA&ED), plans, specifications, and estimates (PS&E), right-of-way (support and capital), and construction (support and capital) including the source and amounts of non-SHOPP funds, if any, committed to the project.
e. Any appropriate funding restriction or designation, including projects requiring state-only funding, or projects requiring federal funds.
f. Project delivery date for PA&ED completion, PS&E completion, Right-of-Way certification, and commencement of construction (construction contract awarded).
g. Planned performance measure(s) for each project.
h. Description based on quantified and qualitative information to document transparently and in plain language how the SHOPP is consistent with the Commission approved TAMP.

22. Database

Caltrans is responsible for maintaining an electronic database record of the adopted SHOPP documents and Commission actions that amend the SHOPP. The current data base is known as the California Transportation Improvement Program System (CTIPS).

Consistent with this database, Caltrans shall develop and maintain a transparent system to display in plain language each SHOPP project's support and capital budget, schedule, scope, expected performance benefits and updates thereof to enhance communication among the districts and headquarters, to ensure efficient management of the entire portfolio, and to provide public transparency.

23. SHOPP Submittal

Pursuant to Government Code Section 14526.5(d), Caltrans shall submit the proposed SHOPP, to the Commission no later than January 31 of each even year. Caltrans shall provide the Commission with detailed information for all projects including, but not limited to, cost, scope, schedule, and performance metrics. The four-year SHOPP document will describe in plain language its overall adequacy and consistency with the Ten-Year SHOPP Plan, Five-Year Maintenance Plan, as well as the Commission approved TAMP, funding priorities established in Streets and Highways Code Section 167, the level of annual funding needed to implement the program, and the impact of those expenditures on the STIP. Prior to submitting its proposed program, Caltrans shall make a draft of the proposed SHOPP available to transportation planning agencies for review and comment and shall include the comments in its submittal to the Commission.

24. Adoption

Pursuant to Government Code Section 14526.5(e), the Commission shall review each two-year cycle SHOPP document relative to its overall adequacy and consistency with the TAMP prepared and approved pursuant to Government Code Section 14526.4 and funding priorities established in Streets and Highway Code Section 167, the level of annual funding needed to implement the program, and the impact of those expenditures on the state transportation improvement program. Not later than April 1 of each even numbered year the Commission shall adopt each two-year SHOPP document and submit it to the Legislature and to the Governor. The Commission may decline to adopt the SHOPP if the Commission determines that the program is inadequate or it is not sufficiently consistent with the Ten-Year SHOPP Plan, Five-Year Maintenance Plan, and TAMP prepared and approved pursuant to Government Code Section 14526.6.

Pursuant to Government Code Section 14526.5 (f), as part of the Commission's review, the Commission shall hold at least one hearing in northern California and one hearing in southern California regarding the proposed program.

Each two-year cycle SHOPP shall be a statement of the Commission's intent for allocation and expenditure of funds for the following four years as well as a resource management document to assist in the planning and utilization of transportation resources in a cost-effective manner. Each adopted SHOPP shall remain in effect until a new SHOPP is adopted.

Caltrans will publish the SHOPP record within 75 days of the SHOPP adoption and make copies available to the Commission. To facilitate development, analysis and management of the SHOPP, Caltrans will provide the Commission appropriate access to the SHOPP database.

Projects allocated for construction in prior SHOPP documents but which have not achieved final acceptance are incorporated by reference and are a part of the newly adopted SHOPP until final acceptance is achieved and a final report of actual expenditures against Commission allocations is provided to the Commission.

V. SHOPP PROJECTS

25. Eligibility

Projects eligible for SHOPP funds include major capital improvements that are necessary to preserve and protect the state highway system. Projects included in the program shall be limited to improvements relative to the maintenance, safety, operation, and rehabilitation of state highways and bridges that do not add a new traffic lane to the system, and to advance mitigation projects. Streets and Highways Code Section 2030 (b)(1)(D) states that complete street components, including active transportation purposes, pedestrian and bicycle safety projects, transit facilities, and drainage and storm water capture projects are SHOPP-eligible in conjunction with any other allowable project. Examples of operation improvement projects include, but are not limited to the following:

- Auxiliary lanes for merging or weaving between adjacent interchanges.
- Intersection modifications including traffic signals.
- Slow vehicle lanes on conventional highways and four lane freeways.
- Curve and vertical alignment corrections.
- Two-way left turn lanes.
- Channelization.
- Turnouts.
- Chain control and truck brake inspection sites.
- Shoulder widening.
- Traffic Management Systems.
- Traffic Management Centers.
- Multimodal corridor projects.

26. Project Budget

For each project in the SHOPP, Caltrans shall identify each phase of a project and include the specified budget. Pursuant to Government Code Section 14526.5(c)(1), Caltrans, at a minimum, shall specify, for each project in the SHOPP (where applicable), the capital and the support budget for each of the following project phases:

a. PA&ED (only consists of support);
b. PS&E (only consists of support);
c. Right-of-way (support and capital); and
d. Construction (support and capital).

27. Project Delivery Dates

Each phase of a project must have a specified schedule. Pursuant to Government Code Section 14526.5(c)(2), Caltrans shall specify a projected delivery date for each of the following components:

a. PA&ED completion;
b. PS&E completion;

c. Right-of-way certification; and
d. Start of Construction.

28. Project Scope

The specified scope of each eligible SHOPP project, must be consistent with the TAMP.

VI. PROGRAMMING PROJECTS

29. Project Study Reports

A new project may not be programmed in the SHOPP without a complete project study report (PSR) to define and justify the project scope, cost, schedule, and expected benefits including performance goals/benefits. A PSR or equivalent (such as a Project Initiation Document (PID)) is a report that meets the standards of the Commission's PSR guidelines. Though a PSR (or PID may focus on the project components proposed for programming, it must provide at least a preliminary estimate of costs for all components. The PSR, or PSR equivalent, or Project Report must be submitted, or a link may be provided to view the document electronically. Each PSR needs to account for known risks that might impact the project budget, scope, schedule, and achievement of performance goals/targets from initiation through construction completion.

30. Project Selections

Consistent with the TAMP, Ten-Year SHOPP Plan, and Five-Year Maintenance Plan, Caltrans shall establish a transparent selection process to select quality eligible projects for each two-year cycle SHOPP document. In particular, each project's planned performance measures for achievement of goals and targets must be identified consistent with the TAMP.

31. Programming Project Components Sequentially

Caltrans may not begin project development work on SHOPP projects until the project is programmed in the SHOPP document. Pursuant to Commission Resolution G-00-13 and consistent with similar programming practices prescribed for STIP projects, project components may be programmed sequentially. The Commission encourages sequential programming of SHOPP components when needed to develop a shelf of work that can be released as appropriate. These projects, also known as "contingency projects," must be SHOPP eligible.

A SHOPP eligible project may be programmed for environmental work only. The Commission recognizes a particular benefit in programming projects for environmental work only, since project costs and particularly project scheduling often cannot be determined with meaningful accuracy until environmental studies have been completed. The premature programming of post-environmental components can needlessly tie up SHOPP programming resources while other transportation needs go unmet. These projects, also known as "long lead projects," must be SHOPP eligible.

The Commission will program a project component only if it makes a determination that the component itself is fully funded, either from SHOPP funds or from other committed funds. The Commission will regard non-SHOPP funds as committed when the local agency with discretionary authority over the funds has made its commitment to the project by ordinance or resolution and has entered into a cooperative agreement with Caltrans.

When applicable for federal formula funds, including RSTP, CMAQ, the commitment may be by Federal TIP adoption.

A project that is programmed prior to receiving federal approval for construction must receive the federal approval for construction prior to construction allocation.

32. Safety Projects

Pursuant to Commission Resolution G-06-13 Caltrans may allocate up to 120 percent of the programmed construction funds to SHOPP safety projects (Appendix C). Caltrans shall bring forward for Commission consideration any safety project with a construction allocation greater than 120 percent of the programmed amount.

33. Emergency Condition Response Projects

Pursuant to Commission Resolution G-11-16 Caltrans is authorized to allocate funds for emergency condition response projects (Appendix C) and associated right-of-way acquisition from appropriate state and federal fund sources to immediately perform emergency work on state-owned transportation facilities and property or related work in adjacent areas, with the understanding that these allocations will be reported to the Commission at its next meeting. Further Caltrans is authorized to allocate funds to follow-up permanent restoration projects associated with and that immediately follow an emergency condition response project, with the understanding that these allocations will be identified and reported to the Commission as "follow-up permanent restoration" projects at its next meeting.

34. Minor Projects

Pursuant to Commission Resolution G-05-16 (Appendix C), the Commission delegated authority to Caltrans for sub-allocations and/or adjustment authority to streamline and help in the management of minor projects. The minor reserve in the SHOPP is for SHOPP-eligible projects only. The Commission will not allocate funds from the SHOPP minor program for capacity-increasing projects, including stand-alone bicycle and pedestrian facilities, sound walls, and enhancements, and mitigation for STIP projects.

35. Multi-Modal Corridor Projects

SHOPP eligible Multi-Modal Corridor projects may be programmed in the SHOPP when consistent with the TAMP, Ten-Year SHOPP Plan, and Five-Year Maintenance Plan. A corridor is defined as a largely linear geographic band defined by existing and forecasted travel patterns involving both people and goods. The corridor serves a particular travel market or markets affected by similar transportation needs and mobility issues. It includes various modes that provide similar or complementary transportation functions, including cross-mode connections.

36. Completion of Environmental Process

The Commission may program funding for project right-of-way or construction only if it makes a determination that Caltrans will complete the environmental process and can proceed with right-of-way acquisition or construction within the four-year period of the SHOPP. Pursuant to Public Resources Code Section 21102, the Commission may not allocate funds for design, right-of-way, or construction prior to documentation of environmental clearance under the California Environmental Quality Act for projects that require a negative declaration, mitigated negative declaration or environmental impact report, for projects that are categorically cleared a Caltrans determination of categorical exemption is acceptable. As a matter of policy, the Commission will not allocate funds for design, right-of-way, or construction of a federally funded project prior to documentation and/or determination as appropriate of environmental clearance under the National

Environmental Policy Act. Exceptions to this policy may be made in instances where federal law allows for the acquisition of right-of-way prior to completion of National Environmental Policy Act review.

When project design, right-of-way or construction are programmed before Caltrans completes the environmental process, updated cost estimates shall be submitted in the SHOPP cycle following completion of the environmental process. Cost estimates for project components that are programmed and that have not been allocated shall be updated, as needed, based on the most current cost information during every SHOPP cycle. Only cost estimates approved by the Caltrans Director or by a person authorized by Caltrans' Director to approve cost estimates for programming will be used.

37. Programming Combined SHOPP and Non-SHOPP Projects

Where a project or project component is to be programmed and funded from both SHOPP and non-SHOPP sources, the project description shall indicate whether the programming commitment is for a particular dollar amount, a particular percentage of total project cost, or a particular element or item of work. All SHOPP projects must be expended proportionally, except as otherwise approved by the Commission. The Commission must approve non-proportional spending for the initial expenditure of SHOPP funds before other non-SHOPP resources. For projects funded from both SHOPP and non-SHOPP sources and where the Commission has approved non-proportional spending allowing for the expenditure of SHOPP funds before other funds (sometimes referred to as sequential spending), the project is not eligible for an increase (supplemental) allocation under the authority delegated to Caltrans by Commission Resolution G-12-16 until all other non-SHOPP funds committed to the project have been expended.

38. Programming Escalations

Caltrans is responsible to apply escalations when recommending projects to the Commission for programming. The amount programmed for each project component shall be escalated to the mid-point of the duration of each component. The standard escalation rate for the SHOPP shall be the rate specified in the last Commission adopted Fund Estimate for the SHOPP. Caltrans may elect to use alternative escalation factors for right-of-way or other project support phases as it deems appropriate.

All project costs recommended by Caltrans for programming are to be recommended on the basis of their fully escalated (inflated) costs. All SHOPP project programming shall therefore be at costs escalated to the year in which project delivery is proposed. Cost estimates for project components that are programmed and that have not been allocated shall be updated, as needed, based on the most current cost information during every SHOPP cycle.

39. Allocation for Support and Construction

a. *General.* Beginning July 1, 2017, for a project that experiences increases in capital or support costs above the amounts in the Commission's allocation for SHOPP projects, the Commission shall establish a threshold for requiring a supplemental project allocation. The Commission's adopted Interim SHOPP Guidelines shall establish the threshold that the Commission determines is necessary to ensure efficiency and may provide exceptions as necessary so that projects are not unnecessarily delayed. Consistent with the Interim SHOPP Guidelines, Caltrans shall, for each project

requiring a supplemental project allocation, submit a request to the Commission for its approval.

b. *Construction.* The costs programmed and allocated for Caltrans construction projects are to be based on the engineer's final estimate presented to the Commission for an allocation vote. For allocation requests equal to or greater than 120% of the programmed amount, a Commission allocation is required.

c. *Support.* The costs programmed and allocated for Caltrans support for the following project components/phases, including but not limited to, PA&ED, PS&E, right-of-way, and construction, is the amount identified and presented to the Commission for allocation vote. For allocation requests equal to or greater than 120% of the programmed amount, a Commission allocation is required.

d. No adjustment will be made by Caltrans beyond the authority delegated by Commission Resolution G-12-16. To encourage accurate estimates, the Commission will consider SHOPP amendments for project development only upon completion of the project development phase and when the change in the total project development costs exceed the G-12-16 authority.

VII. CALTRANS' MANAGEMENT OF THE SHOPP

40. Scope, Cost, Schedule

Caltrans is responsible to manage the entire SHOPP portfolio of projects to meet the state's transportation needs and ensure that each project is delivered within scope, budget, and on schedule consistent with the TAMP, Ten-Year SHOPP Plan, and Five-Year Maintenance Plan.

41. Criteria for Measuring Performance and Cost-Effectiveness

Consistent with the TAMP, Ten-Year SHOPP Plan, and Five-Year Maintenance Plan, Caltrans is responsible for developing performance measures, objectives, and priorities that include consideration of the overall performance of the transportation system consistent with federal and state planning requirements. Pursuant to Government Code Section 14526.4(c), in connection with the TAMP, the Commission reviews and approves the TAMP and adopts targets and performance measures reflecting the state transportation goals and objectives. The Commission expects that Caltrans will develop procedures to measure and ensure cost effectiveness in achieving the targets outlined by SB 1 in addition to the Commission adopted targets.

42. Allocation of Funds

Pursuant to Government Code Section 14526.5(g), on or after July 1, 2017, to provide sufficient and transparent oversight of Caltrans's capital outlay support resources composed of both state staff and contractors, the Commission is required to allocate Caltrans's capital outlay support resources by project phase, including preconstruction. Through this action, the Commission will provide public transparency for Caltrans's budget estimates, increasing assurance that the annual budget forecast is reasonable. The following applies to the Commission's allocations effective July 1, 2017:

a. The Commission allocates the programmed support and construction funds for all projects listed in the SHOPP. This establishes the original allocation budget for each component.

b. During each two-year cycle, the Commission will consider allocation of funds for a programmed project or programmed component when it receives an allocation request

and recommendation from Caltrans. The Commission will only consider an allocation of construction and/or construction support funds to projects that are ready to advertise.

c. For ready to advertise projects, the Commission expects Caltrans to certify that a project's PS&E is complete, environmental and right-of-way clearances are secured, and all necessary permits and agreements (including railroad construction and maintenance) are executed.
d. Projects not ready for advertisement will not be placed on the Commission's agenda for allocation approval.
e. Unless otherwise approved by the Commission in accordance with Sections 43 and 44 (Timely Use of Funds), all construction allocations are valid for six months from the date of allocation unless the Commission approves an extension (Sections 44 and 45, Timely Use of Funds).
f. Unless otherwise approved by the Commission in accordance with Sections 43 and 44 (Timely Use of Funds), all allocations for support are valid for six months from the date of allocation unless the Commission approves an extension (Sections 43 and 44, Timely Use of Funds).
g. All allocations will be made in units of $1,000, and all allocation requests shall therefore be in units of $1,000. The request will include a determination of the availability of funding and a recommendation on the source of funding. The recommendation on the source of funding shall include the amounts by fund account, i.e., State Highway Account, Public Transportation Account, or Federal Trust Fund, as well as the fund type within the account including type of federal funds. Caltrans' recommendation to the Commission for state only funding of a project will be made in accordance with Caltrans's current policy for exceptions to federal funding. The final determination of fund type available for a project will be made in the Commission's allocation of funds to the project. The Commission will approve the allocation only if the funds are available and are necessary to implement the project as programmed in the SHOPP.
h. In compliance with Public Resources Code Section 21102, the Commission may not allocate funds, other than funds appropriated in the Budget Act or projects involving only feasibility or planning studies for possible future actions construction prior to documentation of environmental clearance under the California Environmental Quality Act for projects that require a negative declaration, mitigated negative declaration or environmental impact report, for projects that are categorically cleared a Caltrans determination of categorical exemption is acceptable. As a matter of policy, the Commission will not allocate funds for design, right-of-way, or construction of a federally funded project prior to documentation and/or determination as appropriate of environmental clearance under the National Environmental Policy Act. Exceptions to this policy may be made in instances where federal law allows for the acquisition of right-of-way prior to completion of National Environmental Policy Act review.
i. Each project's programmed phase must be allocated on time as scheduled. Scheduled fiscal year allocations must be completed no later than June of each year.
j. All funds allocated are subject to the timely use of funds provision as described in Sections 43 and 44 (Timely Use of Funds) of these guidelines.
k. Projects using design-build or design-sequencing procurement shall be identified at the time of allocation. If the procurement strategy is changed at a later date, the project

shall be amended accordingly. The allocation may be a combined amount to include design, right-of-way, and construction support and construction.

l. Projects using the Construction Management/General Contractor (CM/GC) delivery method should be identified at the time of programming. If a CM/GC delivery strategy is determined at a later date, the project shall be amended accordingly. During the design phase, the CM/GC contract costs are considered design phase expenditures. Upon award of the construction contract, expenditures will be reported as construction phase expenditures. The project will be programmed and allocated in the same manner as projects utilizing design-bid-build delivery, although flexibility in schedule, scope and cost may be requested and approved consistent with allocation and programming capacity, and timely use of funds rules.

m. If a project or project component is ready for implementation earlier than the fiscal year that it is programmed in the SHOPP, Caltrans may request an allocation in advance of the programmed year. The Commission may make an allocation in advance of the programmed year if it finds that the allocation will not delay availability of funding for other projects.

43. Timely Use of Funds for Support

The following requirements apply to timely use of funds allocated by the Commission for SHOPP project support costs:

a. Funds that are programmed for Caltrans' support costs are available for allocation only until the end of the fiscal year identified in the SHOPP. Whenever programmed funds are not allocated within this deadline, the project is considered a failed project and will be deleted from the SHOPP, unless Caltrans requests a time extension that is approved by the Commission before the end of the fiscal year.

b. Funds allocated for construction support must initiate expenditure within 6 months of the date of allocation unless the Commission approves an extension as provided in Section 45.

c. After the Commission's allocation for support, Caltrans has up to 36 months to complete the scope of work specific to that project component/phase. At the time of fund allocation, the Commission may extend the deadline for completion of work and the liquidation of funds if necessary to accommodate the proposed expenditure plan for the project. For the purpose of this section, the construction support phase is deemed to end when the construction contract is accepted.

d. Whenever allocated funds have not initiated expenditure within 6 months of the date of allocation all unencumbered, or unexpended funds from the allocation will be rescinded for that project.

e. Caltrans will provide a report at each Commission meeting on projects which have not started expending allocated support funds within six months of the date of the Commission's allocation.

f. The Commission will not amend the SHOPP to delete or change the program year of the funding for any project component programmed in the current fiscal year or earlier except to reprogram funds from a construction project to later mitigation work required for that project, including landscaping or mitigation. The Commission will consider the amendment only if it is proposed concurrently with an allocation of funds

programmed for the project in the current fiscal year. These two types of amendments are adjustments that may be incorporated into the Commission's allocation action.

44. Timely Use of Funds for Construction

The following requirements apply to timely use of funds allocated by the Commission for SHOPP projects:

a. Funds programmed for Caltrans' construction costs are available for allocation only until the end of the fiscal year identified in the SHOPP. Whenever programmed funds are not allocated within this deadline, the project is considered a failed project and will be deleted from the SHOPP, unless the Commission approves a time extension.

b. Funds allocated for construction must be encumbered by the award of a construction contract within 6 months of the date of allocation unless the Commission approves an extension as described below. Projects will be deleted from the SHOPP if funds are not encumbered within approved deadlines.

c. After the award of the construction contract, Caltrans has up to 36 months to complete (accept) the construction contract. At the time of fund allocation, the Commission may extend the deadline for completion of work and the liquidation of funds if necessary to accommodate the proposed expenditure plan for the project.

d. Whenever allocated funds are not encumbered by the award of a construction contract or expended within the deadlines specified in Section 44, all unencumbered, or unexpended funds from the allocation will be rescinded for that project.

e. Caltrans will provide a report at each Commission meeting on projects which have not been awarded within six months of the date of the Commission's allocation.

f. The provisions for the timely use of funds above related to construction apply to Caltrans's project capital costs, except Caltrans's right-of-way capital costs, which the Commission allocates annually on a lump sum basis rather than by project. The annual right of way capital allocation will be the same amount programmed for the current fiscal year.

g. The Commission will not amend the SHOPP to delete or change the program year of the funding for any project component programmed in the current fiscal year or earlier except to reprogram funds from a construction project to later mitigation work required for that project, including landscaping or mitigation. The Commission will consider the amendment only if it is proposed concurrently with an allocation of funds programmed for the project in the current fiscal year. These two types of amendments are adjustments that may be incorporated into the Commission's allocation action.

45. Timely Use of Funds – Extension

a. Where a programmed project or project component will not be ready for allocation as programmed in the current fiscal year, Caltrans shall request an extension of the allocation deadline. In the event where a programmed project or project component is not ready for allocation as programmed in the current fiscal year, Caltrans is prohibited from submitting a SHOPP amendment.

b. The Commission may extend the deadlines for allocation of funds, for award of a construction contract, for expenditures of funds, or for contract completion no more

than one time and only if it finds that an unforeseen and extraordinary circumstance beyond the control of Caltrans has occurred that justifies the extension. The extension will not exceed the period of delay directly attributed to the extraordinary circumstance and will in no event be for more than 20 months.

46. Management of Contingency and Long-Lead Projects

Commission Resolution G-00-13 was approved in June 2000 to provide Caltrans with a means to develop SHOPP projects that require periods longer than the four-year SHOPP time frame to develop. Caltrans has established procedures for SHOPP Long Lead projects (Appendix C). Subject to the approval of the Commission, Long Lead projects shall be programmed in the SHOPP and will be subject to the same delivery, management, and reporting requirements as all other SHOPP projects in the Commission adopted program.

47. Management of Reservation Projects

Reservations established at Commission SHOPP adoption are managed on a fiscal year basis, where projects approved by the Commission for amendment in the SHOPP reduce the reservation amount. An increase or decrease to a reservation amount between programming cycles requires Commission action.

48. Management of Minor Projects

Minor projects are managed on a fiscal year basis within a financially constrained annual minor program reservation. Caltrans is responsible for managing within the Commission approved annual minor reservation and assuring that all minor projects are awarded within the approved reservation by the conclusion of each fiscal year.

VIII. CHANGE MANAGEMENT

49. Introduction

During the project development process, changes to a programmed project might be necessary to update project components and to realign a project to meet its objectives and goals. Caltrans is responsible to adjust and manage project programming changes efficiently. Depending on the circumstance, Caltrans has a number of options available that include: managing each SHOPP project within its delegated authority or allocation, updating the programmed cost during each two-year cycle SHOPP document, project amendments off cycle upon completion of PA&ED and PS&E, and Supplemental Funds Request.

50. Managing Within the Commission's Delegated Authority

Pursuant to the Commission Resolution G-12-16, attached in Appendix C, the Caltrans Director is delegated authority to increase the Commission approved project component values within pre-established thresholds.

51. Changes to Two-Year Cycle SHOPP Document

Every two years any project component listed in the SHOPP can be updated and right sized consistent with the TAMP and its most current estimate as long as that component has not received a Commission allocation of funds. Once allocated, the component must be managed by Caltrans within the Resolution G-12-16 parameters. Any project component that has expended its allocation plus its G-12-16 authority must receive a supplemental allocation of funds from the Commission. Caltrans is responsible to implement a change management process to manage and

document the SHOPP cycle changes internally. These SHOPP cycle changes must be identified, documented, and finalized by January of each even year. A Commission action is required to accept the programming recommendations and adopt the SHOPP document.

IX. SHOPP DELIVERY

52. Goals

It is the Commission's goal that programmed SHOPP projects be delivered as programmed in the SHOPP document. Project delivery means allocation of funds for the programmed project or project component. With the exception to SHOPP amendments approved pursuant to Section 54 (Changes via Commission Amendment), the Commission expects that Caltrans will endeavor to deliver on all projects programmed in the SHOPP.

53. Changes via Commission Amendment

Any programmed unallocated project component may be updated off cycle via a Caltrans amendment request. With the exception of updates necessary at the end of PAED or PS&E, only updates for unforeseen and extraordinary circumstances beyond the reasonable control of Caltrans will be considered. A Commission action to amend the project is needed. The Commission encourages Caltrans and Commission staff, to streamline the amendment process and enhance accountability.

54. Project Delivery

It is a Commission policy that all transportation funds programmed be allocated, awarded, and expended in a timely manner to ensure projects are delivered as promised, public benefits are timely recognized, the accumulation of excessive fund balances as well as lapsing federal funds are avoided and performance from each dollar invested to improve California's transportation system is tracked and reported.

55. Delivery Deadline Extensions

The Commission may extend a delivery deadline, as described in Section 56, upon the request of Caltrans. No deadline may be extended more than once. However, there are separate deadlines for allocation, for award of a contract, for expenditures for project development or right-of-way, and for project completion, and each project component has its own deadlines. The Commission may consider the extension of each of these deadlines separately.

The Commission may grant a deadline extension only if it finds that an unforeseen and extraordinary circumstance beyond the control of Caltrans has occurred that justifies the extension. The extension will not exceed the period of delay directly attributable to the extraordinary circumstance and will in no event be for more than 20 months.

All requests for project delivery deadline extensions shall be submitted in accordance with Commission Meeting deadlines. The extension request should describe the specific circumstance that justifies the extension and identifies the delay directly attributable to that circumstance. Caltrans will forward extension requests to the Commission for action.

X. SHOPP DEVELOPMENT SCHEDULE AND PROCEDURES

56. SHOPP Development Schedule

The following schedule lists the major milestones for the development and adoption of the SHOPP:

Caltrans submits the proposed Ten-Year SHOPP Plan and TAMP	By January 31 of odd numbered years.
Commission reviews and comment on the Ten-Year SHOPP plan and TAMP	By May 1 of odd numbered years
Caltrans presents Draft Fund Estimate to the Commission	By July 15 of odd numbered years
Commission adopts Fund Estimate	By August 15 of odd numbered years
Caltrans to share initial draft of proposed SHOPP	By December of odd numbered year
Caltrans submits proposed SHOPP	By January 31 of even numbered years
Hearing in Northern California	February of even numbered years
Hearing in Southern California	March of even numbered years
Commission Adopts SHOPP and Submits to Legislature and Governor	By April 1 of even numbered years

XI. REPORTING AND ACCOUNTABILITY

57. Report on Targets and Performance Measures

Pursuant to Government Code Section 14526.7(b), Caltrans shall report to the Commission on its progress toward meeting the targets and performance measures consistent with the TAMP and 2027 targets set forth in SB 1. Caltrans will provide the Commission with quarterly status reports on its project delivery by November 15, February 15, May 15, and August 15 of each FY. The report shall include:

a. A list of completed projects by phase showing planned and actual performance measures including progress made towards achieving the Commission approved targets and 2027 targets set forth in SB 1.
b. A summary, by phase and fund type, of the funds programmed, allocated, and expended at the time the construction contract was accepted.
c. For projects with a total project cost of less than $50 million and a total SHOPP programmed amount (in right-of-way and/or construction) of less than $15 million, the information may be aggregated.
d. For projects with a total cost of $50 million or greater or a total SHOPP programmed amount (in right-of-way and/or construction) of $15 million or greater, each report shall also include a discussion of the project benefits that were anticipated prior to construction compared to an estimate of the actual benefits achieved.
e. The Commission staff, in consultation with Caltrans, shall develop a format and content requirement for the reports.

58. Report on Completed SHOPP Project

Pursuant to Government Code Section 14526.6 Caltrans shall report to the Commission quarterly, for projects which complete construction in the previous quarter, for all major state highway operation and protection program projects. Caltrans shall report to the Commission on the approved capital and support budgets compared to expenditures at construction contract acceptance for all projects in the SHOPP. Caltrans shall develop, in consultation with the Commission, a plain language performance report to increase transparency and accountability of the SHOPP.

59. Efficiencies

Pursuant to Streets and Highways Code section 2032.5(d), Caltrans shall implement efficiency measures with the goal to generate at least one hundred million dollars ($100,000,000) per year in savings to invest in maintenance and rehabilitation of the state highway system. These savings shall be reported to the Commission.

60. Accountability Reporting

Pursuant to Streets and Highways Code section 2032.5(a), Caltrans and the Commission shall implement the accountability and evaluation reporting:

a. For each fiscal year in which Caltrans receives an allocation of SHOPP funds, Caltrans shall submit documentation to the Commission that includes a description and the location of each completed project, the amount of funds expended on the project, the completion date, the project's estimated useful life, and the project's expected performance benefits.
b. Caltrans shall report quarterly and more often as requested by the Commission on the progress it has made in achieving the 2027 targets/goals set forth in SB 1 and the Commission's adopted targets.
c. Annually, the Commission shall evaluate the effectiveness of Caltrans in reducing deferred maintenance and improving road conditions on the state highway system, as demonstrated by the progress made in achieving 2027 targets/goals set forth in SB 1 and the Commission's adopted targets.
d. The Commission may make recommendations for improvement and may withhold future project allocations if it determines program funds are not being appropriately spent.
e. The Commission shall annually include any findings in its annual report to the Legislature pursuant to Government Code Section 14535.
f. Consistent with the approved Transportation Asset Management Plan (TAMP) and statutes, Caltrans shall develop a ten-year performance baseline plan for each asset, including intermediate annual benchmarks, against which the Commission will evaluate progress reported by Caltrans towards achieving both the 2027 asset performance targets and goals set forth in SB 1 and the Commission-approved performance targets in the TAMP. Caltrans shall bring forward recommendations for benchmarks to the Commission at the December 6-7, 2017 Commission meeting for approval and annually thereafter.

XII. APPENDICES

Appendix A: List of Acronyms
Appendix B: Statutory References
Appendix C: Commission Resolutions and Delegations
Appendix D: March 26, 2015 Commission Action Regarding Asset Management Plan

APPENDIX A
LIST OF ACRONYMS

CEQA ..... California Environmental Quality Act (State)
CMAQ ..... Congestion Mitigation and Air Quality Program (Federal)
Commission ..... California Transportation Commission
CTP ..... California Transportation Plan
FSTIP ..... Federal State Transportation Improvement Program (Federal)
FTIP ..... Federal Transportation Improvement Program (Federal)
FY ..... Fiscal Year
ITIP ..... Interregional Transportation Improvement Program (State)
ITS ..... Intelligent Transportation Systems
NEPA ..... National Environmental Policy Act (Federal)
PA&ED ..... Project Approval and Environmental Document
PID ..... Project Initiation Document
PPNO ..... Planning Program Number
PSR ..... Project Study Report
PS&E ..... Plans, Specifications, and Estimate
SHOPP ..... State Highway Operation and Protection Program
SHS ..... State Highway System
STIP ..... State Transportation Improvement Program
TIP ..... Transportation Improvement Program

APPENDIX B
STATUTORY REFERENCES

The Interim SHOPP Guidelines were developed and adopted consistent with:

a. Governor's Executive Orders, where applicable.
b. Government Code Sections 14526.4, 14526.6; 14526.5, 14526.7.
c. Streets and Highways Code Sections 164.6 and 167.
d. Public Resources Code Section 21102
e. The Road Repair and Accountability Act of 2017 (SB 1) Chapter 5, Statutes of 2017);
f. Commission Resolutions including, but not limited to: G-00-13, G-06-13, G-05-05, G-16-11, and G-16-12.
g. Commission approved actions specific to the Asset Management Plan on March 26, 2015 (Tab 26) regarding four asset classes.
h. Current best management practices including those related to the STIP and its authorities in accordance with Government Code Section 14530.1.
i. Compliance with all Federal and State requirements.

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EXHIBIT F: 2018 SHOPP County Listing of Projects

County	Page No.	County	Page No.
Alameda	F - 1	Orange	F - 142
Alpine	F - 13	Placer	F - 156
Amador	F - 14	Plumas	F - 159
Butte	F - 15	Riverside	F - 161
Calaveras	F - 19	Sacramento	F - 171
Colusa	F - 21	San Benito	F - 180
Contra Costa	F - 22	San Bernardino	F - 181
Del Norte	F - 26	San Diego	F - 193
El Dorado	F - 29	San Francisco	F - 206
Fresno	F - 32	San Joaquin	F - 209
Glenn	F - 37	San Luis Obispo	F - 218
Humboldt	F - 39	San Mateo	F - 222
Imperial	F - 49	Santa Barbara	F - 227
Inyo	F - 51	Santa Clara	F - 233
Kern	F - 52	Santa Cruz	F - 240
Kings	F - 59	Shasta	F - 244
Lake	F - 61	Sierra	F - 247
Lassen	F - 64	Siskiyou	F - 248
Los Angeles	F - 66	Solano	F - 251
Madera	F - 105	Sonoma	F - 254
Marin	F - 107	Stanislaus	F - 259
Mariposa	F - 110	Sutter	F - 262
Mendocino	F - 112	Tehama	F - 263
Merced	F - 119	Trinity	F - 267
Modoc	F - 123	Tulare	F - 271
Mono	F - 124	Tuolumne	F - 275
Monterey	F - 126	Ventura	F - 277
Napa	F - 133	Yolo	F - 284
Nevada	F - 137	Yuba	F - 287

2018 SHOPP Project List
Alameda
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
04-Alameda-80 4.5/R7.6 1488S 0415000183	In Berkeley and Albany, from Route 13 to east of El Cerrito Separation. Install median safety lighting and replace median concrete barrier.	3J700 2019-20	R/W: $25 Const: $14,587	PA&ED: $2,750 PS&E: $2,750 R/W Sup: $100 Con Sup: $2,625	Prior 18-19 18-19 19-20	PA&ED: 2/1/2019 R/W Cert: 4/1/2020 RTL: 4/1/2020 Begin Con: 11/30/2020
			Subtotal: $14,612	$8,225		
			Total Project Cost:	**$22,837**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 185 Collision(s) reduced			
04-Alameda-84 R0.7/R3.1 1493F 0416000005	In Fremont, from north end of Dumbarton Bridge to south of the Toll Plaza. Install outer separation barrier between route and frontage road.	4J750 2019-20	R/W: $3,280 Const: $15,560	PA&ED: $2,000 PS&E: $2,500 R/W Sup: $240 Con Sup: $2,500	Prior 18-19 18-19 19-20	PA&ED: 9/30/2018 R/W Cert: 3/1/2020 RTL: 4/1/2020 Begin Con: 12/7/2020
			Subtotal: $18,840	$7,240		
			Total Project Cost:	**$26,080**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 23 Collision(s) reduced			
04-Alameda-84 10.8/18.0 0076B 0414000039	In Fremont, from Route 238 (Mission Boulevard) to Route 680. Widen shoulders, install traffic signals and upgrade barriers.	2A332 2018-19	R/W: $2,000 Const: $19,500	PA&ED: $11,000 PS&E: $2,800 R/W Sup: $500 Con Sup: $4,000	Prior Prior Prior 18-19	PA&ED: 10/30/2017 R/W Cert: 2/1/2019 RTL: 4/16/2019 Begin Con: 12/8/2019
			Subtotal: $21,500	$18,300		
			Total Project Cost:	**$39,800**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 90 Collision(s) reduced			
04-Alameda-580 R1.3/R6.0 1495F 0416000125	Near Livermore, from Flynn Road to Grant Line Road. Install safety lighting and establish electrical service connection.	0K680 2019-20	R/W: $493 Const: $4,211	PA&ED: $962 PS&E: $806 R/W Sup: $104 Con Sup: $962	Prior 19-20 19-20 19-20	PA&ED: 6/1/2019 R/W Cert: 5/1/2020 RTL: 6/1/2020 Begin Con: 12/1/2020
			Subtotal: $4,704	$2,834		
			Total Project Cost:	**$7,538**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 65 Collision(s) reduced			

2018 SHOPP Project List
Alameda
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
04-Alameda-880 20.9 1491G 0416000001	In San Leandro, at the southbound Route 880/238 Connector offramp to Washington Avenue. Reconstruct and signalize offramp.	4J730 2019-20	R/W: Const:	$150 $3,445	PA&ED: PS&E: R/W Sup: Con Sup:	$1,200 $1,250 $125 $1,250	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2018 2/4/2020 5/4/2020 11/2/2020
			Subtotal:	$3,595		$3,825			
			Total Project Cost:			**$7,420**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		74 Collision(s) reduced				
04-Alameda-Var 1481B 0414000357	In Alameda County, on Routes 80, 84, and 880 at various locations; also in Contra Costa County on Routes 24 and 680 at various locations. Install High Friction Surface Treatment (HFST) at spot locations to enhance wet pavement conditions.	1J780 2020-21	R/W: Const:	$10 $6,311	PA&ED: PS&E: R/W Sup: Con Sup:	$1,118 $1,274 $104 $1,534	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2019 3/1/2021 6/1/2021 2/1/2022
			Subtotal:	$6,321		$4,030			
			Total Project Cost:			**$10,351**			
New			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		24 Collision(s) reduced				
04-Alameda-13 1492F 0416000054	In Alameda County, on Routes 13, 24, 580, 680, and 880 at various locations; also in Contra Costa County, on Routes 4, 24, 80, 160, and 680 at various locations. Install Rectangular Rapid Flashing Beacons (RRFBs) to enhance pedestrian safety at ramp termini and uncontrolled pedestrian crossings.	0K120 2021-22	R/W: Const:	$290 $8,237	PA&ED: PS&E: R/W Sup: Con Sup:	$1,261 $1,145 $229 $1,345	18-19 19-20 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	6/1/2020 3/1/2022 5/5/2022 11/2/2022
			Subtotal:	$8,527		$3,980			
			Total Project Cost:			**$12,507**			
New			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		80 Collision(s) reduced				
04-Alameda-13 0488Q 0414000003	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.	0J470 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	PA&ED: R/W Cert: RTL: Begin Con:	3/19/2018 11/1/2019 12/31/2019 6/1/2020
			Subtotal:	$5,130		$3,181			
			Total Project Cost:			**$8,311**			
Carryover			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		33 Collision(s) reduced				

2018 SHOPP Project List
Alameda
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
04-Alameda-13 1487Q 0415000088	In various cities, on various routes, at various locations. Crosswalk safety enhancements.	3J110 2018-19	R/W: Const:	$50 $4,040	PA&ED: PS&E: R/W Sup: Con Sup:	$786 $1,000 $214 $572	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	1/3/2018 4/1/2019 5/1/2019 12/30/2019
			Subtotal:	$4,090		$2,572			
			Total Project Cost:			**$6,662**			
Carryover			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		38 Collision(s) reduced				
04-Alameda-84 0448R 0414000287	In Oakland, San Leandro, Hayward and Fremont, on Routes 84, 92, 112, 185 and 238 at various locations. Crosswalk safety enhancements.	1J600 2018-19	R/W: Const:	$150 $2,803	PA&ED: PS&E: R/W Sup: Con Sup:	$453 $657 $23 $453	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	9/26/2017 1/15/2019 4/5/2019 12/2/2019
			Subtotal:	$2,953		$1,586			
			Total Project Cost:			**$4,539**			
Carryover			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		27 Collision(s) reduced				
04-Alameda-185 1487P 0415000099	In Oakland, San Leandro, Hayward, Union City and Fremont on Routes 185, 238, and 262 at various locations. Crosswalk safety enhancements.	3J190 2018-19	R/W: Const:	$10 $3,521	PA&ED: PS&E: R/W Sup: Con Sup:	$550 $740 $66 $830	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	2/15/2018 4/1/2019 5/1/2019 12/13/2019
			Subtotal:	$3,531		$2,186			
			Total Project Cost:			**$5,717**			
Carryover			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		231 Collision(s) reduced				
04-Alameda-580 1487M 0415000090	In various cities, on Routes 580, 680, 880, and 980 at various locations. Enhance pedestrian safety by installing Accessible Pedestrian Signals (APS) systems and countdown timers and upgrading crosswalk markings.	3J130 2021-22	R/W: Const:	$20 $6,068	PA&ED: PS&E: R/W Sup: Con Sup:	$940 $940 $130 $1,030	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2020 7/1/2021 7/15/2021 1/19/2022
			Subtotal:	$6,088		$3,040			
			Total Project Cost:			**$9,128**			
New			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		264 Collision(s) reduced				

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04-Alameda-580 1495E 0416000123	In Alameda County, on Routes 580 and 680 at various locations; also in Contra Costa County, on Routes 160 and 680 at various locations. Install concrete barrier to shield structure column from errant vehicles and upgrade existing guardrails to current standards.	0K650 2020-21	R/W: Const:	$70 $3,156	PA&ED: PS&E: R/W Sup: Con Sup:	$500 $800 $166 $800	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	2/2/2020 3/1/2021 6/1/2021 12/8/2021
			Subtotal:	$3,226		$2,266			
			Total Project Cost:			**$5,492**			
New			**Program Code**		201.015	Collision Severity Reduction			
			Performance Measure		15	Collision(s) reduced			
04-Alameda-580 1496A 0416000137	In Alameda and Contra Costa Counties, on various routes, at various locations. Upgrade advance warning signs to make standard.	0K770 2021-22	R/W: Const:	$108 $2,638	PA&ED: PS&E: R/W Sup: Con Sup:	$700 $700 $10 $700	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	6/1/2020 6/1/2021 6/30/2021 2/1/2022
			Subtotal:	$2,746		$2,110			
			Total Project Cost:			**$4,856**			
New			**Program Code**		201.015	Collision Severity Reduction			
			Performance Measure		31	Collision(s) reduced			
04-Alameda-580 0.1/R9.0 1494D 0416000025	In and near Livermore, from San Joaquin County line to 0.7 mile west of Greenville Road. Highway worker safety improvements.	4J940 2021-22	R/W: Const:	$183 $1,997	PA&ED: PS&E: R/W Sup: Con Sup:	$625 $400 $75 $525	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2020 11/1/2021 1/15/2022 5/1/2022
			Subtotal:	$2,180		$1,625			
			Total Project Cost:			**$3,805**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		14	Location(s)			
04-Alameda-880 4.8/11.3 1483N 0415000008	In Fremont, from north of Auto Mall Parkway to south of Fremont Boulevard at various locations. Highway worker safety improvements.	2J810 2018-19	R/W: Const:	$10 $4,918	PA&ED: PS&E: R/W Sup: Con Sup:	$660 $880 $44 $880	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/7/2018 5/23/2019 6/3/2019 12/20/2019
			Subtotal:	$4,928		$2,464			
			Total Project Cost:			**$7,392**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		83	Location(s)			

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04-Alameda-880 30.2/R33.6 1452N 0417000035	In Oakland, from south of 5th Avenue to north of 7th Street. Pave narrow strips and miscellaneous areas, construct Maintenance Vehicle Pullouts (MVPs) and upgrade crash cushions to reduce maintenance work and enhance highway worker safety.	2K820 2020-21	R/W: $5 Const: $2,170 Subtotal: $2,175 **Total Project Cost:**	PA&ED: $500 PS&E: $350 R/W Sup: $100 Con Sup: $450 $1,400 **$3,575**	18-19 19-20 19-20 20-21	PA&ED: 9/1/2019 R/W Cert: 1/1/2021 RTL: 2/1/2021 Begin Con: 8/1/2021
New			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 20 Location(s)			
MANDATES						
04-Alameda-880 R0.9/24.8 1453D 0416000036	In Oakland, Union City, and Fremont, and on Route 80 in Berkeley (PM 4.7) at various locations; also in Santa Clara County, in Milpitas at PM 8.9. Construct permanent Best Management Practices (BMPs) to achieve Statewide National Pollutant Discharge Eliminating System (NPDES) permit compliance units (CUs) for trash capture.	4J980 2020-21	R/W: $25 Const: $5,801 Subtotal: $5,826 **Total Project Cost:**	PA&ED: $1,060 PS&E: $800 R/W Sup: $26 Con Sup: $1,000 $2,886 **$8,712**	18-19 19-20 20-21 21-22	PA&ED: 3/1/2020 R/W Cert: 5/1/2021 RTL: 6/1/2021 Begin Con: 2/1/2022
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 60 Acre(s) treated/pollutant			
04-Alameda-185 0.4/10.1 0434J 0400021215	In Hayward, from A Street to Rose Street (PM 0.39 to 0.90); also in Oakland, from 55th Avenue to 50th Avenue (PM 9.75 to 10.09). Upgrade curb ramps, driveways, and sidewalks to make compliant with American with Disabilities Act (ADA) Standards.	2G740 2021-22	R/W: $195 Const: $5,017 Subtotal: $5,212 **Total Project Cost:**	PA&ED: $700 PS&E: $950 R/W Sup: $95 Con Sup: $950 $2,695 **$7,907**	18-19 19-20 19-20 21-22	PA&ED: 6/1/2020 R/W Cert: 2/1/2022 RTL: 6/1/2022 Begin Con: 12/1/2022
New			**Program Code** 201.361 Americans with Disabilities Act New Curb Ramps **Performance Measure** 31 Curb ramp(s)			
04-Alameda-13 T9.8/10.8 0144A 0400021103	In Oakland and Berkeley, from Hiller Drive to Claremont Avenue at various locations. Upgrade American with Disabilities Act (ADA) facilities.	2G660 2018-19	R/W: $200 Const: $2,673 Subtotal: $2,873 **Total Project Cost:**	PA&ED: $870 PS&E: $740 R/W Sup: $140 Con Sup: $580 $2,330 **$5,203**	Prior Prior Prior 18-19	PA&ED: 2/14/2018 R/W Cert: 5/20/2019 RTL: 6/3/2019 Begin Con: 12/2/2019
Carryover			**Program Code** 201.378 Americans with Disabilities Act Pedestrian Infrastructure **Performance Measure** 36 Curb ramp(s)			

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04-Alameda-13 10.8/12.1 0124M 0400020859	In Berkeley, from Claremont Avenue to west of Shattuck Avenue. Upgrade curb ramps and repair sidewalks to meet American with Disabilities Act (ADA) Standards.	2G460 2019-20	R/W: Const:	$120 $1,389	PA&ED: PS&E: R/W Sup: Con Sup:	$619 $543 $75 $423	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/11/2018 10/25/2019 11/1/2019 4/24/2020
			Subtotal:	$1,509		$1,660			
			Total Project Cost:			**$3,169**			
Carryover			**Program Code**		201.378	Americans with Disabilities Act Pedestrian Infrastructure			
			Performance Measure		47	Curb ramp(s)			
04-Alameda-13 12.1/13.4 0124L 0415000362	In Berkeley, from Shattuck Avenue to 7th Street. Upgrade curb ramps and sidewalks.	2G482 2018-19	R/W: Const:	$125 $3,500	PA&ED: PS&E: R/W Sup: Con Sup:	$455 $1,000 $200 $793	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	2/1/2016 7/2/2018 7/31/2018 3/29/2019
			Subtotal:	$3,625		$2,448			
			Total Project Cost:			**$6,073**			
Carryover			**Program Code**		201.378	Americans with Disabilities Act Pedestrian Infrastructure			
			Performance Measure		34	Structure(s)			
04-Alameda-185 3.3/9.8 0091P 0400020582	In Oakland and San Leandro, from Plaza Drive to 55th Avenue; also in Contra Costa County, in El Cerrito on Route 123 (PM 0.18/0.29) and in Pleasant Hill on Route 680 (PM 16.85), at various locations. Reinstall and/or upgrade existing curb ramps and sidewalks to American with Disabilities Act (ADA) Standards.	1G910 2019-20	R/W: Const:	$50 $2,252	PA&ED: PS&E: R/W Sup: Con Sup:	$446 $655 $102 $450	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2018 7/1/2019 8/1/2019 2/28/2020
			Subtotal:	$2,302		$1,653			
			Total Project Cost:			**$3,955**			
Carryover			**Program Code**		201.378	Americans with Disabilities Act Pedestrian Infrastructure			
			Performance Measure		66	Curb ramp(s)			
BRIDGE PRESERVATION									
04-Alameda-84 13.0/13.6 0084B 0400000429	In Fremont, at Alameda Creek Bridge No. 33 -36. Replace bridge.	16030 2018-19	R/W: Const:	$275 $24,000	PA&ED: PS&E: R/W Sup: Con Sup:	$6,500 $6,000 $299 $5,000	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	9/25/2017 3/1/2019 4/1/2019 12/8/2019
			Subtotal:	$24,275		$17,799			
			Total Project Cost:			**$42,074**			
Carryover			**Program Code**		201.110	Bridge Major Rehabilitation			
			Performance Measure		1	Bridge(s)			

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04-Alameda-580 R8.0 0480J 0414000009	Near Livermore, near Greenville Road at Greenville Overhead Bridge No. 33-0121R. Rehabilitate westbound structure.	0J520 2019-20	R/W: Const:	$140 $5,979	PA&ED: PS&E: R/W Sup: Con Sup:	$600 $900 $120 $1,000	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	1/15/2018 9/2/2019 10/1/2019 2/3/2020
			Subtotal:	$6,119		$2,620			
			Total Project Cost:			**$8,739**			
Carryover			**Program Code**		201.110 Bridge Major Rehabilitation				
			Performance Measure		1 Bridge(s)				
04-Alameda-580 R35.0 1494K 0416000091	In Oakland, at Foothill Boulevard Undercrossing No. 33-0334K. Bridge deck rehabilitation.	0K470 2019-20	R/W: Const:	 $360	PA&ED: PS&E: R/W Sup: Con Sup:	 $398 $21 $212	 Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	5/27/2017 12/31/2019 1/31/2020 8/31/2020
			Subtotal:	$360		$631			
			Total Project Cost:			**$991**			
Carryover			**Program Code**		201.110 Bridge Major Rehabilitation				
			Performance Measure		1 Bridge(s)				
04-Alameda-880 11.3/12.3 0480A 0414000010	In Fremont, from 0.5 mile south to 0.5 mile north of Patterson Slough Bridge No. 33-0250 (PM 11.8). Bridge rehabilitation.	0J530 2019-20	R/W: Const:	$427 $11,784	PA&ED: PS&E: R/W Sup: Con Sup:	$2,200 $1,980 $704 $2,420	Prior 19-20 19-20 19-20	PA&ED: R/W Cert: RTL: Begin Con:	5/22/2019 5/13/2020 6/1/2020 2/10/2021
			Subtotal:	$12,211		$7,304			
			Total Project Cost:			**$19,515**			
Carryover			**Program Code**		201.110 Bridge Major Rehabilitation				
			Performance Measure		1 Bridge(s)				
04-Alameda-84 17.0/17.4 0481M 0414000012	Near Sunol, at Arroyo De La Laguna Bridge No. 33-0043. Replace/rehabilitate bridge for scour mitigation, bridge rail upgrade, and seismic retrofit.	0J550 2021-22	R/W: Const:	$500 $13,000	PA&ED: PS&E: R/W Sup: Con Sup:	$1,863 $3,600 $250 $3,600	Prior 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2020 3/1/2022 4/1/2022 12/7/2022
			Subtotal:	$13,500		$9,313			
			Total Project Cost:			**$22,813**			
Carryover			**Program Code**		201.111 Bridge Scour Mitigation				
			Performance Measure		1 Bridge(s)				

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04-Alameda-880 15.6/26.5 1450C 0416000378	In Hayward, San Leandro, and Oakland, at Tennyson Road Overcrossing (OC) No. 33-0236 (PM 15.65), Washington Avenue OC No. 33 -0166 (PM 20.82), and Damon Slough Southboud onramp No. 33-0142K (PM 26.53); also on Route 77 in Oakland, at San Leandro OC No. 33-0284 (PM 0.29). Upgrade bridge rails, replace joint seals.	2K170 2021-22	R/W: $25 Const: $10,300	PA&ED: $800 PS&E: $1,500 R/W Sup: $250 Con Sup: $2,200	18-19 19-20 19-20 21-22	PA&ED: 3/16/2020 R/W Cert: 12/17/2021 RTL: 1/21/2022 Begin Con: 9/26/2022
			Subtotal: $10,325	$4,750		
			Total Project Cost:	**$15,075**		
New			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 2123.0 Linear feet			
04-Alameda-880 27.2 1483D 0415000005	In Oakland, at East Creek Slough Bridge No. 33 -0143. Mitigate eroded channel side-slope tidal scour and replace bridge approach slabs.	2J760 2021-22	R/W: $100 Const: $2,307	PA&ED: $1,000 PS&E: $850 R/W Sup: $160 Con Sup: $1,170	Prior 20-21 20-21 21-22	PA&ED: 6/15/2020 R/W Cert: 12/15/2021 RTL: 1/15/2022 Begin Con: 8/15/2022
			Subtotal: $2,407	$3,180		
			Total Project Cost:	**$5,587**		
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 1 Bridge(s)			
04-Alameda-80 1460R 0417000363	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)	4K810 2019-20	* R/W: $500 * Const: $105,489	PA&ED: $6,600 * PS&E: $7,800 * R/W Sup: $260 * Con Sup: $7,800	Prior 19-20 19-20 19-20	PA&ED: 11/18/2019 R/W Cert: 5/2/2020 RTL: 6/1/2020 Begin Con: 2/1/2021
			Subtotal: $105,989	$22,460		
			Total Project Cost:	**$128,449**		
			** Const, * R/W, * PS&E, * R/W Sup, * Con Sup phase(s) are NOT authorized*			
Carryover			**Program Code** 201.322 Trans Permit Requirements for Bridges **Performance Measure** 4 Bridge(s)			
04-Alameda-80 5.8 1452H 0417000030	In Berkeley, at University Avenue Overcrossing No. 33-0023. Establish standard vertical clearance. ACCELERATED BRIDGE (PA&ED Only)	2K830 2019-20	* R/W: $35 * Const: $27,678	PA&ED: $3,380 * PS&E: $3,000 * R/W Sup: $300 * Con Sup: $5,400	Prior 19-20 19-20 19-20	PA&ED: 5/3/2019 R/W Cert: 5/1/2020 RTL: 6/1/2020 Begin Con: 12/1/2020
			Subtotal: $27,713	$12,080		
			Total Project Cost:	**$39,793**		
			** Const, * R/W, * PS&E, * R/W Sup, * Con Sup phase(s) are NOT authorized*			
Carryover			**Program Code** 201.322 Trans Permit Requirements for Bridges **Performance Measure** 1 Bridge(s)			

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ROADWAY PRESERVATION						
04-Alameda-61 19.8/21.2 1452J 0417000013	In the city of Alameda, from Broadway/Encinal Avenue to Sherman Street. Pavement rehabilitation, upgrade Americans with Disabilities Act (ADA) curb ramps, and improve crosswalks.	2K710 2020-21	R/W: $5 Const: $4,874 Subtotal: $4,879	PA&ED: $1,220 PS&E: $1,200 R/W Sup: $22 Con Sup: $1,500 $3,942	Prior 19-20 19-20 20-21	PA&ED: 2/1/2020 R/W Cert: 3/1/2021 RTL: 5/1/2021 Begin Con: 11/1/2021
			Total Project Cost:	**$8,821**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 5.6 Lane mile(s)			
04-Alameda-84 6.9/10.8 1454C 0417000009	In Fremont, from Route 880 (PM 6.922) to Route 238. Rehabilitate pavement and upgrade curb ramps to make Americans with Disabilities Act (ADA) compliant.	2K690 2021-22	R/W: $173 Const: $12,874 Subtotal: $13,047	PA&ED: $2,080 PS&E: $2,340 R/W Sup: $780 Con Sup: $2,080 $7,280	18-19 19-20 19-20 21-22	PA&ED: 4/1/2020 R/W Cert: 12/1/2021 RTL: 2/1/2022 Begin Con: 9/1/2022
			Total Project Cost:	**$20,327**		
New			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 12.0 Lane mile(s)			
04-Alameda-185 0.4/5.7 1494C 0416000094	In and near Hayward and San Leandro, from A Street to Davis Street. Rehabilitate pavement and upgrade curb ramps to Americans with Disabilities Act (ADA) Standards.	0K490 2021-22	R/W: $40 Const: $14,928 Subtotal: $14,968	PA&ED: $1,417 PS&E: $2,093 R/W Sup: $375 Con Sup: $2,405 $6,290	18-19 19-20 20-21 21-22	PA&ED: 12/1/2019 R/W Cert: 7/1/2021 RTL: 8/2/2021 Begin Con: 2/23/2022
			Total Project Cost:	**$21,258**		
New			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 24.1 Lane mile(s)			
04-Alameda-880 R0.0/11.8 1454G 0417000010	In Fremont, from Santa Clara County line to north of Fremont Boulevard Overcrossing. Cold plane pavement, overlay with Rubberized Hot Mix Asphalt (RHMA-G) and Open Graded Friction Course (OGFC), upgrade Americans with Disabilities Act (ADA) curb ramps, upgrade metal beam guardrail, and replace loop detectors.	2K700 2021-22	R/W: $50 Const: $57,166 Subtotal: $57,216	PA&ED: $3,000 PS&E: $5,000 R/W Sup: $620 Con Sup: $5,400 $14,020	18-19 19-20 19-20 21-22	PA&ED: 3/2/2020 R/W Cert: 9/1/2021 RTL: 11/1/2021 Begin Con: 6/4/2022
			Total Project Cost:	**$71,236**		
New			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 90.2 Lane mile(s)			

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04-Alameda-580 0.0/7.8 8315X 0416000157	Near Livermore, from San Joaquin county line to east of Greenville overcrossing; also on Route 205 (PM 0.0/1.0) from San Joaquin county line to Midway Road undercrossing. Environmental mitigation for EA 3G590.	3G59C 2018-19	R/W: $2,100 Const:	PA&ED: PS&E: R/W Sup: $150 Con Sup:	 Prior	PA&ED: 9/15/2014 R/W Cert: 7/18/2018 RTL: 9/30/2018 Begin Con: 2/28/2019
			Subtotal: $2,100	$150		
			Total Project Cost:	**$2,250**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 0.0 Lane mile(s)			
04-Alameda-680 R12.4/R21.9 0481P 0414000019	In and near Pleasanton and Dublin, from north of Route 84 to Alcosta Boulevard. Roadway rehabilitation. (G13 Contingency)	0J620 2019-20	R/W: $75 * Const: $109,853	PA&ED: $7,150 PS&E: $7,150 R/W Sup: $1,500 * Con Sup: $16,400	Prior 18-19 18-19 19-20	PA&ED: 3/1/2019 R/W Cert: 6/1/2020 RTL: 6/1/2020 Begin Con: 3/30/2021
			Subtotal: $109,928	$32,200		
			Total Project Cost:	**$142,128**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 63.0 Lane mile(s)			
MOBILITY						
04-Alameda-Var 1464M 0417000431	In various counties, on various routes at various locations. Restore non-operational Transportation Management System (TMS) field elements by use of on-call Task Order service contracts.	0P380 2019-20	R/W: $10 Const: $15,990	PA&ED: $450 PS&E: $1,340 R/W Sup: $10 Con Sup: $3,000	Prior 18-19 18-19 19-20	PA&ED: 4/15/2019 R/W Cert: 8/15/2019 RTL: 12/30/2019 Begin Con: 8/1/2020
			Subtotal: $16,000	$4,800		
			Total Project Cost:	**$20,800**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 800 Field element(s)			
04-Alameda-80 1.9/4.0 1483H 0415000006	In Emeryville and Oakland, from San Francisco-Oakland Bay Bridge Toll Plaza to north of Powell Street; also in Oakland, on Routes 580 and 880, at various locations. Upgrade/replace Transportation Management System (TMS) elements.	2J830 2019-20	R/W: $12 Const: $5,135	PA&ED: $760 PS&E: $760 R/W Sup: $260 Con Sup: $1,044	Prior 18-19 18-19 19-20	PA&ED: 3/1/2019 R/W Cert: 4/1/2020 RTL: 5/1/2020 Begin Con: 12/24/2020
			Subtotal: $5,147	$2,824		
			Total Project Cost:	**$7,971**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 29 Field element(s)			

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04-Alameda-580 R30.8/46.5 1487A 0415000075	In and near Oakland and San Leandro, from Route 238 to Route 80. Install and upgrade Transportation Management System (TMS) elements.	3J050 2019-20	R/W: $10 Const: $17,970	PA&ED: $2,700 PS&E: $2,700 R/W Sup: $50 Con Sup: $3,600	Prior 18-19 18-19 19-20	PA&ED: 10/1/2018 R/W Cert: 4/16/2020 RTL: 6/15/2020 Begin Con: 11/16/2020
			Subtotal: $17,980	$9,050		
			Total Project Cost:	**$27,030**		
			Program Code	201.315 Transportation Management Systems		
Carryover			**Performance Measure**	89 Field element(s)		
04-Alameda-680 M0.0/R21.9 1463D 0414000305	In and near Fremont, Pleasanton, and Dublin, from 0.3 mile south of Scott Creek Road to 0.3 mile north of Alcosta Boulevard. Install ramp meters, ramp High Occupancy Vehicle (HOV) bypass lanes, and Traffic Operations Systems (TOS).	4G113 2018-19	R/W: $800 Const: $28,300	PA&ED: PS&E: $5,600 R/W Sup: $100 Con Sup: $5,600	 Prior Prior 18-19	PA&ED: 11/16/2016 R/W Cert: 6/15/2018 RTL: 6/15/2018 Begin Con: 1/28/2019
			Subtotal: $29,100	$11,300		
			Total Project Cost:	**$40,400**		
			Program Code	201.315 Transportation Management Systems		
Carryover			**Performance Measure**	46 Field element(s)		
04-Alameda-980 1.2 1464L 0417000430	In Oakland, at the District 4 Transportation Management Center (TMC). Upgrade or replace legacy TMC hardware components and related software by service contract to improve reliability and functionality.	0P370 2019-20	R/W: $10 Const: $2,570	PA&ED: $110 PS&E: $392 R/W Sup: $10 Con Sup: $262	Prior 18-19 18-19 19-20	PA&ED: 10/1/2018 R/W Cert: 9/1/2019 RTL: 12/1/2019 Begin Con: 11/1/2020
			Subtotal: $2,580	$774		
			Total Project Cost:	**$3,354**		
			Program Code	201.315 Transportation Management Systems		
Carryover			**Performance Measure**	1 Field element(s)		
04-Alameda-880 14.7 1482G 0414000488	In Hayward, at 500 feet north of Industrial Parkway West. Install weigh-in-motion system in both directions.	2J320 2018-19	R/W: $5 Const: $4,485	PA&ED: PS&E: $1,121 R/W Sup: $63 Con Sup: $1,121	 Prior Prior 18-19	PA&ED: 6/29/2015 R/W Cert: 12/28/2018 RTL: 4/26/2019 Begin Con: 11/29/2019
			Subtotal: $4,490	$2,305		
			Total Project Cost:	**$6,795**		
			Program Code	201.321 Weigh Stations		
Carryover			**Performance Measure**	2 Location(s)		

2018 SHOPP Project List
Alameda
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
ROADSIDE PRESERVATION									
04-Alameda-13 6.0/7.8 1453H 0417000023	In Oakland, from north of Redwood Road to north of La Salle Avenue; also on Route 238 in San Leandro, from Hesperian Boulevard to Route 880 (PM 16.3/16.7); and in Solano County on Route 80 in Vallejo, at Redwood Parkway (PM 4.0 to PM 4.5). Highway planting and irrigation system rehabilitation.	2K790 2020-21	R/W: Const:	$5 $2,530	PA&ED: PS&E: R/W Sup: Con Sup:	$600 $420 $50 $510	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	10/15/2019 11/15/2020 1/15/2021 8/15/2021
			Subtotal:	$2,535		$1,580			
			Total Project Cost:			**$4,115**			
			Program Code	201.210 Highway Planting Restoration					
New			**Performance Measure**	4.5 Acre(s)					
FACILITIES									
04-Alameda- 1462A 0417000383	In Oakland, at the Caltrans District 4 headquarters office building, 111 Grand Avenue. Rehabilitate the existing thirteen building elevators with new systems to extend service life, increase efficiency, and correct performance failures.	4K980 2019-20	R/W: Const:	$0 $4,728	PA&ED: PS&E: R/W Sup: Con Sup:	$260 $325 $0 $710	18-19 19-20 19-20	PA&ED: R/W Cert: RTL: Begin Con:	3/30/2019 2/28/2020 2/27/2020 6/3/2020
			Subtotal:	$4,728		$1,295			
			Total Project Cost:			**$6,023**			
			Program Code	201.353 Office Facilities					
New			**Performance Measure**	1 Location(s)					
MULTIPLE OBJECTIVE									
04-Alameda-980 1.2 1499J 0416000284	In Oakland, at the District 4 Transportation Management Center (TMC). Upgrade or replace legacy TMC software applications and interface components, and related system devices by service contract.	1K670 2019-20	R/W: Const:	 $3,687	PA&ED: PS&E: R/W Sup: Con Sup:	$111 $553 $12 $431	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2018 9/1/2019 12/1/2019 11/1/2020
			Subtotal:	$3,687		$1,107			
			Total Project Cost:			**$4,794**			
			Program Code	201.999 MULTIPLE OBJECTIVE					
Carryover			**Performance Measure**	1 Location(s)					

Alameda County

R/W:	$13,706	PA&ED:	$73,744
Const:	$614,071	PS&E:	$82,095
		R/W Sup:	$9,434
		Con Sup:	$98,317
Subtotal:	$627,777		$263,590
Total (Capital + Support):			**$891,367**

2018 SHOPP Project List
Alpine
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
BRIDGE PRESERVATION									
10-Alpine-88 3134 1013000009	Near Markleeville, on Routes 4, 88, and 89 at various locations. Bridge rail upgrade on four bridges.	0X750 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	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2018 2/10/2020 4/17/2020 9/8/2020
			Subtotal:	$5,764		$3,550			
			Total Project Cost:			**$9,314**			
Carryover			**Program Code**	201.112 Bridge Rail Replacement and Upgrade					
			Performance Measure	550.0 Linear feet					
ROADWAY PRESERVATION									
10-Alpine-4 3142 1014000100	In Alpine County on Routes 4, 88, and 89 at various locations. Rehabilitate culverts.	0S680 2019-20	R/W: Const:	$71 $3,319	PA&ED: PS&E: R/W Sup: Con Sup:	$870 $1,176 $359 $851	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2018 10/13/2019 1/2/2020 9/1/2020
			Subtotal:	$3,390		$3,256			
			Total Project Cost:			**$6,646**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	19 Culvert(s) (ea)					
10-Alpine-88 3138 1014000099	In Alpine County on Routes 4, 88 and 207; also in Amador County on Routes 16 and 49; also in Tuolumne County on Route 108; at various locations. Rehabilitate culverts.	0S750 2019-20	R/W: Const:	$269 $4,290	PA&ED: PS&E: R/W Sup: Con Sup:	$698 $1,043 $317 $762	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2018 12/1/2019 1/15/2020 9/1/2020
			Subtotal:	$4,559		$2,820			
			Total Project Cost:			**$7,379**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	36 Culvert(s) (ea)					

Alpine County

R/W:	$653	PA&ED:	$2,064
Const:	$13,060	PS&E:	$3,679
		R/W Sup:	$786
		Con Sup:	$3,097
Subtotal:	$13,713		$9,626
Total (Capital + Support):			**$23,339**

2018 SHOPP Project List
Amador
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
10-Amador-88 7.9/R65.8 3199 1016000136	Near Jackson, from 0.5 mile east of Route 104 to 5.5 miles west of Kirkwood Meadows Road at various locations. Upgrade guardrail to make standard.	1C360 2020-21	R/W: Const:	$10 $2,613	PA&ED: PS&E: R/W Sup: Con Sup:	$536 $851 $0 $711	18-19 20-21 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/1/2020 4/1/2021 4/15/2021 11/1/2021
			Subtotal:	$2,623		$2,098			
			Total Project Cost:			**$4,721**			
New			**Program Code**	201.015 Collision Severity Reduction					
			Performance Measure	69 Collision(s) reduced					
BRIDGE PRESERVATION									
10-Amador-49 0.0 3219 1017000004	Near Jackson, at Mokelumne River Bridge No. 26-0012. Upgrade bridge rails and widen shoulders.	0X752 2021-22	R/W: Const:	$185 $3,914	PA&ED: PS&E: R/W Sup: Con Sup:	$1,590 $2,010 $135 $2,055	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	6/30/2020 4/28/2022 5/2/2022 12/27/2022
			Subtotal:	$4,099		$5,790			
			Total Project Cost:			**$9,889**			
New			**Program Code**	201.112 Bridge Rail Replacement and Upgrade					
			Performance Measure	810.0 Linear feet					
ROADWAY PRESERVATION									
10-Amador-88 3119 1015000004	In Amador County, on Route 88 and in Tuolumne County of Routes 120,108 and 49, at various locations. Rehabilitate culverts.	1C690 2018-19	R/W: Const:	$26 $2,328	PA&ED: PS&E: R/W Sup: Con Sup:	$250 $448 $65 $616	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2018 12/1/2018 1/2/2019 8/15/2019
			Subtotal:	$2,354		$1,379			
			Total Project Cost:			**$3,733**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	35 Culvert(s) (ea)					

Amador County

R/W:	$221	PA&ED:	$2,376
Const:	$8,855	PS&E:	$3,309
		R/W Sup:	$200
		Con Sup:	$3,382
Subtotal:	$9,076		$9,267
Total (Capital + Support):			**$18,343**

2018 SHOPP Project List
Butte
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
03-Butte-70 46.0/47.0 2293 0318000012	Near Paradise, from 0.8 mile west to 0.2 mile east of Shady Rest Area. Restore and repair damaged roadway by raising the existing vertical alignment by approximately 5 feet and protecting the embankment against future flooding with Rock Slope Protection (RSP) or a retaining structure.	3H540 2020-21	R/W: $2,120 Const: $43,846	PA&ED: $1,700 PS&E: $4,200 R/W Sup: $400 Con Sup: $6,600	Prior 19-20 19-20 20-21	PA&ED: 10/11/2019 R/W Cert: 11/10/2020 RTL: 12/5/2020 Begin Con: 6/5/2021
			Subtotal: $45,966	$12,900		
			Total Project Cost:	**$58,866**		
			Program Code	201.131 Permanent Restoration		
Carryover			**Performance Measure**	1 Location(s)		
COLLISION REDUCTION						
03-Butte-32 7.6/7.9 2114 0317000084	In Chico, from West Sacramento Avenue (East) to West Sacramento Avenue (West). Construct two roundabouts.	2H240 2019-20	R/W: $1,789 Const: $2,332	PA&ED: $650 PS&E: $663 R/W Sup: $756 Con Sup: $565	Prior 18-19 18-19 19-20	PA&ED: 9/3/2018 R/W Cert: 2/1/2020 RTL: 3/1/2020 Begin Con: 7/30/2020
			Subtotal: $4,121	$2,634		
			Total Project Cost:	**$6,755**		
			Program Code	201.010 Safety Improvements		
Carryover			**Performance Measure**	58 Collision(s) reduced		
03-Butte-70 0.0/3.8 2296 0318000102	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.	3H930 2021-22	R/W: $3,218 Const: $28,750	PA&ED: $3,400 PS&E: $3,000 R/W Sup: $2,500 Con Sup: $3,200	Prior 19-20 19-20 21-22	PA&ED: 4/1/2020 R/W Cert: 10/1/2021 RTL: 10/15/2021 Begin Con: 6/17/2022
			Subtotal: $31,968	$12,100		
			Total Project Cost:	**$44,068**		
			Program Code	201.010 Safety Improvements		
Carryover			**Performance Measure**	35 Collision(s) reduced		
03-Butte-70 5.6/8.8 2295 0318000054	Near Oroville, from 0.3 mile north of Cox Lane to south of Palermo Road. Widen for two-way left-turn lane and standard shoulders, and provide a roadside clear recovery zone.	3H720 2019-20	R/W: $3,220 Const: $25,350	PA&ED: $980 PS&E: $2,180 R/W Sup: $1,590 Con Sup: $3,540	Prior 18-19 18-19 19-20	PA&ED: 7/18/2018 R/W Cert: 5/15/2019 RTL: 6/1/2019 Begin Con: 12/1/2019
			Subtotal: $28,570	$8,290		
			Total Project Cost:	**$36,860**		
			Program Code	201.010 Safety Improvements		
Carryover			**Performance Measure**	35 Collision(s) reduced		

2018 SHOPP Project List
Butte
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-Butte-70 8.8/11.8 2294 0318000053	Near Oroville, from south of Palermo Road to north of Ophir Road. Widen for two-way left-turn lane and standard shoulders, and provide a roadside clear recovery zone.	3H710 2019-20	R/W: Const:	$480 $23,130	PA&ED: PS&E: R/W Sup: Con Sup:	$850 $2,240 $2,320 $3,700	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/18/2018 12/1/2018 1/2/2019 7/1/2019
			Subtotal:	$23,610		$9,110			
			Total Project Cost:			**$32,720**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		58 Collision(s) reduced				
03-Butte-162 18.4/19.9 2635 0317000166	In and near Oroville, from Foothill Boulevard to the Gold Country Casino entrance. Construct two-way left-turn lane and widen shoulders.	2H630 2019-20	R/W: Const:	$1,645 $14,075	PA&ED: PS&E: R/W Sup: Con Sup:	$927 $1,769 $2,023 $1,913	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	12/1/2018 3/5/2020 3/20/2020 9/15/2020
			Subtotal:	$15,720		$6,632			
			Total Project Cost:			**$22,352**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		50 Collision(s) reduced				
MANDATES									
03-Butte-32 R8.8/9.5 2112 0314000288	In Chico, from Walnut Street to Poplar Street. Upgrade Americans with Disabilities Act (ADA) facilities.	4F800 2018-19	R/W: Const:	 $2,900	PA&ED: PS&E: R/W Sup: Con Sup:	$405 $650 $375 $935	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	10/2/2017 8/1/2018 8/25/2018 4/1/2019
			Subtotal:	$2,900		$2,365			
			Total Project Cost:			**$5,265**			
Carryover			**Program Code**		201.361 Americans with Disabilities Act New Curb Ramps				
			Performance Measure		34 Curb ramp(s)				
BRIDGE PRESERVATION									
03-Butte-99 14.9/15.7 2425 0314000101	Near Richvale, at Cottonwood Creek Bridge No. 12-0120, from 0.3 mile south to 0.5 mile north of Nelson Avenue. Replace and realign scour-critical bridge.	0F290 2019-20	R/W: Const:	$590 $6,814	PA&ED: PS&E: R/W Sup: Con Sup:	$700 $1,390 $270 $2,200	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	5/1/2018 10/1/2019 10/15/2019 5/15/2020
			Subtotal:	$7,404		$4,560			
			Total Project Cost:			**$11,964**			
Carryover			**Program Code**		201.111 Bridge Scour Mitigation				
			Performance Measure		1 Bridge(s)				

2018 SHOPP Project List
Butte
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-Butte-99 13.3/45.9 2433 0315000145	In and near Chico, from north of Route 162 to north of Broyles Road. Bridge rail upgrade at six locations.	0H330 2019-20	R/W: Const:	$363 $5,235	PA&ED: PS&E: R/W Sup: Con Sup:	$610 $1,230 $160 $1,425	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	2/1/2018 8/15/2019 8/15/2019 4/1/2020
			Subtotal:	$5,598		$3,425			
			Total Project Cost:			**$9,023**			
Carryover			**Program Code**	201.112 Bridge Rail Replacement and Upgrade					
			Performance Measure	999.0 Linear feet					

ROADWAY PRESERVATION

02-Butte-70 22.0/48.0 3588 0215000051	Near Pulga, from 3.0 miles west of Coal Canyon Road to Plumas County line at various locations. Drainage system restoration.	0H560 2019-20	R/W: Const:	$290 $2,525	PA&ED: PS&E: R/W Sup: Con Sup:	$780 $760 $1,060 $850	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/1/2018 9/4/2019 10/11/2019 2/13/2020
			Subtotal:	$2,815		$3,450			
			Total Project Cost:			**$6,265**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	25 Culvert(s) (ea)					

MOBILITY

03-Butte-99 28.3/T37.8 2437 0317000010	In and near Chico, from Estates Drive to Garner Lane. Install Intelligent Transportation System (ITS) elements.	1H860 2020-21	R/W: Const:	$35 $8,470	PA&ED: PS&E: R/W Sup: Con Sup:	$561 $1,177 $41 $1,352	Prior 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2019 7/2/2020 8/1/2020 1/2/2021
			Subtotal:	$8,505		$3,131			
			Total Project Cost:			**$11,636**			
Carryover			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	9.4 Mile(s) of cable					

ROADSIDE PRESERVATION

03-Butte-70 2438 0317000067	In Butte County, on Route 70 at approximately 7.0 miles south of Oroville; also in Colusa County on Route 20 at approximately 4.0 miles east of Colusa. Advance mitigation credit purchases for future SHOPP construction projects expected to impact sensitive habitats.	2H140 2019-20	R/W: Const:	$1,764	PA&ED: PS&E: R/W Sup: Con Sup:	$53 $16 $61	Prior 19-20 19-20	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2019 10/1/2021 10/15/2021
			Subtotal:	$1,764		$130			
			Total Project Cost:			**$1,894**			
Carryover			**Program Code**	201.240 Roadside Enhancement					
			Performance Measure	2 Location(s)					

2018 SHOPP Project List
Butte
($1,000)

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

Butte County

R/W:	$15,514	PA&ED:	$11,616
Const:	$163,427	PS&E:	$19,275
		R/W Sup:	$11,556
		Con Sup:	$26,280
Subtotal:	$178,941		$68,727
Total (Capital + Support):			**$247,668**

2018 SHOPP Project List
Calaveras
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
10-Calaveras-26 21.4/38.3 3132 1013000264	Near Mokelumne Hill and West Point, at various locations from 5.4 miles west of Ridge Road to the Amador County line. Stabilize failing and eroded slopes.	0V480 2021-22	R/W: $1,817 Const: $10,548	PA&ED: $1,323 PS&E: $1,978 R/W Sup: $31 Con Sup: $3,242	18-19 20-21 20-21 21-22	PA&ED: 8/1/2020 R/W Cert: 6/1/2022 RTL: 6/1/2022 Begin Con: 1/2/2023
			Subtotal: $12,365	$6,574		
			Total Project Cost:	**$18,939**		
New			**Program Code** 201.131 Permanent Restoration **Performance Measure** 26 Location(s)			
COLLISION REDUCTION						
10-Calaveras-4 3220 1017000042	In Calaveras and Amador Counties, on Routes 4 and 26 at various locations. Install centerline and edge-line rumble strips.	1F740 2018-19	R/W: $5 Const: $2,300	PA&ED: $60 PS&E: $840 R/W Sup: $5 Con Sup: $640	Prior Prior Prior 18-19	PA&ED: 11/28/2017 R/W Cert: 7/16/2018 RTL: 8/31/2018 Begin Con: 3/5/2019
			Subtotal: $2,305	$1,545		
			Total Project Cost:	**$3,850**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 24 Collision(s) reduced			
BRIDGE PRESERVATION						
10-Calaveras-4 16.1 3255 1017000154	Near Angels Camp, at West Branch Cherokee Creek Bridge No. 30-0036. Replace bridge.	1H500 2021-22	R/W: $278 Const: $2,000	PA&ED: $605 PS&E: $1,392 R/W Sup: $103 Con Sup: $1,241	Prior 19-20 19-20 21-22	PA&ED: 8/6/2019 R/W Cert: 2/4/2021 RTL: 8/11/2021 Begin Con: 2/28/2022
			Subtotal: $2,278	$3,341		
			Total Project Cost:	**$5,619**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
10-Calaveras-26 3247 1015000128	Near West Point, at South Fork Mokelumne River Bridge No. 30-0022 (PM 30.0), and at North Fork Mokelumne River Bridge No. 30 -0049 (PM 38.3); also on Route 4 in Angels Camp, at Angels Creek Bridge No. 30-0008 (PM R21.4). Upgrade bridge railing at three structures, also seismic retrofit at one location.	0X751 2021-22	R/W: $8 Const: $4,536	PA&ED: $757 PS&E: $1,604 R/W Sup: $60 Con Sup: $1,540	18-19 20-21 20-21 21-22	PA&ED: 8/3/2020 R/W Cert: 5/3/2021 RTL: 8/2/2021 Begin Con: 1/3/2022
			Subtotal: $4,544	$3,961		
			Total Project Cost:	**$8,505**		
New			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 808.0 Linear feet			

2018 SHOPP Project List
Calaveras
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
MOBILITY									
10-Calaveras-4 29.2/29.4 3245 1017000006	Near Murphys, from Pennsylvania Gulch Road to Main Street/Lawrence Street. Traffic operational improvements.	0W870 2020-21	R/W: Const:	$10 $2,161	PA&ED: PS&E: R/W Sup: Con Sup:	$524 $1,306 $30 $772	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	9/25/2019 9/21/2020 1/20/2021 7/19/2021
			Subtotal:	$2,171		$2,632			
			Total Project Cost:			**$4,803**			
			Program Code	201.310 Operational Improvements					
New			**Performance Measure**	41.4 Daily vehicle hour(s) of delay (DVHD)					
MULTIPLE OBJECTIVE									
10-Calaveras-4 R10.3/16.4 3067A 1018000164	Near Copperopolis and Angels Camp, from 2.0 miles east of Main Street to Stallion Way. Realign roadwayroadway, implement safety features by improving shoulder width, and rehabilitate culverts.	0E531 2020-21	R/W: Const:		PA&ED: PS&E: R/W Sup: Con Sup:	 $10,325	 20-21	PA&ED: R/W Cert: RTL: Begin Con:	1/10/2017 7/1/2020 7/31/2020 9/1/2020
			Subtotal:			$10,325			
			Total Project Cost:			**$10,325**			
			Program Code	201.999 MULTIPLE OBJECTIVE					
New			**Performance Measure**	12.2 Centerline mile(s)					

Calaveras County

R/W:	$2,118	PA&ED:	$3,269
Const:	$21,545	PS&E:	$7,120
		R/W Sup:	$229
		Con Sup:	$17,760
Subtotal:	$23,663		$28,378
Total (Capital + Support):			**$52,041**

2018 SHOPP Project List
Colusa
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
03-Colusa-20 34.8/36.5 2951 0316000003	Near Colusa, from Niagara Avenue to 0.3 mile west of Steidlmayer Road. Widen shoulders to 8 feet to provide adequate recoverable space for errant vehicles.	0H650 2021-22	R/W: Const:	$4,700 $5,900	PA&ED: PS&E: R/W Sup: Con Sup:	$860 $1,120 $580 $1,460	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2020 4/1/2022 4/1/2022 9/1/2022
			Subtotal:	$10,600		$4,020			
			Total Project Cost:			**$14,620**			
New			**Program Code**		201.015	Collision Severity Reduction			
			Performance Measure		79	Collision(s) reduced			
03-Colusa-5 R24.3 2793 0314000162	Near Maxwell, at the Maxwell Safety Roadside Rest Area. Upgrade water and wastewater systems to current standards.	4F430 2018-19	R/W: Const:	$16 $3,880	PA&ED: PS&E: R/W Sup: Con Sup:	$420 $460 $30 $810	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	2/1/2018 12/1/2018 1/2/2019 6/1/2019
			Subtotal:	$3,896		$1,720			
			Total Project Cost:			**$5,616**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		1	Location(s)			

Colusa County

R/W:	$4,716	PA&ED:	$1,280
Const:	$9,780	PS&E:	$1,580
		R/W Sup:	$610
		Con Sup:	$2,270
Subtotal:	$14,496		$5,740
Total (Capital + Support):			**$20,236**

2018 SHOPP Project List
Contra Costa
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
04-Contra Costa-24 1.0/R2.5 1418C 0414000411	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 and upgrade median barrier.	1J990 2018-19	R/W: $313 Const: $5,050 Subtotal: $5,363	PA&ED: $736 PS&E: $725 R/W Sup: $64 Con Sup: $760 $2,285	Prior 18-19 18-19 18-19	PA&ED: 5/1/2018 R/W Cert: 5/20/2019 RTL: 6/17/2019 Begin Con: 3/10/2020
			Total Project Cost:	**$7,648**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 65 Collision(s) reduced			
04-Contra Costa-80 0.0/13.5 1497F 0416000044	In various cities, from Alameda County line to 0.6 mile west of Solano County line; also in Alameda County in Albany, from 0.4 mile west to the Contra Costa County line (PM R7.6/8.0). Install lighting and upgrade concrete barrier.	0K160 2021-22	R/W: $254 Const: $52,621 Subtotal: $52,875	PA&ED: $6,869 PS&E: $6,869 R/W Sup: $1,374 Con Sup: $7,327 $22,439	Prior 20-21 20-21 21-22	PA&ED: 10/1/2020 R/W Cert: 1/1/2022 RTL: 4/1/2022 Begin Con: 10/1/2022
			Total Project Cost:	**$75,314**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 460 Collision(s) reduced			
04-Contra Costa-4 1487N 0415000091	In Contra Costa County, on Routes 4, 24, 80, 123, 242, 580, and 680 at various locations. Install Accessible Pedestrian Signals (APS) systems and pedestrian countdown timers, and refresh crosswalk markings with high-visibility striping to enhance pedestrian safety.	3J140 2021-22	R/W: $20 Const: $7,487 Subtotal: $7,507	PA&ED: $1,108 PS&E: $1,108 R/W Sup: $80 Con Sup: $1,400 $3,696	18-19 19-20 19-20 21-22	PA&ED: 1/1/2020 R/W Cert: 6/1/2021 RTL: 8/1/2021 Begin Con: 3/1/2022
			Total Project Cost:	**$11,203**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 333 Collision(s) reduced			
04-Contra Costa-4 0.0/R20.4 0481U 0414000004	In and near Hercules, Martinez, and Concord, at various locations from Route 80 to 0.3 mile east of Bailey Road. Upgrade guardrail to make standard.	0J480 2021-22	R/W: $10 Const: $12,400 Subtotal: $12,410	PA&ED: $1,000 PS&E: $1,400 R/W Sup: $52 Con Sup: $1,500 $3,952	19-20 19-20 20-21 21-22	PA&ED: 2/3/2020 R/W Cert: 6/1/2021 RTL: 10/1/2021 Begin Con: 4/1/2022
			Total Project Cost:	**$16,362**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 225 Collision(s) reduced			

2018 SHOPP Project List
Contra Costa
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
04-Contra Costa-4 R31.0/48.2 1492H 0416000026	In and near Antioch and Brentwood, from 0.6 mile east of Route 160 to Old River Bridge. Construct and modify Maintenance Vehicle Pullouts (MVPs) to improve highway worker safety.	4J950 2021-22	R/W: Const:	$72 $1,234	PA&ED: PS&E: R/W Sup: Con Sup:	$928 $663 $40 $530	18-19 20-21 21-22 21-22	PA&ED: R/W Cert: RTL: Begin Con:	11/1/2020 2/1/2022 3/1/2022 10/1/2022
			Subtotal:	$1,306		$2,161			
			Total Project Cost:			**$3,467**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		15	Location(s)			
04-Contra Costa-80 0.0/14.1 1483P 0415000009	In various cities from the Alameda County line to the Solano County line; also on Route 242, 580, and 680 at various locations. Construct maintenance worker safety improvements	2J820 2019-20	R/W: Const:	$5 $2,630	PA&ED: PS&E: R/W Sup: Con Sup:	$455 $637 $5 $692	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	1/2/2018 8/9/2019 8/30/2019 3/24/2020
			Subtotal:	$2,635		$1,789			
			Total Project Cost:			**$4,424**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		27	Location(s)			
BRIDGE PRESERVATION									
04-Contra Costa-580 1.2 1482Q 0415000016	In Richmond, at Stege Drain Bridge No. 28 -0091. Bridge rehabilitation.	2J720 2019-20	R/W: Const:	$5 $5,828	PA&ED: PS&E: R/W Sup: Con Sup:	$700 $876 $117 $876	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	11/30/2018 8/1/2019 4/20/2020 10/12/2020
			Subtotal:	$5,833		$2,569			
			Total Project Cost:			**$8,402**			
Carryover			**Program Code**		201.110	Bridge Major Rehabilitation			
			Performance Measure		1	Bridge(s)			
04-Contra Costa-4 R12.9 0298X 0418000298	Near Martinez, at Grayson Creek Bridge No. 28 -0066 R/L. Replace bridges by Financial Contribution Only (FCO) to Contra Costa Transportation Authority.	22913 2018-19	R/W: Const:	 $20,500	PA&ED: PS&E: R/W Sup: Con Sup:	 $100	 18-19	PA&ED: R/W Cert: RTL: Begin Con:	2/19/2009 7/6/2018 7/13/2018 12/31/2018
			Subtotal:	$20,500		$100			
			Total Project Cost:			**$20,600**			
New			**Program Code**		201.111	Bridge Scour Mitigation			
			Performance Measure		2	Bridge(s)			

2018 SHOPP Project List
Contra Costa
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
04-Contra Costa-24 R3.5 1493A 0416000027	In Orinda, at St. Stephens Drive Overcrossing No. 28-0111. Seismic retrofit.	4J840 2021-22	R/W: $38 Const: $2,067	PA&ED: $925 PS&E: $1,175 R/W Sup: $175 Con Sup: $375	18-19 19-20 19-20 21-22	PA&ED: 4/13/2020 R/W Cert: 1/4/2022 RTL: 2/21/2022 Begin Con: 12/22/2022
			Subtotal: $2,105	$2,650		
			Total Project Cost:	**$4,755**		
New			**Program Code** 201.113 Bridge Seismic Restoration **Performance Measure** 1 Bridge(s)			

ROADWAY PRESERVATION

04-Contra Costa-4 R14.3/24.3 1462R 0417000014	In and near Concord and Pittsburg, from Route 242 to Loveridge Road. Rehabilitate pavement, upgrade curb ramps to make Americans with Disabilities Act (ADA) compliant and upgrade guardrail to make standard.	2K720 2021-22	R/W: $93 Const: $55,281	PA&ED: $2,720 PS&E: $6,400 R/W Sup: $780 Con Sup: $8,320	18-19 20-21 20-21 21-22	PA&ED: 6/1/2020 R/W Cert: 3/1/2022 RTL: 6/1/2022 Begin Con: 12/1/2022
			Subtotal: $55,374	$18,220		
			Total Project Cost:	**$73,594**		
New			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 95.0 Lane mile(s)			
04-Contra Costa-242 R0.0/R3.4 0269H 0412000159	In Concord, from Route 680 to Route 4. Pavement rehabilitation.	26980 2019-20	R/W: $15 Const: $11,774	PA&ED: $990 PS&E: $1,210 R/W Sup: $110 Con Sup: $1,430	Prior 18-19 18-19 19-20	PA&ED: 6/29/2018 R/W Cert: 3/4/2020 RTL: 6/30/2020 Begin Con: 12/18/2020
			Subtotal: $11,789	$3,740		
			Total Project Cost:	**$15,529**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 20.4 Lane mile(s)			
04-Contra Costa-80 10.1/13.5 1487E 0415000077	In and near Hercules, Rodeo, and Crocket, from Route 4 to the Carquinez Bridge. Roadway rehabilitation. (G13 Contingency)	3J070 2021-22	R/W: $28 * Const: $61,317	PA&ED: $3,083 PS&E: $4,624 R/W Sup: $206 * Con Sup: $7,501	Prior 19-20 19-20 21-22	PA&ED: 4/1/2020 R/W Cert: 12/1/2021 RTL: 2/1/2022 Begin Con: 11/15/2022
			Subtotal: $61,345	$15,414		
			Total Project Cost:	**$76,759**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 21.9 Lane mile(s)			

2018 SHOPP Project List
Contra Costa

($1,000)

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

Contra Costa County

R/W:	$853	PA&ED:	$19,514
Const:	$238,189	PS&E:	$25,787
		R/W Sup:	$3,003
		Con Sup:	$30,711
Subtotal:	$239,042		$79,015
Total (Capital + Support):			**$318,057**

2018 SHOPP Project List
Del Norte
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
01-Del Norte-101 21.2 1122 0116000137	Near Crescent City, at 0.2 mile north of Cushing Creek Viaduct. Restore roadway to pre-slide condition.	0G210 2019-20	R/W: $18 Const: $10,148	PA&ED: $1,488 PS&E: $2,276 R/W Sup: $116 Con Sup: $3,974	Prior 18-19 18-19 19-20	PA&ED: 12/1/2018 R/W Cert: 2/15/2020 RTL: 3/1/2020 Begin Con: 11/15/2020
			Subtotal: $10,166	$7,854		
			Total Project Cost:	**$18,020**		
Carryover			**Program Code**	201.131 Permanent Restoration		
			Performance Measure	1 Location(s)		
COLLISION REDUCTION						
01-Del Norte-199 10.2/10.7 1121 0116000128	Near Gasquet, from 0.7 to 0.3 mile south of Hardscrabble Creek Bridge. Install High Friction Surface Treatment (HFST), signs, guardrail, and centerline rumble strip.	0G130 2019-20	R/W: $25 Const: $1,570	PA&ED: $402 PS&E: $507 R/W Sup: $93 Con Sup: $393	Prior 18-19 18-19 19-20	PA&ED: 12/1/2018 R/W Cert: 12/16/2019 RTL: 1/13/2020 Begin Con: 6/6/2020
			Subtotal: $1,595	$1,395		
			Total Project Cost:	**$2,990**		
Carryover			**Program Code**	201.010 Safety Improvements		
			Performance Measure	20 Collision(s) reduced		
MANDATES						
01-Del Norte-101 25.6/27.3 1095 0113000023	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 2019-20	R/W: $621 Const: $4,340	PA&ED: $669 PS&E: $595 R/W Sup: $1,234 Con Sup: $530	Prior 19-20 19-20 19-20	PA&ED: 6/15/2018 R/W Cert: 6/5/2020 RTL: 6/22/2020 Begin Con: 10/30/2020
			Subtotal: $4,961	$3,028		
			Total Project Cost:	**$7,989**		
Carryover			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps		
			Performance Measure	87 Curb ramp(s)		
BRIDGE PRESERVATION						
01-Del Norte-101 36.1 0100V 0100000193	Near Crescent City from 0.2 mile north of the Smith River Overflow Bridge. Replace bridge.	43640 2020-21	R/W: $3,900 Const: $50,448	PA&ED: $10,942 PS&E: $4,200 R/W Sup: $650 Con Sup: $12,250	Prior 18-19 Prior 20-21	PA&ED: 12/1/2019 R/W Cert: 3/19/2021 RTL: 4/19/2021 Begin Con: 12/10/2021
			Subtotal: $54,348	$28,042		
			Total Project Cost:	**$82,390**		
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation		
			Performance Measure	1 Bridge(s)		

2018 SHOPP Project List
Del Norte
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
01-Del Norte-101 39.8 1113 0115000108	Near the Smith River community, at Dominie Creek. Replace box culvert with new bridge and remediate fish passage barrier.	0F310 2019-20	R/W: Const:	$151 $5,852	PA&ED: PS&E: R/W Sup: Con Sup:	$1,068 $1,141 $154 $1,643	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	1/15/2019 1/3/2020 1/17/2020 7/22/2020
			Subtotal:	$6,003		$4,006			
			Total Project Cost:			**$10,009**			
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation					
			Performance Measure	1 Bridge(s)					
01-Del Norte-101 8.2/8.7 1072 0100020444	Near Klamath, at Panther Creek Bridge No. 01 -0025 and at Hunter Creek Bridge No. 01-0003. Seismic retrofit.	0B090 2018-19	R/W: Const:	$5,589 $13,756	PA&ED: PS&E: R/W Sup: Con Sup:	$2,159 $3,720 $373 $3,282	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	7/1/2018 7/1/2019 6/3/2019 6/15/2020
			Subtotal:	$19,345		$9,534			
			Total Project Cost:			**$28,879**			
Carryover			**Program Code**	201.113 Bridge Seismic Restoration					
			Performance Measure	2 Bridge(s)					
ROADWAY PRESERVATION									
01-Del Norte-199 1.1/36.3 1055 0114000074	In Del Norte County, at various locations from north of Elk Valley Cross Road to south of the Oregon State line. Culvert rehabilitation and fish passage.	48800 2019-20	R/W: Const:	$166 $4,998	PA&ED: PS&E: R/W Sup: Con Sup:	$1,100 $1,135 $82 $1,221	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	1/1/2019 2/1/2020 3/1/2020 8/1/2020
			Subtotal:	$5,164		$3,538			
			Total Project Cost:			**$8,702**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	18 Culvert(s) (ea)					
01-Del Norte-199 33.5/33.9 1115 0116000005	Near the Oregon State line, from 0.1 mile to 0.5 mile north of Collier Safety Roadside Rest Area (SRRA). Upgrade lighting and power control system at the Randolph Collier Tunnel No. 01 -0049.	0F430 2020-21	R/W: Const:	 $2,082	PA&ED: PS&E: R/W Sup: Con Sup:	$355 $1,213 $86 $949	18-19 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2019 7/1/2020 8/1/2020 1/1/2021
			Subtotal:	$2,082		$2,603			
			Total Project Cost:			**$4,685**			
New			**Program Code**	201.170 Signs and Lighting Rehabilitation					
			Performance Measure	158 Lighting fixture(s)					

2018 SHOPP Project List
Del Norte
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
MOBILITY									
01-Del Norte-101 R5.1/R5.6 1110 0115000094	In Klamath, from 0.2 mile south to 0.3 mile north of Ehlers Way. Extend the left turn pocket, install acceleration lane for left turns, and extend acceleration lane for right turns at the intersection of Ehlers Way and Route 101.	0F240 2021-22	R/W:	$446	PA&ED:	$697	18-19	PA&ED:	10/1/2020
			Const:	$1,581	PS&E:	$847	20-21	R/W Cert:	10/1/2021
					R/W Sup:	$15	20-21	RTL:	11/1/2021
					Con Sup:	$649	21-22	Begin Con:	6/1/2022
			Subtotal:	$2,027		$2,208			
			Total Project Cost:			**$4,235**			
			Program Code	201.310 Operational Improvements					
New			**Performance Measure**	.2 Daily vehicle hour(s) of delay (DVHD)					
FACILITIES									
01-Del Norte-199 28.1 1117 0116000060	Near Gasquet, at the Idlewild Maintenance Station. Construct new office space building, and rehabilitate water system and septic system.	0F760 2021-22	R/W:	$20	PA&ED:	$561	18-19	PA&ED:	4/1/2020
			Const:	$3,960	PS&E:	$1,565	19-20	R/W Cert:	7/1/2021
					R/W Sup:	$43	19-20	RTL:	8/1/2021
					Con Sup:	$2,038	21-22	Begin Con:	2/1/2022
			Subtotal:	$3,980		$4,207			
			Total Project Cost:			**$8,187**			
			Program Code	201.352 Maintenance Facilities					
New			**Performance Measure**	1 Location(s)					

Del Norte County

R/W:	$10,936	PA&ED:	$19,441
Const:	$98,735	PS&E:	$17,199
		R/W Sup:	$2,846
		Con Sup:	$26,929
Subtotal:	$109,671		$66,415
Total (Capital + Support):			**$176,086**

2018 SHOPP Project List
El Dorado
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
03-El Dorado-50 33.8/34.0 3326 0318000001	Near Pollock Pines, east of Sly Park Road. Permanently restore roadway by mitigating the progression of recurring roadway slipout.	3H450 2019-20	R/W: $230 Const: $12,300	PA&ED: $840 PS&E: $2,360 R/W Sup: $80 Con Sup: $2,600	Prior 18-19 18-19 19-20	PA&ED: 1/4/2019 R/W Cert: 10/1/2019 RTL: 10/15/2019 Begin Con: 5/15/2020
			Subtotal: $12,530	$5,880		
			Total Project Cost:	**$18,410**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 1 Location(s)			
03-El Dorado-193 22.8/24.3 3631 0316000188	Near Placerville, at 1.1 miles north of the South Fork American River Bridge (PM 22.8/22.9); also at 2.5 miles north of the South Fork American River Bridge (PM 24.2/24.3). Restore embankment slope slipouts.	1H600 2018-19	R/W: $13 Const: $6,042	PA&ED: $1,039 PS&E: $1,201 R/W Sup: $106 Con Sup: $1,144	Prior 18-19 18-19 18-19	PA&ED: 7/1/2018 R/W Cert: 2/1/2019 RTL: 2/28/2019 Begin Con: 9/15/2019
			Subtotal: $6,055	$3,490		
			Total Project Cost:	**$9,545**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 2 Location(s)			
COLLISION REDUCTION						
03-El Dorado-50 6.5 3316 0316000153	In Cameron Park, at Cameron Park Drive. Improve sight distance and upgrade curb ramps.	1H440 2018-19	R/W: $83 Const: $1,200	PA&ED: $150 PS&E: $530 R/W Sup: $9 Con Sup: $450	Prior Prior Prior 18-19	PA&ED: 12/1/2017 R/W Cert: 10/1/2018 RTL: 10/1/2018 Begin Con: 5/1/2019
			Subtotal: $1,283	$1,139		
			Total Project Cost:	**$2,422**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 16 Collision(s) reduced			
03-El Dorado-50 21.9/24.5 3290 0314000039	Near Placerville and Camino, from 0.2 mile west of Still Meadows Road to 0.4 mile east of Upper Carson Road. Install median barrier, widen shoulders, construct acceleration/deceleration lane, construct an undercrossing, and construct access to the undercrossing from local roads.	4E620 2018-19	R/W: $3,000 Const: $32,000	PA&ED: $2,500 PS&E: $3,500 R/W Sup: $1,200 Con Sup: $5,800	Prior Prior Prior 18-19	PA&ED: 2/2/2018 R/W Cert: 5/1/2019 RTL: 5/1/2019 Begin Con: 9/1/2019
			Subtotal: $35,000	$13,000		
			Total Project Cost:	**$48,000**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 117 Collision(s) reduced			

2018 SHOPP Project List
El Dorado
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-El Dorado-50 0.0/70.6 3318 0317000011	In Yolo, Sacramento and El Dorado Counties, in and near the cities of West Sacramento, Sacramento, Rancho Cordova, Folsom, and Placerville, from Route 80 to Route 89 at various locations. Upgrade guardrail to make standard.	1H870 2020-21	R/W: Const:	$5 $2,000	PA&ED: PS&E: R/W Sup: Con Sup:	$271 $461 $129 $570	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2019 9/1/2020 10/1/2020 4/1/2021
			Subtotal:	$2,005		$1,431			
			Total Project Cost:			**$3,436**			
New			**Program Code**	201.015 Collision Severity Reduction					
			Performance Measure	20 Collision(s) reduced					
03-El Dorado-50 0.0/80.4 3311 0315000200	In El Dorado County, from the Sacramento County line to east of Stateline Avenue. Upgrade guard rail to current standards.	0H500 2018-19	R/W: Const:	$16 $3,450	PA&ED: PS&E: R/W Sup: Con Sup:	$150 $360 $55 $475	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	4/11/2017 10/1/2018 10/1/2018 4/1/2019
			Subtotal:	$3,466		$1,040			
			Total Project Cost:			**$4,506**			
Carryover			**Program Code**	201.015 Collision Severity Reduction					
			Performance Measure	5 Collision(s) reduced					
03-El Dorado-50 R11.0/R31.6 3313 0316000010	In El Dorado, Butte, Placer, Sacramento, Sutter, and Yolo Counties, on Routes 50, 65, 70, 80, 89, and 99 at various locations. Upgrade crash cushions and sand barrel arrays to make more durable.	0H680 2020-21	R/W: Const:	$10 $2,600	PA&ED: PS&E: R/W Sup: Con Sup:	$90 $170 $30 $460	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/1/2019 10/1/2020 10/1/2020 4/1/2021
			Subtotal:	$2,610		$750			
			Total Project Cost:			**$3,360**			
New			**Program Code**	201.015 Collision Severity Reduction					
			Performance Measure	20 Collision(s) reduced					
BRIDGE PRESERVATION									
03-El Dorado-50 R27.9/R29.8 6923 0317000152	Near Pollock Pines, at Sawmill Undercrossing No. 25-0041; also at Sly Park Road (PM R30.17/R31.3). Replace bridge, restore culverts, and add highway lighting.	0H341 2019-20	R/W: Const:	$53 $8,850	PA&ED: PS&E: R/W Sup: Con Sup:	$230 $690 $11 $1,660	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	11/15/2017 8/15/2019 9/1/2019 12/15/2019
			Subtotal:	$8,903		$2,591			
			Total Project Cost:			**$11,494**			
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation					
			Performance Measure	1 Bridge(s)					

2018 SHOPP Project List
El Dorado
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
03-El Dorado-50 R2.7/R13.8 3315 0316000050	Near Cameron Park and Shingle Springs, from east of Silva Valley Parkway to west of El Dorado Road. Rehabilitate culverts.	1H040 2021-22	R/W: $180 Const: $3,900	PA&ED: $630 PS&E: $570 R/W Sup: $540 Con Sup: $940	18-19 19-20 19-20 21-22	PA&ED: 2/1/2020 R/W Cert: 2/1/2022 RTL: 2/1/2022 Begin Con: 8/1/2022
			Subtotal: $4,080	$2,680		
			Total Project Cost:	**$6,760**		
New			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 28 Culvert(s) (ea)			
03-El Dorado-50 R13.7/22.5 3317 0317000003	In and near Placerville, from west of El Dorado Road to 0.1 mile east of Braeburn Lane. Rehabilitate deteriorated culverts and provide access for wildlife crossing the route.	1H800 2021-22	R/W: $930 Const: $4,500	PA&ED: $290 PS&E: $890 R/W Sup: $180 Con Sup: $1,440	18-19 19-20 19-20 21-22	PA&ED: 5/1/2020 R/W Cert: 8/1/2021 RTL: 8/15/2021 Begin Con: 12/15/2021
			Subtotal: $5,430	$2,800		
			Total Project Cost:	**$8,230**		
New			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 36 Culvert(s) (ea)			
MOBILITY						
03-El Dorado-50 0.0/80.4 3312 0315000202	In El Dorado County, from the Sacramento County line to east of Stateline Avenue. Upgrade new Transportation Management System (TMS) elements.	0H520 2019-20	R/W: $150 Const: $9,150	PA&ED: $500 PS&E: $1,000 R/W Sup: $580 Con Sup: $1,620	Prior Prior Prior 19-20	PA&ED: 9/1/2017 R/W Cert: 1/15/2020 RTL: 2/1/2020 Begin Con: 9/1/2020
			Subtotal: $9,300	$3,700		
			Total Project Cost:	**$13,000**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 51 Field element(s)			

El Dorado County

R/W:	$4,670	PA&ED:	$6,690
Const:	$85,992	PS&E:	$11,732
		R/W Sup:	$2,920
		Con Sup:	$17,159
Subtotal:	$90,662		$38,501
Total (Capital + Support):			**$129,163**

2018 SHOPP Project List
Fresno
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
06-Fresno-43 0.0/7.3 6886 0617000082	Near Selma, from Kings County line to East Mountain View Avenue. Construct rumble strips and update pavement delineation.	0V980 2018-19	R/W: Const: $1,026	PA&ED: PS&E: $750 R/W Sup: $22 Con Sup: $202	 Prior Prior 18-19	PA&ED: 6/26/2017 R/W Cert: 8/1/2018 RTL: 9/17/2018 Begin Con: 3/15/2019
			Subtotal: $1,026	$974		
			Total Project Cost:	**$2,000**		
Carryover			**Program Code**	201.010 Safety Improvements		
			Performance Measure	16 Collision(s) reduced		
06-Fresno-168 11.7/R36.2 6866 0616000136	In Fresno County, between Shepherd Avenue and Lockwood Lane and Lodge Road Park and Ride and Tollhouse/Auberry Roads. Construct centerline rumble strip.	0V320 2018-19	R/W: $1 Const: $742	PA&ED: $220 PS&E: $635 R/W Sup: $1 Con Sup: $404	Prior Prior Prior 18-19	PA&ED: 2/15/2018 R/W Cert: 9/3/2018 RTL: 9/10/2018 Begin Con: 1/10/2019
			Subtotal: $743	$1,260		
			Total Project Cost:	**$2,003**		
Carryover			**Program Code**	201.010 Safety Improvements		
			Performance Measure	26 Collision(s) reduced		
06-Fresno-5 0.0/1.7 6736 0615000040	Near Coalinga and Kettleman City, at the Coalinga-Avenal Safety Roadside Rest Area (SRRA) from Kings County line to Quist Undercrossing; also in Kings County, from 0.2 mile south of Avenal Cutoff Road to Fresno County line (PM 26.4/26.7). Repair aging water and wastewater systems.	0T230 2018-19	R/W: $102 Const: $4,350	PA&ED: $122 PS&E: $783 R/W Sup: $4 Con Sup: $1,000	Prior Prior Prior 18-19	PA&ED: 10/2/2017 R/W Cert: 11/5/2018 RTL: 1/11/2019 Begin Con: 7/1/2019
			Subtotal: $4,452	$1,909		
			Total Project Cost:	**$6,361**		
Carryover			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	2 Location(s)		
MANDATES						
06-Fresno-33 69.3/70.9 6747 0615000043	In Firebaugh, from south of Morris Kyle Drive to Clyde Fannon Drive. Construct continuous accessible pedestrian path to comply with Americans with Disabilities Act (ADA) Standards.	0T250 2018-19	R/W: $616 Const: $2,085	PA&ED: $221 PS&E: $780 R/W Sup: $240 Con Sup: $475	Prior Prior Prior 18-19	PA&ED: 6/9/2017 R/W Cert: 3/29/2019 RTL: 4/1/2019 Begin Con: 10/15/2019
			Subtotal: $2,701	$1,716		
			Total Project Cost:	**$4,417**		
Carryover			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps		
			Performance Measure	19 Curb ramp(s)		

2018 SHOPP Project List
Fresno
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
BRIDGE PRESERVATION						
06-Fresno-5 44.4/45.4 6725 0615000046	Near Mendota, at Tumey Gulch Bridge No. 42 -0246L/R. Replace bridge.	0S830 2019-20	R/W: $79 Const: $10,898	PA&ED: $850 PS&E: $1,900 R/W Sup: $4 Con Sup: $2,800	Prior 18-19 18-19 19-20	PA&ED: 7/31/2018 R/W Cert: 1/3/2020 RTL: 2/3/2020 Begin Con: 7/3/2020
			Subtotal: $10,977	$5,554		
			Total Project Cost:	**$16,531**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 2 Bridge(s)			
06-Fresno-180 92.2 6766 0614000047	Near Squaw Valley, at Mill Creek Bridge No. 42-0080; also near Cedar Grove, at South Fork Kings River Bridge No. 42-0024 (PM 130.1). Bridge rail upgrade.	0Q900 2018-19	R/W: $4 Const: $3,153	PA&ED: $480 PS&E: $923 R/W Sup: $10 Con Sup: $814	Prior Prior Prior 18-19	PA&ED: 1/15/2018 R/W Cert: 1/21/2019 RTL: 2/25/2019 Begin Con: 9/2/2019
			Subtotal: $3,157	$2,227		
			Total Project Cost:	**$5,384**		
Carryover			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 535.0 Linear feet			
06-Fresno-33 6773 0615000296	In Fresno County, at Colony Main Canal Bridge No. 42-0031, Helm Canal Bridge No. 42-0033 and Poso Canal Bridge No. 42-0034; also in Kern County, on Route 58 at Main Drain Canal Bridge No. 50-0013. Repair erosion, clean and encase piers in concrete.	0U000 2020-21	R/W: $375 Const: $1,782	PA&ED: $538 PS&E: $893 R/W Sup: $334 Con Sup: $805	Prior 19-20 19-20 20-21	PA&ED: 10/1/2019 R/W Cert: 1/1/2021 RTL: 2/1/2021 Begin Con: 7/15/2021
			Subtotal: $2,157	$2,570		
			Total Project Cost:	**$4,727**		
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 4 Bridge(s)			
06-Fresno-41 R22.0/R22.6 6771 0615000310	In Fresno, at the South Fresno Viaduct No. 42 -0226L/R. Replace failed joint seals and rehabilitate worn bridge decks with polyester concrete overlay.	0U160 2018-19	R/W: $291 Const: $7,050	PA&ED: $237 PS&E: $750 R/W Sup: $20 Con Sup: $1,574	Prior Prior Prior 18-19	PA&ED: 9/29/2017 R/W Cert: 7/1/2018 RTL: 9/1/2018 Begin Con: 2/15/2019
			Subtotal: $7,341	$2,581		
			Total Project Cost:	**$9,922**		
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 2 Bridge(s)			

2018 SHOPP Project List
Fresno
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
06-Fresno-99 R5.7/11.1 6800 0616000004	In and near Selma and Fowler, from 0.1 south of Rose Avenue Undercrossing to Merced Street Undercrossing. Replace pavement with Continuous Reinforced Concrete Pavement (CRCP). Update curb ramps to meet current Americans with Disabilities Act (ADA) Standards. (G13 Contingency)	0U420 2019-20	R/W: $56 * Const: $86,000	PA&ED: $845 PS&E: $2,000 R/W Sup: $24 * Con Sup: $11,000	Prior 18-19 18-19 19-20	PA&ED: 12/3/2018 R/W Cert: 12/13/2019 RTL: 1/24/2020 Begin Con: 9/2/2020
			Subtotal: $86,056	$13,869		
			Total Project Cost:	**$99,925**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 32.4 Lane mile(s)			
06-Fresno-168 18.6/T25.5 6809 0615000298	Near Prather, from Sample Road to Oak Creek Road. Upgrade barrier railing, cold plane pavement, place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt (RHMA) pavement.	0U450 2019-20	R/W: $5 Const: $5,000	PA&ED: $750 PS&E: $1,230 R/W Sup: $1 Con Sup: $1,140	Prior 18-19 18-19 19-20	PA&ED: 2/15/2019 R/W Cert: 3/13/2020 RTL: 3/26/2020 Begin Con: 9/18/2020
			Subtotal: $5,005	$3,121		
			Total Project Cost:	**$8,126**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 14.6 Lane mile(s)			
06-Fresno-99 R0.9/R5.0 6727 0615000038	In and near Kingsburg, from Route 201 to south of Second Street. Roadway rehabilitation.	0S460 2018-19	R/W: $375 Const: $39,851	PA&ED: $577 PS&E: $1,496 R/W Sup: $43 Con Sup: $5,000	Prior Prior Prior 18-19	PA&ED: 8/3/2017 R/W Cert: 10/4/2018 RTL: 11/6/2018 Begin Con: 6/4/2019
			Subtotal: $40,226	$7,116		
			Total Project Cost:	**$47,342**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 16.2 Lane mile(s)			
06-Fresno-198 R14.5/R18.2 6802 0614000030	In Fresno County, at various locations; also in Kern County, on Route 119 at various locations. Replace damaged drainage systems.	0R110 2018-19	R/W: $165 Const: $1,206	PA&ED: PS&E: $1,184 R/W Sup: $463 Con Sup: $454	 Prior Prior 18-19	PA&ED: 5/22/2017 R/W Cert: 3/1/2019 RTL: 4/1/2019 Begin Con: 10/14/2019
			Subtotal: $1,371	$2,101		
			Total Project Cost:	**$3,472**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 7 Culvert(s) (ea)			

2018 SHOPP Project List
Fresno
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MOBILITY						
06-Fresno-41 R27.6/R28.3 6879 0617000103	Near Fresno, from the northbound Ashlan Avenue onramp to the northbound Shaw Avenue offramp. Construct northbound auxiliary lane and add an additional lane to the Shaw Avenue offramp.	0W170 2021-22	R/W: $7 Const: $14,700	PA&ED: $1,300 PS&E: $2,400 R/W Sup: $150 Con Sup: $4,400	18-19 19-20 19-20 21-22	PA&ED: 11/15/2019 R/W Cert: 7/23/2021 RTL: 8/23/2021 Begin Con: 2/18/2022
			Subtotal: $14,707	$8,250		
			Total Project Cost:	**$22,957**		
New			**Program Code** 201.310 Operational Improvements **Performance Measure** 163 Daily vehicle hour(s) of delay (DVHD)			
06-Fresno-41 R20.0/33.4 6881 0616000234	In and near the city of Fresno, from 0.1 mile south of North Avenue to the Madera County line; also on Route 99 (PM 19.36 to PM 21.9), Route 168 (PM R0.2L/R to PM R9.7), and Route 180 (PM R58.55 to PM R59.85). Replace and upgrade existing communication elements for the Traffic Management System (TMS).	0V780 2020-21	R/W: $30 Const: $16,010	PA&ED: $619 PS&E: $1,809 R/W Sup: $165 Con Sup: $1,791	Prior 18-19 18-19 20-21	PA&ED: 12/1/2018 R/W Cert: 1/4/2021 RTL: 3/1/2021 Begin Con: 8/16/2021
			Subtotal: $16,040	$4,384		
			Total Project Cost:	**$20,424**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 89 Field element(s)			
06-Fresno-99 6883 0617000067	In Fresno County, on Routes 99, 41, 168, and 180 at various locations; also in Madera County, on Route 99 at various locations. Repair vehicle detection systems.	0V930 2019-20	R/W: $119 Const: $3,036	PA&ED: $800 PS&E: $1,017 R/W Sup: $450 Con Sup: $1,056	Prior 18-19 18-19 19-20	PA&ED: 9/3/2018 R/W Cert: 12/2/2019 RTL: 12/16/2019 Begin Con: 6/1/2020
			Subtotal: $3,155	$3,323		
			Total Project Cost:	**$6,478**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 20 Field element(s)			
ROADSIDE PRESERVATION						
06-Fresno-41 R21.0/R31.0 6888 0616000209	In the city of Fresno, from 0.1 mile south of Jensen Avenue Overcrossing to Alluvial Avenue Undercrossing. Replace irrigation system with a water efficient system.	0V750 2019-20	R/W: $1 Const: $1,576	PA&ED: $0 PS&E: $552 R/W Sup: $1 Con Sup: $460	 18-19 18-19 19-20	PA&ED: 2/7/2017 R/W Cert: 7/1/2019 RTL: 8/7/2019 Begin Con: 2/28/2020
			Subtotal: $1,577	$1,013		
			Total Project Cost:	**$2,590**		
New			**Program Code** 201.210 Highway Planting Restoration **Performance Measure** 214 Acre(s)			

2018 SHOPP Project List
Fresno
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
06-Fresno-168 R0.0/R11.7 6851 0616000034	In Fresno and Clovis, at various locations between Route 180/168 Separation and Shepherd Avenue. Replace black potable water irrigation valves with purple scrubber valves for recycled irrigation water.	0U760 2020-21	R/W: Const:	$2 $1,449	PA&ED: PS&E: R/W Sup: Con Sup:	$2 $524 $2 $370	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	9/30/2018 6/1/2020 7/10/2020 12/1/2020
			Subtotal:	$1,451		$898			
			Total Project Cost:			**$2,349**			

Program Code 201.210 Highway Planting Restoration

New

Performance Measure 30 Acre(s)

Fresno County

R/W:	$2,228	PA&ED:	$7,561
Const:	$199,914	PS&E:	$19,626
		R/W Sup:	$1,934
		Con Sup:	$33,745
Subtotal:	$202,142		$62,866
Total (Capital + Support):			**$265,008**

2018 SHOPP Project List
Glenn
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
03-Glenn-5 R3.2/R27.9 3709 0313000019	In and near Willows and Orland, from north of County Road 68 to north of County Road 7. Pave beyond the gore areas, install vegetation control under guardrail, construct Maintenance Vehicle Pullouts (MVPs), and trim trees and shrubs to improve highway worker safety.	3F500 2020-21	R/W: Const:	$10 $2,000	PA&ED: PS&E: R/W Sup: Con Sup:	$280 $420 $80 $540	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/1/2019 7/2/2020 8/1/2020 2/15/2021
			Subtotal:	$2,010		$1,320			
			Total Project Cost:			**$3,330**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		50	Location(s)			
03-Glenn-5 R14.6 3710 0314000161	Near Willows, at the Willows Safety Roadside Rest Area (SRRA). Upgrade potable water and wastewater systems.	4F420 2019-20	R/W: Const:	$20 $4,100	PA&ED: PS&E: R/W Sup: Con Sup:	$540 $550 $60 $1,180	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2018 7/2/2019 7/2/2019 2/15/2020
			Subtotal:	$4,120		$2,330			
			Total Project Cost:			**$6,450**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		1	Location(s)			
MANDATES									
03-Glenn-32 L0.0/0.8 3788 0314000291	In Orland, from Route 5 to Woodward Avenue. Upgrade pedestrian infrastructure to meet Americans with Disabilities Act (ADA) requirements.	4F810 2019-20	R/W: Const:	$88 $700	PA&ED: PS&E: R/W Sup: Con Sup:	$240 $405 $465 $260	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2018 9/1/2019 10/1/2019 4/1/2020
			Subtotal:	$788		$1,370			
			Total Project Cost:			**$2,158**			
Carryover			**Program Code**		201.361	Americans with Disabilities Act New Curb Ramps			
			Performance Measure		113	Curb ramp(s)			
BRIDGE PRESERVATION									
03-Glenn-162 76.3/78.6 2633 0312000052	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)	3F060 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	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2019 9/1/2021 10/15/2021 4/1/2022
			Subtotal:	$38,000		$16,000			
			Total Project Cost:			**$54,000**			
			** Const, * R/W, * PS&E, * R/W Sup, * Con Sup phase(s) are NOT authorized*						
New			**Program Code**		201.113	Bridge Seismic Restoration			
			Performance Measure		1	Bridge(s)			

2018 SHOPP Project List
Glenn
($1,000)

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

Glenn County

R/W:	$4,118	PA&ED:	$6,560
Const:	$40,800	PS&E:	$6,875
		R/W Sup:	$1,605
		Con Sup:	$5,980
Subtotal:	$44,918		$21,020
Total (Capital + Support):			**$65,938**

2018 SHOPP Project List
Humboldt

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
01-Humboldt-36 10.5/10.8 2415 0115000076	Near Carlotta, from 0.1 mile east of Riverside Park Road to 0.4 mile east of Riverside Park Road. Curve correction.	0F160 2019-20	R/W: $309 Const: $2,240	PA&ED: $910 PS&E: $904 R/W Sup: $174 Con Sup: $537	Prior 18-19 18-19 19-20	PA&ED: 1/15/2019 R/W Cert: 1/1/2020 RTL: 1/15/2020 Begin Con: 7/1/2020
			Subtotal: $2,549	$2,525		
			Total Project Cost:	**$5,074**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 20 Collision(s) reduced			
01-Humboldt-101 77.9/79.5 2481 0117000128	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.	0H200 2021-22	R/W: $493 Const: $5,563	PA&ED: $1,265 PS&E: $1,080 R/W Sup: $717 Con Sup: $1,421	Prior 19-20 19-20 21-22	PA&ED: 1/21/2020 R/W Cert: 7/14/2021 RTL: 8/1/2021 Begin Con: 12/22/2021
			Subtotal: $6,056	$4,483		
			Total Project Cost:	**$10,539**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 413 Collision(s) reduced			
01-Humboldt-101 78.1/79.6 2393 0114000123	In Eureka, on 4th Street from Broadway to Y Street. Restripe to add traffic and bicycle lanes, construct pedestrian bulb-outs and Americans with Disabilities Act (ADA) ramps, and install or modify signals.	0E680 2018-19	R/W: $360 Const: $6,254	PA&ED: $1,114 PS&E: $690 R/W Sup: $362 Con Sup: $1,236	Prior 18-19 18-19 18-19	PA&ED: 7/1/2018 R/W Cert: 6/1/2019 RTL: 6/15/2019 Begin Con: 1/23/2020
			Subtotal: $6,614	$3,402		
			Total Project Cost:	**$10,016**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 503 Collision(s) reduced			
01-Humboldt-101 87.8/R91.5 7024 0117000013	In and near Arcata, between West End Road and School Road at four locations. Construct shoulder rumble strip, upgrade guardrail, construct guardrail slope retaining wall, and place High Friction Surface Treatment (HFST).	0G510 2019-20	R/W: Const: $1,301	PA&ED: $394 PS&E: $582 R/W Sup: $90 Con Sup: $616	Prior 18-19 18-19 19-20	PA&ED: 4/1/2019 R/W Cert: 11/1/2019 RTL: 11/1/2019 Begin Con: 4/1/2020
			Subtotal: $1,301	$1,682		
			Total Project Cost:	**$2,983**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 30 Collision(s) reduced			

2018 SHOPP Project List
Humboldt

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
01-Humboldt-299 R14.7/R15.7 2435 0116000045	Near Blue Lake, from 2.2 miles east of Simpson Road to 3.2 miles east of Simpson Road. Widen shoulders, and install rumble strips and guardrailing.	0F690 2019-20	R/W: Const: $1,386	PA&ED: $498 PS&E: $697 R/W Sup: $9 Con Sup: $642	Prior 18-19 18-19 19-20	PA&ED: 9/1/2018 R/W Cert: 7/1/2019 RTL: 7/1/2019 Begin Con: 12/1/2019
			Subtotal: $1,386	$1,846		
			Total Project Cost:	**$3,232**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 13 Collision(s) reduced			
01-Humboldt-299 20.5/30.2 2427 0116000010	Near Willow Creek, from 1.5 mile east of East Bair Road to 0.4 mile west of Cedar Creek Road, at various locations. Widen shoulders.	0F460 2019-20	R/W: $127 Const: $6,886	PA&ED: $986 PS&E: $864 R/W Sup: $21 Con Sup: $921	Prior 18-19 18-19 19-20	PA&ED: 8/1/2018 R/W Cert: 8/1/2019 RTL: 8/1/2019 Begin Con: 12/1/2019
			Subtotal: $7,013	$2,792		
			Total Project Cost:	**$9,805**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 40 Collision(s) reduced			
01-Humboldt-299 30.7/37.7 2426 0116000011	Near Willow Creek, from 0.1 mile east of Cedar Creek Road to 1.1 miles west of Route 96. Widen shoulders, place High Friction Surface Treatment (HFST), install rumble strips, guardrail, and cable net drapery.	0F470 2019-20	R/W: $19 Const: $11,388	PA&ED: $1,640 PS&E: $1,668 R/W Sup: $45 Con Sup: $2,518	Prior 18-19 18-19 19-20	PA&ED: 7/1/2018 R/W Cert: 7/1/2019 RTL: 8/1/2019 Begin Con: 1/1/2020
			Subtotal: $11,407	$5,871		
			Total Project Cost:	**$17,278**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 118 Collision(s) reduced			
01-Humboldt-299 38.9/39.5 2434 0116000044	Near Willow Creek, from 0.1 mile west of Willow Way to Panther Road. Widen shoulders, upgrade Americans with Disabilities Act (ADA) curb ramps, and install a bus turn-out.	0F680 2019-20	R/W: $211 Const: $2,594	PA&ED: $1,108 PS&E: $1,306 R/W Sup: $238 Con Sup: $1,103	Prior 19-20 19-20 19-20	PA&ED: 9/1/2019 R/W Cert: 6/1/2020 RTL: 6/1/2020 Begin Con: 12/1/2020
			Subtotal: $2,805	$3,755		
			Total Project Cost:	**$6,560**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 18 Collision(s) reduced			

2018 SHOPP Project List
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($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
01-Humboldt-36 0.1/1.6 2379 0113000090	Near Fortuna, from Route 101 to River Bar Road. Shoulder widening.	0E010 2019-20	R/W: Const:	$2,727 $7,187	PA&ED: PS&E: R/W Sup: Con Sup:	$910 $886 $592 $955	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/1/2018 2/1/2020 3/1/2020 9/15/2020
			Subtotal:	$9,914		$3,343			
			Total Project Cost:			**$13,257**			
Carryover			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		23 Collision(s) reduced				
01-Humboldt-101 80.8/87.8 2375 0113000094	Near Eureka, from PMs 80.0 to 87.8. Upgrade metal beam guardrail.	0C970 2018-19	R/W: Const:	$800 $6,307	PA&ED: PS&E: R/W Sup: Con Sup:	$510 $300 $48 $1,750	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	1/10/2017 10/1/2018 10/15/2018 6/20/2019
			Subtotal:	$7,107		$2,608			
			Total Project Cost:			**$9,715**			
Carryover			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		30 Collision(s) reduced				
01-Humboldt-101 87.5/89.5 2460 0117000023	In and near Arcata, from Saint Louis Road Overcrossing to 0.7 mile north of Giuntoli Lane Overcrossing. Install guardrail and upgrade end treatments, place longitudinal drainage system, pave the median, reconstruct thrie-beam barrier, and construct a Class I bike path.	0G580 2021-22	R/W: Const:	$346 $5,561	PA&ED: PS&E: R/W Sup: Con Sup:	$896 $1,066 $104 $1,649	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2020 7/15/2021 8/1/2021 3/13/2022
			Subtotal:	$5,907		$3,715			
			Total Project Cost:			**$9,622**			
New			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		48 Collision(s) reduced				
01-Humboldt-101 88.2/88.3 2397 0114000117	In Arcata, at Route 299. Realign ramp curve.	0E650 2019-20	R/W: Const:	$600 $3,220	PA&ED: PS&E: R/W Sup: Con Sup:	$901 $662 $164 $613	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/1/2018 12/1/2019 1/1/2020 5/1/2020
			Subtotal:	$3,820		$2,340			
			Total Project Cost:			**$6,160**			
Carryover			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		24 Collision(s) reduced				

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
01-Humboldt-101 57.1/67.8 2461 0117000027	In and near Fortuna, from 0.5 mile south of Route 36 to 0.4 mile south of Hookton Road. Remove vegetated strips in median area to improve highway worker safety.	0G610 2021-22	R/W: Const:	$912 $7,297	PA&ED: PS&E: R/W Sup: Con Sup:	$799 $879 $175 $1,256	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2020 1/15/2022 2/1/2022 8/22/2022
			Subtotal:	$8,209		$3,109			
			Total Project Cost:			**$11,318**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		172	Location(s)			

MANDATES

01-Humboldt-36 21.5 2366 0113000016	Near Bridgeville, at 0.2 mile east of Golden Gate Drive. Construct erosion control Best Management Practices (BMPs) measures to achieve Statewide National Pollutant Discharge Eliminating System (NPDES) permit compliance unit (CU) credits that will stabilize the adjacent roadway slope erosion and reduce storm water sediment discharge to the impaired Van Duzen River.	0C150 2021-22	R/W: Const:	$152 $2,174	PA&ED: PS&E: R/W Sup: Con Sup:	$726 $873 $334 $1,452	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	9/1/2020 9/1/2021 10/1/2021 4/1/2022
			Subtotal:	$2,326		$3,385			
			Total Project Cost:			**$5,711**			
New			**Program Code**		201.335	Storm Water Mitigation			
			Performance Measure		5.5	Acre(s) treated/pollutant			
01-Humboldt-254 4.2 2403 0115000021	Near Phillipsville, at 0.7 mile south of Maple Hills Road. Replace existing Fish Creek concrete box culvert with a bridge to eliminate fish passage barrier and decrease sediment loads to achieve compliance unit (CU) credits towards Statewide National Pollutant Discharge Eliminating System (NPDES) permit mandate goals. Five million in funds from AB 95 are designated for this project.	0E790 2021-22	R/W: Const:	$34 $10,578	PA&ED: PS&E: R/W Sup: Con Sup:	$1,742 $1,863 $173 $2,909	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2021 2/14/2022 3/14/2022 8/1/2022
			Subtotal:	$10,612		$6,687			
			Total Project Cost:			**$17,299**			
New			**Program Code**		201.335	Storm Water Mitigation			
			Performance Measure		79	Acre(s) treated/pollutant			
01-Humboldt-299 R16.1/R16.4 2378 0113000099	Near Blue Lake, from north of Simpson Road to north of Chezem Road at various locations. Install erosion control Storm Water Mitigation measures at three locations.	0E030 2019-20	R/W: Const:	$19 $3,008	PA&ED: PS&E: R/W Sup: Con Sup:	$425 $880 $89 $648	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	2/1/2018 7/1/2019 8/1/2019 1/1/2020
			Subtotal:	$3,027		$2,042			
			Total Project Cost:			**$5,069**			
Carryover			**Program Code**		201.335	Storm Water Mitigation			
			Performance Measure		14.3	Acre(s) treated/pollutant			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
01-Humboldt-101 77.3/78.1 2456 0116000186	In Eureka, from Wabash Avenue to Commercial Street. Upgrade curb ramps, driveways, and sidewalk, and add Accessible Pedestrian Signals (APS) upgrades to make compliant with Americans with Disabilities Act (ADA) Standards; also install fiber optic communications connection from traffic signals to the Caltrans district office.	0G420 2021-22	R/W: $180 Const: $4,505 Subtotal: $4,685	PA&ED: $1,089 PS&E: $965 R/W Sup: $979 Con Sup: $1,079 $4,112	18-19 19-20 19-20 21-22	PA&ED: 12/1/2019 R/W Cert: 8/15/2021 RTL: 9/1/2021 Begin Con: 4/26/2022
New			**Total Project Cost:**	**$8,797**		
			Program Code	201.361 Americans with Disabilities Act New Curb Ramps		
			Performance Measure	27 Curb ramp(s)		
01-Humboldt-101 75.3/77.6 2346 0112000156	In Eureka, from north of Herrick Avenue Overcrossing to south of the Eureka Slough Bridge. Upgrade curb ramps, sidewalks, and signal push-buttons to Americans with Disabilities Act (ADA) Standards.	0B620 2019-20	R/W: $695 Const: $5,589 Subtotal: $6,284	PA&ED: $462 PS&E: $921 R/W Sup: $644 Con Sup: $660 $2,687	Prior 18-19 18-19 19-20	PA&ED: 11/1/2018 R/W Cert: 2/15/2020 RTL: 3/1/2020 Begin Con: 6/20/2020
Carryover			**Total Project Cost:**	**$8,971**		
			Program Code	201.378 Americans with Disabilities Act Pedestrian Infrastructure		
			Performance Measure	50 Curb ramp(s)		
BRIDGE PRESERVATION						
01-Humboldt-101 124.5 2447 0116000109	Near Orick, at 0.2 mile south of Lost Man Creek Bridge. Remove fish passage barrier.	0F960 2018-19	R/W: $1,523 Const: $4,919 Subtotal: $6,442	PA&ED: $966 PS&E: $644 R/W Sup: $193 Con Sup: $1,933 $3,736	Prior Prior Prior 18-19	PA&ED: 3/1/2018 R/W Cert: 3/1/2019 RTL: 3/15/2019 Begin Con: 10/15/2019
Carryover			**Total Project Cost:**	**$10,178**		
			Program Code	201.110 Bridge Major Rehabilitation		
			Performance Measure	1 Bridge(s)		
01-Humboldt-36 11.3/34.6 2363 0112000292	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 at one bridge, and replace two bridges.	0C500 2019-20	R/W: $874 Const: $15,356 Subtotal: $16,230	PA&ED: $2,947 PS&E: $3,646 R/W Sup: $268 Con Sup: $4,325 $11,186	Prior 19-20 19-20 19-20	PA&ED: 3/1/2019 R/W Cert: 3/1/2020 RTL: 4/1/2020 Begin Con: 8/30/2020
Carryover			**Total Project Cost:**	**$27,416**		
			Program Code	201.112 Bridge Rail Replacement and Upgrade		
			Performance Measure	905.5 Linear feet		

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
01-Humboldt-96 2449 0116000129	Near Weitchpec and Orleans, at Aikens Creek Bridge No. 04-0059 (PM 28.07), Bluff Creek Bridge No. 04-0063 (PM 28.27), Bluff Creek Bridge No. 04-0225 (PM R28.91), and Slate Creek Bridge No. 04-0061 (PM 29.92); also on Route 169 at Rube Creek Bridge No. 04-0215 (PM 27.57). Upgrade bridge rails at five locations and also strengthen for truck permit load capacity at two locations.	0G140 2021-22	R/W: $278 Const: $10,486	PA&ED: $1,050 PS&E: $2,127 R/W Sup: $110 Con Sup: $2,242	18-19 19-20 19-20 21-22	PA&ED: 4/1/2020 R/W Cert: 10/5/2021 RTL: 12/15/2021 Begin Con: 12/1/2022
			Subtotal: $10,764	$5,529		
			Total Project Cost:	**$16,293**		
New			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 2508.0 Linear feet			
01-Humboldt-101 79.8/84.7 2376 0113000091	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 2018-19	R/W: $287 Const: $8,311	PA&ED: $1,480 PS&E: $1,514 R/W Sup: $63 Con Sup: $2,000	Prior Prior Prior 18-19	PA&ED: 1/10/2017 R/W Cert: 3/15/2019 RTL: 4/1/2019 Begin Con: 11/21/2019
			Subtotal: $8,598	$5,057		
			Total Project Cost:	**$13,655**		
Carryover			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 582.0 Linear feet			
01-Humboldt-96 2302 0113000109	In Humboldt County, on Routes 96 and 101 at various locations. Seismic retrofit three bridges.	0A120 2019-20	R/W: $1,089 Const: $6,171	PA&ED: $1,419 PS&E: $1,856 R/W Sup: $171 Con Sup: $1,948	Prior Prior 18-19 19-20	PA&ED: 2/1/2019 R/W Cert: 2/1/2020 RTL: 2/15/2020 Begin Con: 9/1/2020
			Subtotal: $7,260	$5,394		
			Total Project Cost:	**$12,654**		
Carryover			**Program Code** 201.113 Bridge Seismic Restoration **Performance Measure** 3 Bridge(s)			
01-Humboldt-101 27.7 2301 0112000211	Near Myers Flat, at South Fork Eel River Bridge No. 04-0123. Seismic retrofit.	0A110 2020-21	R/W: $80 Const: $9,723	PA&ED: $4,641 PS&E: $2,072 R/W Sup: $218 Con Sup: $2,267	Prior 18-19 18-19 20-21	PA&ED: 9/1/2018 R/W Cert: 1/1/2020 RTL: 1/1/2020 Begin Con: 7/1/2020
			Subtotal: $9,803	$9,198		
			Total Project Cost:	**$19,001**		
Carryover			**Program Code** 201.113 Bridge Seismic Restoration **Performance Measure** 1 Bridge(s)			

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($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
01-Humboldt-101 79.5/80.2 2417 0115000088	In Eureka, at the Eureka Slough Bridge No. 04 -0022L. Seismic retrofit.	0F200 2019-20	R/W: $3,837 Const: $3,695	PA&ED: $709 PS&E: $1,574 R/W Sup: $75 Con Sup: $1,206	Prior 18-19 18-19 19-20	PA&ED: 2/1/2019 R/W Cert: 2/1/2020 RTL: 3/1/2020 Begin Con: 10/3/2020
			Subtotal: $7,532	$3,564		
			Total Project Cost:	**$11,096**		
Carryover			**Program Code** 201.113 Bridge Seismic Restoration **Performance Measure** 1 Bridge(s)			
01-Humboldt-36 17.9/R23.9 2429 0116000014	Near Bridgeville, at Van Duzen River Bridge No. 04-0284 (PM 17.94) and Van Duzen River Bridge No. 04-0293 (PM R23.91); also on Route 211 near Ferndale at Salt River Bridge No. 04-131 (PM R75.15), in Lake County on Route 29 near Lakeport at Hill Road East Overcrossing No. 14-0039 (PM R43.75), and in Mendocino County on Route 101 near Longvale at Long Valley Creek Rest Area Bridge No. 10 -0240Y (PM 61.82). Apply polyester concrete overlay or methacrylate treatment to bridge decks.	0F500 2021-22	R/W: $3 Const: $1,480	PA&ED: $268 PS&E: $757 R/W Sup: $42 Con Sup: $772	18-19 19-20 19-20 21-22	PA&ED: 5/15/2020 R/W Cert: 7/20/2021 RTL: 9/8/2021 Begin Con: 4/11/2022
			Subtotal: $1,483	$1,839		
			Total Project Cost:	**$3,322**		
New			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 5 Bridge(s)			
01-Humboldt-101 R17.9/87.8 2400 0115000009	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 2018-19	R/W: $1,359 Const: $10,109	PA&ED: $1,010 PS&E: $1,355 R/W Sup: $65 Con Sup: $2,102	Prior 18-19 18-19 18-19	PA&ED: 9/1/2018 R/W Cert: 6/1/2019 RTL: 6/1/2019 Begin Con: 11/14/2019
			Subtotal: $11,468	$4,532		
			Total Project Cost:	**$16,000**		
Carryover			**Program Code** 201.322 Trans Permit Requirements for Bridges **Performance Measure** 3 Bridge(s)			
01-Humboldt-299 R1.5/R2.0 2430 0116000018	Near Arcata, from 1.5 miles east to 2.0 miles east of Route 101 at the Route 200/299 Separation No. 04-0184. Establish standard vertical clearance.	0F530 2019-20	R/W: $31 Const: $4,028	PA&ED: $564 PS&E: $857 R/W Sup: $26 Con Sup: $1,124	18-19 19-20 19-20 19-20	PA&ED: 8/1/2019 R/W Cert: 2/4/2020 RTL: 3/3/2020 Begin Con: 8/4/2020
			Subtotal: $4,059	$2,571		
			Total Project Cost:	**$6,630**		
New			**Program Code** 201.322 Trans Permit Requirements for Bridges **Performance Measure** 1 Bridge(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
01-Humboldt-101 R39.2/R48.3 2422 0115000115	Near Redcrest, from Englewood Park Undercrossing to Eel River Bridge and Overhead. Pavement rehabilitation.	0F360 2018-19	R/W: $6 Const: $14,515	PA&ED: $579 PS&E: $680 R/W Sup: $85 Con Sup: $1,518	Prior Prior Prior 18-19	PA&ED: 4/1/2018 R/W Cert: 2/1/2019 RTL: 2/1/2019 Begin Con: 8/1/2019
			Subtotal: $14,521	$2,862		
			Total Project Cost:	**$17,383**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 36.8 Lane mile(s)			
01-Humboldt-101 78.0/79.8 2380 0113000100	In Eureka, on 4th Street from Broadway to Eureka Slough Bridge; also on 5th street from O Street to Eureka Slough Bridge. Pavement rehabilitation.	0E040 2018-19	R/W: $21 Const: $3,135	PA&ED: $107 PS&E: $167 R/W Sup: $104 Con Sup: $725	Prior 18-19 18-19 18-19	PA&ED: 5/1/2018 R/W Cert: 3/1/2019 RTL: 3/15/2019 Begin Con: 10/3/2019
			Subtotal: $3,156	$1,103		
			Total Project Cost:	**$4,259**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 7.0 Lane mile(s)			
01-Humboldt-101 R90.1/109.6 2439 0116000067	Near Trinidad, from 1.3 miles south of School Road to 0.4 mile north of Big Lagoon Bridge. Pavement rehabilitation.	0F820 2020-21	R/W: $12 Const: $45,355	PA&ED: $332 PS&E: $561 R/W Sup: $84 Con Sup: $4,287	Prior 19-20 19-20 20-21	PA&ED: 8/1/2019 R/W Cert: 11/1/2020 RTL: 11/15/2020 Begin Con: 6/1/2021
			Subtotal: $45,367	$5,264		
			Total Project Cost:	**$50,631**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 77.7 Lane mile(s)			
01-Humboldt-101 69.9/75.2 2382 0113000009	In and near Eureka, from south of Fields Landing Overhead to north of Herrick Avenue Overcrossing. Roadway rehabilitation. (G13 Contingency)	0C570 2019-20	R/W: $366 * Const: $31,243	PA&ED: $646 PS&E: $1,258 R/W Sup: $52 * Con Sup: $6,696	Prior 18-19 18-19 19-20	PA&ED: 10/15/2018 R/W Cert: 1/15/2020 RTL: 2/1/2020 Begin Con: 7/6/2020
			Subtotal: $31,609	$8,652		
			Total Project Cost:	**$40,261**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 21.1 Lane mile(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
01-Humboldt-101 R11.8/26.7 7002 0114000071	Near Garberville, from north of Redwood Drive to 1.3 miles south of Myers Flat; also in Mendocino County, on Route 271 near Piercy, from 0.5 mile north of Confusion Hill to 0.5 mile north of Route 101 Separation (PM 16.1 to 20.0). Rehabilitate or replace drainage culverts.	48770 2020-21	R/W: Const:	$403 $2,806	PA&ED: PS&E: R/W Sup: Con Sup:	$878 $866 $309 $909	Prior 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2020 3/1/2021 3/1/2021 8/1/2021
			Subtotal:	$3,209		$2,962			
			Total Project Cost:			**$6,171**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	38 Culvert(s) (ea)					
01-Humboldt-254 6.8/42.1 2270 0100000158	Near Miranda, from 2.3 miles south of Miranda Post Office to 0.9 mile south of Bear Creek Bridge. Upgrade drainage systems.	40950 2018-19	R/W: Const:	$305 $1,453	PA&ED: PS&E: R/W Sup: Con Sup:	$513 $838 $151 $403	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	9/29/2017 12/1/2018 12/1/2018 7/1/2019
			Subtotal:	$1,758		$1,905			
			Total Project Cost:			**$3,663**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	7 Culvert(s) (ea)					
01-Humboldt-299 R1.9/37.8 2433 0116000035	Near Blue Lake and Willow Creek, from 0.1 mile east of Route 200 to 0.5 mile east of Boise Creek Campground. Rehabilitate drainage culverts.	0F620 2021-22	R/W: Const:	$920 $4,268	PA&ED: PS&E: R/W Sup: Con Sup:	$904 $958 $77 $1,615	Prior 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	5/1/2020 8/1/2021 8/1/2021 2/1/2022
			Subtotal:	$5,188		$3,554			
			Total Project Cost:			**$8,742**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	24 Culvert(s) (ea)					
MOBILITY									
01-Humboldt-101 79.9/86.1 2418 0115000092	In and near Eureka and Arcata, from south of Cole Avenue to north of Route 255. Operational improvements.	0F220 2018-19	R/W: Const:	$665 $8,517	PA&ED: PS&E: R/W Sup: Con Sup:	$414 $667 $114 $1,650	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	1/10/2017 2/1/2019 2/15/2019 10/3/2019
			Subtotal:	$9,182		$2,845			
			Total Project Cost:			**$12,027**			
Carryover			**Program Code**	201.310 Operational Improvements					
			Performance Measure	98.2 Daily vehicle hour(s) of delay (DVHD)					

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01-Humboldt-101 88.3/88.6 2424 0115000043	In Arcata, from north of Route 299/Route 101 Connector to 0.2 mile south of Guintoli Lane Overcrossing. Construct auxiliary lane to improve merging movements.	0E890 2021-22	R/W: $15 Const: $4,098	PA&ED: $1,008 PS&E: $1,329 R/W Sup: $90 Con Sup: $1,546	18-19 18-19 20-21 21-22	PA&ED: 10/1/2020 R/W Cert: 11/1/2021 RTL: 11/1/2021 Begin Con: 5/1/2022
			Subtotal: $4,113	$3,973		
			Total Project Cost:	**$8,086**		
New			**Program Code**	201.310 Operational Improvements		
			Performance Measure	36 Daily vehicle hour(s) of delay (DVHD)		

FACILITIES

01-Humboldt-101 2355 0112000229	In Eureka, at the District 1 Materials Laboratory located at the District Office complex (1726 Albee Street). Replace District 1 Materials Laboratory (L5731) at alternative site to address health, safety, accessibility, and operational deficiencies.	0C110 2020-21	R/W: $1,388 Const: $4,284	PA&ED: $1,134 PS&E: $1,380 R/W Sup: $567 Con Sup: $1,702	18-19 18-19 18-19 20-21	PA&ED: 4/1/2019 R/W Cert: 7/1/2020 RTL: 9/4/2020 Begin Con: 2/1/2021
			Subtotal: $5,672	$4,783		
			Total Project Cost:	**$10,455**		
New			**Program Code**	201.354 Materials Labs		
			Performance Measure	1 Location(s)		

Humboldt County

R/W:	$21,446	PA&ED:	$37,944
Const:	$286,990	PS&E:	$42,192
		R/W Sup:	$7,822
		Con Sup:	$62,935
Subtotal:	$308,436		$150,893
Total (Capital + Support):			**$459,329**

2018 SHOPP Project List
Imperial
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
11-Imperial-Var 1201 1116000095	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 2021-22	R/W: $0 Const: $1,712	PA&ED: $317 PS&E: $493 R/W Sup: $0 Con Sup: $462	18-19 20-21 21-22	PA&ED: 11/16/2020 R/W Cert: 12/6/2021 RTL: 1/13/2022 Begin Con: 10/14/2022
			Subtotal: $1,712	$1,272		
			Total Project Cost:	**$2,984**		
New			**Program Code**	201.015 Collision Severity Reduction		
			Performance Measure	35 Collision(s) reduced		
11-Imperial-8 R32.4/R46.1 1252 1112000158	In and near El Centro, at various locations on Routes 8 and 111. Pave slopes under structures.	41200 2021-22	R/W: $0 Const: $2,070	PA&ED: $385 PS&E: $585 R/W Sup: $0 Con Sup: $571	19-20 20-21 21-22	PA&ED: 8/7/2020 R/W Cert: 6/11/2021 RTL: 7/30/2021 Begin Con: 12/30/2021
			Subtotal: $2,070	$1,541		
			Total Project Cost:	**$3,611**		
New			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	18 Location(s)		
MANDATES						
11-Imperial-98 32.1/32.5 1240 1117000021	In Calexico, from Ollie Avenue to Rockwood Avenue. Construct and upgrade pedestrian curb ramps.	42780 2021-22	R/W: $0 Const: $2,141	PA&ED: $169 PS&E: $650 R/W Sup: $0 Con Sup: $661	18-19 19-20 21-22	PA&ED: 9/23/2019 R/W Cert: 8/13/2021 RTL: 9/3/2021 Begin Con: 1/10/2022
			Subtotal: $2,141	$1,480		
			Total Project Cost:	**$3,621**		
New			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps		
			Performance Measure	22 Curb ramp(s)		
ROADWAY PRESERVATION						
11-Imperial-78 62.3/73.8 1283 1115000052	In Imperial County, from west of Midway Well Road to east of Mitchell Camp Road at various locations. Culvert replacement.	42050 2019-20	R/W: Const: $687	PA&ED: $177 PS&E: $409 R/W Sup: Con Sup: $201	Prior 18-19 19-20	PA&ED: 8/23/2018 R/W Cert: 7/18/2019 RTL: 8/26/2019 Begin Con: 4/27/2020
			Subtotal: $687	$787		
			Total Project Cost:	**$1,474**		
Carryover			**Program Code**	201.151 Drainage System Restoration		
			Performance Measure	6 Culvert(s) (ea)		

2018 SHOPP Project List
Imperial
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
11-Imperial-115 L10.4/19.8 0602 1115000053	In Imperial County, from north of Alamo River Bridge to north of Gonder Road. Culvert replacement.	42060 2019-20	R/W: Const:	 $417	PA&ED: PS&E: R/W Sup: Con Sup:	$165 $371 $190	Prior 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/5/2018 6/4/2019 7/8/2019 3/6/2020
			Subtotal:	$417		$726			
			Total Project Cost:			**$1,143**			

Program Code 201.151 Drainage System Restoration

Carryover

Performance Measure 4 Culvert(s) (ea)

Imperial County

R/W:	$0	PA&ED:	$1,213
Const:	$7,027	PS&E:	$2,508
		R/W Sup:	$0
		Con Sup:	$2,085
Subtotal:	$7,027		$5,806
Total (Capital + Support):			**$12,833**

2018 SHOPP Project List
Inyo
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
09-Inyo-168 16.0/17.7 2617 0914000030	In and near Bishop, from west of Meadow Lane to east of Pioneer Lane. Construct a two-way left turn lane.	36370 2019-20	R/W: Const:	$0 $1,238	PA&ED: PS&E: R/W Sup: Con Sup:	$236 $545 $8 $677	18-19 19-20 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	10/31/2018 8/19/2019 11/14/2019 5/20/2020
			Subtotal:	$1,238		$1,466			
			Total Project Cost:			**$2,704**			
New			**Program Code**	201.015 Collision Severity Reduction					
			Performance Measure	10 Collision(s) reduced					
ROADWAY PRESERVATION									
09-Inyo-178 43.4/44.2 0653 0915000002	Near Shoshone, from east of Route 127 to Chicago Valley Road. Replace and install culverts.	36340 2019-20	R/W: Const:	$800 $2,210	PA&ED: PS&E: R/W Sup: Con Sup:	$405 $620 $150 $405	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/1/2018 3/1/2020 3/20/2020 11/1/2020
			Subtotal:	$3,010		$1,580			
			Total Project Cost:			**$4,590**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	3 Culvert(s) (ea)					
ROADSIDE PRESERVATION									
09-Inyo-395 37.6 0661 0915000018	Near Cartago, 3.0 miles north of Route 190 Junction. Protect, enhance, preserve, and restore wetland and riparian habitat at Cartago Wildlife Area. This work will also serve as advance mitigation credit purchases for future SHOPP construction projects.	36490 2021-22	R/W: Const:	$31 $1,840	PA&ED: PS&E: R/W Sup: Con Sup:	$890 $380 $100 $460	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	5/1/2020 11/1/2021 11/1/2021 7/1/2022
			Subtotal:	$1,871		$1,830			
			Total Project Cost:			**$3,701**			
New			**Program Code**	201.240 Roadside Enhancement					
			Performance Measure	16 Location(s)					

Inyo County

R/W:	$831	PA&ED:	$1,531
Const:	$5,288	PS&E:	$1,545
		R/W Sup:	$258
		Con Sup:	$1,542
Subtotal:	$6,119		$4,876
Total (Capital + Support):			**$10,995**

2018 SHOPP Project List
Kern
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
06-Kern-46 26.8/47.0 6865 0617000214	In and near Wasco, from 0.7 mile west of Brown Material Road to Scofield Avenue. Install centerline and shoulder rumble strips.	0W410 2018-19	R/W: Const:	$5 $1,309	PA&ED: PS&E: R/W Sup: Con Sup:	$375 $525 $5 $390	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2018 2/2/2019 3/22/2019 9/26/2019
			Subtotal:	$1,314		$1,295			
			Total Project Cost:			**$2,609**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		17 Collision(s) reduced				
06-Kern-184 L0.9/L1.1 6791 0616000124	Near Lamont, from 0.1 mile south to 0.1 mile north of Sunset Boulevard. Construct roundabout at intersection of Route 184/Sunset Boulevard.	0V280 2019-20	R/W: Const:	$950 $3,600	PA&ED: PS&E: R/W Sup: Con Sup:	$1,100 $1,300 $530 $970	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2018 3/2/2020 3/16/2020 8/1/2020
			Subtotal:	$4,550		$3,900			
			Total Project Cost:			**$8,450**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		16 Collision(s) reduced				
06-Kern-223 21.0/21.3 6709 0614000162	In and Near Arvin, at Derby Street. Install traffic signals.	0S510 2018-19	R/W: Const:	$74 $1,396	PA&ED: PS&E: R/W Sup: Con Sup:	$348 $775 $345 $530	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	8/10/2015 8/15/2018 9/1/2018 3/1/2019
			Subtotal:	$1,470		$1,998			
			Total Project Cost:			**$3,468**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		6 Collision(s) reduced				
09-Kern-178 2631 0917000001	In Kern, Mono, Inyo, and San Bernardino Counties, on Routes 14, 89, 108, 120, 127, 168, 178, 182, 190, 202, and 395 at various locations. Upgrade guardrails, end treatments, and bridge transition railings to current standards.	36770 2020-21	R/W: Const:	$1 $2,831	PA&ED: PS&E: R/W Sup: Con Sup:	$240 $570 $10 $910	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	11/1/2019 5/1/2020 10/16/2020 5/15/2021
			Subtotal:	$2,832		$1,730			
			Total Project Cost:			**$4,562**			
New			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		27 Collision(s) reduced				

2018 SHOPP Project List
Kern
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
09-Kern-202 R4.7/R5.1 2620 0916000016	Near Tehachapi, from 0.2 mile west to 0.2 mile east of Cummings Valley Road East. Construct a left turn lane from southbound Route 202 to Cummings Valley Road East.	36720 2021-22	R/W: Const:	$933 $1,260	PA&ED: PS&E: R/W Sup: Con Sup:	$311 $970 $620 $950	18-19 18-19 18-19 21-22	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2019 7/15/2021 8/15/2021 2/23/2022
			Subtotal:	$2,193		$2,851			
			Total Project Cost:			**$5,044**			
New			**Program Code**		201.015	Collision Severity Reduction			
			Performance Measure		39	Collision(s) reduced			
06-Kern-178 1.7/6.9 3729 0613000037	In Bakersfield, from M Street to east of Fairfax Road at various locations. Roadside safety improvements.	0E320 2018-19	R/W: Const:	 $2,644	PA&ED: PS&E: R/W Sup: Con Sup:	$220 $587 $10 $808	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	2/7/2017 8/1/2018 9/3/2018 2/4/2019
			Subtotal:	$2,644		$1,625			
			Total Project Cost:			**$4,269**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		61	Location(s)			
MANDATES									
06-Kern-58 R53.2/R55.6 6757 0615000003	In Bakersfield, from 0.2 mile west of H Street Overcrossing to 0.2 mile east of Cottonwood Road Undercrossing. Upgrade curb ramps to meet current Americans with Disabilities Act (ADA) Standards.	0T000 2020-21	R/W: Const:	$100 $3,226	PA&ED: PS&E: R/W Sup: Con Sup:	$407 $1,064 $865 $775	18-19 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	1/2/2019 12/2/2020 1/4/2021 7/1/2021
			Subtotal:	$3,326		$3,111			
			Total Project Cost:			**$6,437**			
New			**Program Code**		201.361	Americans with Disabilities Act New Curb Ramps			
			Performance Measure		25	Curb ramp(s)			
06-Kern-204 R0.0/4.6 6871 0617000096	In Bakersfield, from Route 204/58 Separation to L street; also on Route 58 (PM R54.2/R54.6). Upgrade curb ramps and Accessible Pedestrian Signals (APS) to meet current Americans with Disabilities Act (ADA) Standards.	0W150 2021-22	R/W: Const:	$337 $2,845	PA&ED: PS&E: R/W Sup: Con Sup:	$1,105 $1,600 $1,486 $1,292	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2019 7/15/2021 8/2/2021 1/20/2022
			Subtotal:	$3,182		$5,483			
			Total Project Cost:			**$8,665**			
New			**Program Code**		201.361	Americans with Disabilities Act New Curb Ramps			
			Performance Measure		91	Curb ramp(s)			

2018 SHOPP Project List
Kern
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
BRIDGE PRESERVATION						
06-Kern-166 17.3/17.7 6726 0615000047	Near Mettler, at California Aqueduct Bridge No. 50-0323. Bridge rehabilitation.	0S050 2020-21	R/W: $1,100 Const: $30,000	PA&ED: $1,045 PS&E: $5,100 R/W Sup: $600 Con Sup: $6,200	Prior 20-21 20-21 20-21	PA&ED: 12/1/2018 R/W Cert: 11/15/2020 RTL: 3/1/2021 Begin Con: 11/15/2021
			Subtotal: $31,100	$12,945		
			Total Project Cost:	**$44,045**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
06-Kern-5 12.5 6877 0617000225	Near the Grapevine, at the California Aqueduct No. 50-0321L/R. Improve to standard load capacity.	0W460 2018-19	R/W: $10 Const: $1,876	PA&ED: $1,910 PS&E: $430 R/W Sup: $10 Con Sup: $725	Prior 18-19 18-19 18-19	PA&ED: 4/2/2018 R/W Cert: 7/2/2018 RTL: 8/1/2018 Begin Con: 12/14/2018
			Subtotal: $1,886	$3,075		
			Total Project Cost:	**$4,961**		
Carryover			**Program Code** 201.322 Trans Permit Requirements for Bridges **Performance Measure** 2 Bridge(s)			
06-Kern-99 L0.0/0.6 6876 0617000222	Near the Grapevine, from the Route 5/99 Separation to 2.1 miles south of Route 166 Overcrossing; also on Route 5, at the Route 5/99 Separation Bridge No. 50-0240R. Lower roadway profile to obtain standard vertical clearance.	0W430 2018-19	R/W: $10 Const: $7,795	PA&ED: $1,600 PS&E: $470 R/W Sup: $10 Con Sup: $1,500	Prior 18-19 18-19 18-19	PA&ED: 4/2/2018 R/W Cert: 7/2/2018 RTL: 8/1/2018 Begin Con: 12/14/2018
			Subtotal: $7,805	$3,580		
			Total Project Cost:	**$11,385**		
Carryover			**Program Code** 201.322 Trans Permit Requirements for Bridges **Performance Measure** 1 Bridge(s)			
ROADWAY PRESERVATION						
06-Kern-184 0.8/8.2 6803 0616000001	Near Bakersfield, from south of Hickory Lane to north of Brundage Lane. Upgrade Americans with Disabilities Act (ADA) curb ramps, install bike lanes, cold plane pavement, place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt (RHMA) pavement.	0U290 2021-22	R/W: $2,230 Const: $17,700	PA&ED: $2,425 PS&E: $3,175 R/W Sup: $2,630 Con Sup: $3,750	Prior 19-20 19-20 21-22	PA&ED: 10/1/2019 R/W Cert: 8/1/2021 RTL: 8/16/2021 Begin Con: 2/1/2022
			Subtotal: $19,930	$11,980		
			Total Project Cost:	**$31,910**		
Carryover			**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 18.5 Lane mile(s)			

2018 SHOPP Project List
Kern
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
06-Kern-184 8.1/12.1 6798 0616000033	In and near Bakersfield, from 0.2 mile south of Edison Highway to Route 178. Upgrade Americans with Disabilities Act (ADA) curbs and barrier railing, widen shoulders, cold plane pavement, place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt (RHMA) pavement to rehabilitate roadway.	0U430 2020-21	R/W: Const:	$350 $7,600	PA&ED: PS&E: R/W Sup: Con Sup:	$1,020 $1,520 $50 $1,600	Prior 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	1/2/2019 9/9/2020 10/2/2020 4/11/2021
			Subtotal:	$7,950		$4,190			
			Total Project Cost:			**$12,140**			
Carryover			**Program Code**	201.120 Roadway Rehabilitation (3R)					
			Performance Measure	11.0 Lane mile(s)					
06-Kern-43 0.1/9.3 6755 0615000211	Near Bakersfield, from Route 119 to south of Noriega Road; also on Route 119, from Enos Lane to Route 5 (PM 18.1/19.8). Pavement rehabilitation.	0U100 2019-20	R/W: Const:	$23 $12,700	PA&ED: PS&E: R/W Sup: Con Sup:	$450 $435 $81 $650	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2018 3/2/2020 4/1/2020 11/1/2020
			Subtotal:	$12,723		$1,616			
			Total Project Cost:			**$14,339**			
Carryover			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	22.2 Lane mile(s)					
06-Kern-46 49.0/50.9 6810 0615000299	In and near Wasco, from Magnolia Avenue to Route 43 South. Upgrade Americans with Disabilities Act (ADA) curb ramps, cold plane pavement, place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt (RHMA) pavement.	0U480 2019-20	R/W: Const:	$90 $4,600	PA&ED: PS&E: R/W Sup: Con Sup:	$710 $950 $360 $900	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/19/2018 4/3/2020 5/1/2020 10/29/2020
			Subtotal:	$4,690		$2,920			
			Total Project Cost:			**$7,610**			
Carryover			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	6.3 Lane mile(s)					
06-Kern-58 39.9/46.0 6756 0615000212	In and near Bakersfield, from Route 43 to 0.1 mile west of Allen Road. Pavement rehabilitation.	0U110 2021-22	R/W: Const:	$350 $8,500	PA&ED: PS&E: R/W Sup: Con Sup:	$1,400 $1,200 $250 $1,900	18-19 20-21 21-22 21-22	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2020 1/1/2022 3/1/2022 9/1/2022
			Subtotal:	$8,850		$4,750			
			Total Project Cost:			**$13,600**			
New			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	12.2 Lane mile(s)					

2018 SHOPP Project List
Kern
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
06-Kern-204 5.1/6.7 6889 0616000002	In Bakersfield, from F Street to Route 99. Cold plane pavement, place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt (RHMA) pavement.	0U490 2019-20	R/W: $10 Const: $3,290	PA&ED: $450 PS&E: $740 R/W Sup: $65 Con Sup: $550	Prior 18-19 18-19 19-20	PA&ED: 8/13/2018 R/W Cert: 11/15/2019 RTL: 12/10/2019 Begin Con: 6/15/2020
			Subtotal: $3,300	$1,805		
			Total Project Cost:	**$5,105**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 4.7 Lane mile(s)			
06-Kern-5 82.0/87.0 6820 0615000301	Near Kettleman City, from 0.34 mile south of Twisselman Road Overcrossing to Kings County line. Cold plane pavement, repair concrete pavement panels, place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt (RHMA) pavement to rehabilitate roadway.	0U470 2019-20	R/W: $65 Const: $21,500	PA&ED: $440 PS&E: $1,200 R/W Sup: $25 Con Sup: $1,900	Prior 18-19 18-19 19-20	PA&ED: 8/3/2018 R/W Cert: 9/6/2019 RTL: 10/4/2019 Begin Con: 4/12/2020
			Subtotal: $21,565	$3,565		
			Total Project Cost:	**$25,130**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 21.0 Lane mile(s)			
09-Kern-14 R5.7/R12.6 2633 0916000025	In Rosamond and Mojave, from 0.5 mile south of Dawn Road Overcrossing (OC) to 0.5 mile north of Silver Queen Road OC. Rehabilitate lanes and ramps by replacing slabs and grinding lane 1, construct Continuous Reinforced Concrete Pavement (CRCP) lane 2, cold plane and overlay ramps with Rubberized Hot Mix Asphalt (RHMA-G). Replace guardrail, construct rumble strip, replace signs using retroreflective sheeting, and refresh pavement delineation.	36740 2019-20	R/W: $22 * Const: $40,515	PA&ED: $370 PS&E: $1,460 R/W Sup: $190 * Con Sup: $3,010	Prior 18-19 18-19 19-20	PA&ED: 7/2/2018 R/W Cert: 1/3/2020 RTL: 1/23/2020 Begin Con: 10/15/2020
			Subtotal: $40,537	$5,030		
			Total Project Cost:	**$45,567**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover	(G13 Contingency)		**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 27.6 Lane mile(s)			
06-Kern-99 0.0/11.2 6731 0615000035	In and near Bakersfield, from Route 5 to 0.3 mile north of Old US 99 Overcrossing. Roadway rehabilitation.	0T200 2018-19	R/W: $120 Const: $48,000	PA&ED: $1,160 PS&E: $1,600 R/W Sup: $100 Con Sup: $5,200	Prior Prior Prior 18-19	PA&ED: 9/22/2017 R/W Cert: 1/15/2018 RTL: 5/1/2018 Begin Con: 1/15/2019
			Subtotal: $48,120	$8,060		
			Total Project Cost:	**$56,180**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 33.0 Lane mile(s)			

2018 SHOPP Project List
Kern
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
06-Kern-99 10.4/21.2 6681 0614000010	In and near Bakersfield, from 0.5 mile south of Old US 99 Overcrossing to 0.1 mile north of White Lane. Rehabilitate pavement. (G13 Contingency)	0Q920 2019-20	R/W: * Const:	$30 $45,440	PA&ED: PS&E: R/W Sup: * Con Sup:	$700 $2,300 $20 $4,800	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2018 1/1/2020 3/2/2020 8/1/2020
			Subtotal:	$45,470		$7,820			
			Total Project Cost:			**$53,290**			
			** Construction Capital and * Construction Support phase are NOT authorized*						
Carryover			**Program Code**	201.122	Roadway Rehabilitation (2R)				
			Performance Measure	41.4	Lane mile(s)				
06-Kern-Var 6796 0615000294	In Kern and Kings Counties, on Route 99, 198 and 204 at various locations. Upgrade existing pumps and control systems at eleven pumping plants.	0U240 2019-20	R/W: Const:	$122 $5,080	PA&ED: PS&E: R/W Sup: Con Sup:	$650 $2,190 $610 $2,150	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/13/2018 11/8/2019 11/20/2019 5/11/2020
			Subtotal:	$5,202		$5,600			
			Total Project Cost:			**$10,802**			
Carryover			**Program Code**	201.151	Drainage System Restoration				
			Performance Measure	11	Culvert(s) (ea)				
06-Kern-5 5.6/8.8 6749 0613000243	Near Lebec, from north Lebec Road to south of Grapevine Road. Rehabilitate drainage systems.	0Q820 2018-19	R/W: Const:	$150 $5,100	PA&ED: PS&E: R/W Sup: Con Sup:	$375 $670 $100 $690	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2018 2/1/2019 3/30/2019 11/1/2019
			Subtotal:	$5,250		$1,835			
			Total Project Cost:			**$7,085**			
Carryover			**Program Code**	201.151	Drainage System Restoration				
			Performance Measure	5	Culvert(s) (ea)				
06-Kern-5 R7.5/R9.0 6884 0617000097	In Kern County, from 2.4 miles north of Fort Tejon Overcrossing to 1.2 miles south of Grapevine Undercrossing at four locations. Repair reinforced concrete box culverts.	0W160 2019-20	R/W: Const:	$132 $8,162	PA&ED: PS&E: R/W Sup: Con Sup:	$955 $2,173 $29 $2,763	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2019 2/1/2020 3/1/2020 9/16/2020
			Subtotal:	$8,294		$5,920			
			Total Project Cost:			**$14,214**			
Carryover			**Program Code**	201.151	Drainage System Restoration				
			Performance Measure	4	Culvert(s) (ea)				

2018 SHOPP Project List
Kern
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
ROADSIDE PRESERVATION									
06-Kern-99 21.6/24.7 6735 0615000052	In Bakersfield, from Planz Road to north of California Avenue. Upgrade irrigation system to improve water efficiency.	0T280 2018-19	R/W: Const:	$1 $1,156	PA&ED: PS&E: R/W Sup: Con Sup:	$41 $200 $3 $180	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/22/2017 12/1/2018 2/7/2019 7/1/2019
			Subtotal:	$1,157		$424			
			Total Project Cost:			**$1,581**			
			Program Code	201.210 Highway Planting Restoration					
Carryover			**Performance Measure**	12.4 Acre(s)					
FACILITIES									
09-Kern- 2634 0916000032	In Tehachapi, at the Tehachapi Maintenance Station near Routes 58 and 202 at 320 West Tehachapi Boulevard. Construct a new Tehachapi Maintenance Station at existing or alternative site to replace the old, undersized facility that is in constant need of repairs.	36750 2021-22	R/W: Const:	$1,001 $8,867	PA&ED: PS&E: R/W Sup: Con Sup:	$930 $2,630 $432 $2,778	18-19 21-22 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	6/4/2020 6/23/2022 6/24/2022 1/4/2023
			Subtotal:	$9,868		$6,770			
			Total Project Cost:			**$16,638**			
			Program Code	201.352 Maintenance Facilities					
New			**Performance Measure**	1 Location(s)					

Kern County

R/W:	$8,216	PA&ED:	$20,737
Const:	$296,992	PS&E:	$35,834
		R/W Sup:	$9,436
		Con Sup:	$47,871
Subtotal:	$305,208		$113,878
Total (Capital + Support):			**$419,086**

2018 SHOPP Project List
Kings
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
06-Kings-VAR 6797 0616000027	In Kings and Tulare Counties, on Routes 63, 99,137, 198 and 216. Repair and replace stolen and damaged electrical systems and protect electrical and irrigation facilities. The work is required to restore incident management, emergency readiness, mobility, functionality, and operation efficiency.	0U300 2019-20	R/W: $130 Const: $15,000 Subtotal: $15,130	PA&ED: $640 PS&E: $1,880 R/W Sup: $1,000 Con Sup: $1,850 $5,370	Prior Prior Prior 19-20	PA&ED: 11/1/2017 R/W Cert: 9/5/2019 RTL: 10/1/2019 Begin Con: 4/8/2020
			Total Project Cost:	**$20,500**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 296 Location(s)			
COLLISION REDUCTION						
06-Kings-198 8.3/R19.4 6737 0615000053	In and near Lemoore and Hanford, from Route 41 to 10th Avenue Undercrossing. Pave areas beyond gore and bridge slopes.	0T290 2018-19	R/W: $13 Const: $4,700 Subtotal: $4,713	PA&ED: $350 PS&E: $950 R/W Sup: $40 Con Sup: $600 $1,940	Prior Prior Prior 18-19	PA&ED: 1/24/2017 R/W Cert: 7/2/2018 RTL: 7/3/2018 Begin Con: 2/4/2019
			Total Project Cost:	**$6,653**		
Carryover			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 47 Location(s)			
06-Kings-198 R19.4/22.5 6799 0616000037	Near Hanford, from 0.4 mile east of 10th Avenue Overcrossing to 1.5 miles east of Route 43/198 Separation. Upgrade gore areas, construct Maintenance Vehicle Pullouts (MVPs) and slope paving at bridges.	0U790 2020-21	R/W: $3 Const: $3,790 Subtotal: $3,793	PA&ED: $510 PS&E: $770 R/W Sup: $35 Con Sup: $540 $1,855	18-19 19-20 19-20 20-21	PA&ED: 10/1/2019 R/W Cert: 7/1/2020 RTL: 8/24/2020 Begin Con: 2/15/2021
			Total Project Cost:	**$5,648**		
New			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 15 Location(s)			
BRIDGE PRESERVATION						
06-Kings-41 30.6/33.0 6873 0616000208	In and near Stratford, from 22nd Street to Laurel Avenue at the Kings River Bridge No. 45-0007. Replace 73 year old bridge due to extensive superstructure and substructure distress and susceptibility to liquefaction.	0V110 2021-22	R/W: $94 Const: $21,400 Subtotal: $21,494	PA&ED: $2,300 PS&E: $2,700 R/W Sup: $400 Con Sup: $6,400 $11,800	Prior 19-20 19-20 21-22	PA&ED: 4/2/2020 R/W Cert: 9/1/2021 RTL: 10/1/2021 Begin Con: 5/11/2022
			Total Project Cost:	**$33,294**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			

2018 SHOPP Project List
Kings
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
ROADSIDE PRESERVATION									
06-Kings-198 R16.6/R21.5 6815 0617000010	In and near Hanford, from 0.3 mile west of 12th Avenue to 0.5 mile east of Route 43/198 Separation. Electrical upgrade of booster pumps, replace irrigation mainline, valves and valve wiring.	0V820 2020-21	R/W:	$7	PA&ED:	$270	18-19	PA&ED:	7/5/2019
			Const:	$1,550	PS&E:	$590	19-20	R/W Cert:	7/3/2020
					R/W Sup:	$22	19-20	RTL:	8/7/2020
					Con Sup:	$520	20-21	Begin Con:	2/1/2021
			Subtotal:	$1,557		$1,402			
			Total Project Cost:			**$2,959**			
			Program Code	201.210 Highway Planting Restoration					
New			**Performance Measure**	17.9 Acre(s)					

Kings County

R/W:	$247	PA&ED:	$4,070
Const:	$46,440	PS&E:	$6,890
		R/W Sup:	$1,497
		Con Sup:	$9,910
Subtotal:	$46,687		$22,367
Total (Capital + Support):			**$69,054**

2018 SHOPP Project List
Lake
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
01-Lake-20 5.1/5.7 4647 0116000170	Near Upper Lake, from 0.4 mile west to 0.2 mile east of Witter Springs Road. Curve improvement, shoulder widening, and add left-turn pocket and rumble strips.	0G330 2019-20	R/W: $234 Const: $7,441	PA&ED: $1,463 PS&E: $1,877 R/W Sup: $144 Con Sup: $1,870	Prior 18-19 18-19 19-20	PA&ED: 4/8/2019 R/W Cert: 4/1/2020 RTL: 4/15/2020 Begin Con: 12/3/2020
			Subtotal: $7,675	$5,354		
			Total Project Cost:	**$13,029**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 14 Collision(s) reduced			
01-Lake-29 3203 0115000004	Near Lower Lake, at various locations. Widen for truck climbing lanes and shoulders.	0E730 2019-20	R/W: $459 Const: $5,646	PA&ED: $1,355 PS&E: $1,216 R/W Sup: $62 Con Sup: $2,039	Prior 18-19 18-19 19-20	PA&ED: 10/1/2018 R/W Cert: 9/26/2019 RTL: 10/15/2019 Begin Con: 2/5/2020
			Subtotal: $6,105	$4,672		
			Total Project Cost:	**$10,777**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 45 Collision(s) reduced			
01-Lake-29 12.8/14.4 3102 0115000003	Near Lower Lake, from north of Spruce Grove Road to south of Hofacker Lane. Widen shoulders.	0E720 2019-20	R/W: $502 Const: $8,813	PA&ED: $1,280 PS&E: $1,119 R/W Sup: $88 Con Sup: $2,464	Prior 18-19 18-19 19-20	PA&ED: 10/1/2018 R/W Cert: 10/1/2019 RTL: 10/15/2019 Begin Con: 4/15/2020
			Subtotal: $9,315	$4,951		
			Total Project Cost:	**$14,266**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 18 Collision(s) reduced			
01-Lake-29 28.5/31.6 3099 0114000043	Near Kelseyville, from north of Route 29/281 Junction to north of Route 29/175 Junction. Improve road condition.	29811 2018-19	R/W: $9,777 Const: $38,578	PA&ED: $4,000 PS&E: $4,638 R/W Sup: $1,920 Con Sup: $7,137	Prior Prior Prior 18-19	PA&ED: 11/30/2016 R/W Cert: 12/15/2018 RTL: 1/15/2019 Begin Con: 8/3/2019
			Subtotal: $48,355	$17,695		
			Total Project Cost:	**$66,050**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 83 Collision(s) reduced			

2018 SHOPP Project List
Lake
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
01-Lake-20 7018 0115000037	In Lake and Mendocino Counties on various routes at various locations. Upgrade guardrail, end treatments, and transition railings to current standards and install vegetation control measures.	0E850 2018-19	R/W: Const:	$12 $3,230	PA&ED: PS&E: R/W Sup: Con Sup:	$742 $812 $81 $1,076	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	7/13/2018 2/15/2019 3/1/2019 9/2/2019
			Subtotal:	$3,242		$2,711			
			Total Project Cost:			**$5,953**			
Carryover			**Program Code**	201.015 Collision Severity Reduction					
			Performance Measure	174 Collision(s) reduced					

BRIDGE PRESERVATION

01-Lake-20 5.8 3107 0116000013	Near Upper Lake, at Bachelor Creek Bridge No. 14-0001. Replace multi-plate steel culvert bridge with precast concrete box culverts and wingwalls.	0F490 2020-21	R/W: Const:	$21 $3,330	PA&ED: PS&E: R/W Sup: Con Sup:	$577 $708 $14 $595	Prior 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	12/26/2018 6/24/2019 7/15/2020 12/17/2020
			Subtotal:	$3,351		$1,894			
			Total Project Cost:			**$5,245**			
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation					
			Performance Measure	1 Bridge(s)					
01-Lake-20 3098 0113000122	In Lake County, on Routes 20, 29 and 175 at various locations. Replace and upgrade bridge rails on five bridges.	0E080 2019-20	R/W: Const:	$263 $5,621	PA&ED: PS&E: R/W Sup: Con Sup:	$943 $1,136 $324 $1,601	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	1/1/2019 7/1/2019 8/15/2019 1/1/2020
			Subtotal:	$5,884		$4,004			
			Total Project Cost:			**$9,888**			
Carryover			**Program Code**	201.112 Bridge Rail Replacement and Upgrade					
			Performance Measure	853.0 Linear feet					

MOBILITY

01-Lake-29 7017 0115000034	In Lake and Mendocino Counties, on Routes 20, 29, 101, 175, and 281 at various locations. Upgrade the existing Transportation Management System (TMS) elements to improve traffic monitoring and data transmission.	0E830 2020-21	R/W: Const:	$30 $2,087	PA&ED: PS&E: R/W Sup: Con Sup:	$587 $852 $50 $1,021	Prior 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/1/2019 6/25/2020 8/1/2020 12/17/2020
			Subtotal:	$2,117		$2,510			
			Total Project Cost:			**$4,627**			
Carryover			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	21 Field element(s)					

2018 SHOPP Project List
Lake
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
01-Lake-53 3104 0115000033	In Lake County, on Routes 20, 29, 53, and 175 at various locations. Upgrade the existing Transportation Management System (TMS) elements to improve traffic monitoring and data transmission.	0E820 2020-21	R/W: Const:	$39 $2,123	PA&ED: PS&E: R/W Sup: Con Sup:	$618 $844 $186 $1,073	Prior 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/1/2019 6/25/2020 8/1/2020 12/17/2020
			Subtotal:	$2,162		$2,721			
			Total Project Cost:			**$4,883**			
Carryover			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	30 Field element(s)					

MULTIPLE OBJECTIVE

01-Lake-20 28.4 3112 0117000051	Near Clearlake Oaks, at the Clearlake Oaks Maintenance Station. Transportation infrastructure improvement for zero-emission vehicle charging. (PA&ED Only)	0G700 2018-19	* R/W: * Const:	$6 $361	PA&ED: * PS&E: * R/W Sup: * Con Sup:	$230 $150 $32 $133	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/17/2018 12/24/2018 1/15/2019 5/15/2019
			Subtotal:	$367		$545			
			Total Project Cost:			**$912**			
			** Const, * R/W, * PS&E, * R/W Sup, * Con Sup phase(s) are NOT authorized*						
Carryover			**Program Code**	201.999 MULTIPLE OBJECTIVE					
			Performance Measure	1 Location(s)					

Lake County

R/W:	$11,343	PA&ED:	$11,795
Const:	$77,230	PS&E:	$13,352
		R/W Sup:	$2,901
		Con Sup:	$19,009
Subtotal:	$88,573		$47,057
Total (Capital + Support):			**$135,630**

2018 SHOPP Project List
Lassen
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
02-Lassen-44 31.9/32.6 3609 0216000005	Near Susanville, from 0.3 mile west to 0.4 mile east of Big Springs Road. Curve improvement.	1H440 2018-19	R/W: $104 Const: $2,896	PA&ED: $484 PS&E: $645 R/W Sup: $187 Con Sup: $859	Prior Prior Prior 18-19	PA&ED: 8/1/2017 R/W Cert: 6/15/2018 RTL: 7/5/2018 Begin Con: 10/23/2018
			Subtotal: $3,000	$2,175		
			Total Project Cost:	**$5,175**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 16 Collision(s) reduced			
BRIDGE PRESERVATION						
02-Lassen-36 7.2/7.4 3512 0213000006	Near Westwood, at Goodrich Creek Bridge No. 07-0048. Replace bridge.	4F560 2019-20	R/W: $45 Const: $3,611	PA&ED: $1,500 PS&E: $1,280 R/W Sup: $60 Con Sup: $1,419	Prior Prior Prior 19-20	PA&ED: 5/1/2018 R/W Cert: 8/1/2019 RTL: 8/14/2019 Begin Con: 1/24/2020
			Subtotal: $3,656	$4,259		
			Total Project Cost:	**$7,915**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
ROADWAY PRESERVATION						
02-Lassen-36 6.1/14.3 3468 0200020287	Near Westwood, from 1.2 miles west of Goodrich Creek Bridge to 1.3 miles west of Willard Creek Road. Rehabilitate roadway.	4E460 2019-20	R/W: $1,302 Const: $22,789	PA&ED: $1,650 PS&E: $1,600 R/W Sup: $340 Con Sup: $2,173	Prior Prior Prior 19-20	PA&ED: 5/1/2018 R/W Cert: 8/1/2019 RTL: 8/14/2019 Begin Con: 1/24/2020
			Subtotal: $24,091	$5,763		
			Total Project Cost:	**$29,854**		
Carryover			**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 20.9 Lane mile(s)			
02-Lassen-299 18.5/25.6 3467 0200020286	Near Adin, from west of Boyd Hill Lookout Road to Butte Creek Bridge; also in Modoc County from Ash Creek Bridge to east of County Road 87 (PM 0.0/0.5 and PM 1.0/1.8). Roadway rehabilitation.	4E450 2019-20	R/W: $281 Const: $14,317	PA&ED: $1,540 PS&E: $1,330 R/W Sup: $280 Con Sup: $2,150	Prior 18-19 18-19 19-20	PA&ED: 1/17/2019 R/W Cert: 1/17/2020 RTL: 2/21/2020 Begin Con: 8/25/2020
			Subtotal: $14,598	$5,300		
			Total Project Cost:	**$19,898**		
Carryover			**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 16.8 Lane mile(s)			

2018 SHOPP Project List
Lassen
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
FACILITIES									
02-Lassen-299 25.6 3600 0215000106	Near Adin, at the Adin Maintenance Station (L5701). Construct new facility.	1H110 2018-19	R/W: Const:	$20 $12,850	PA&ED: PS&E: R/W Sup: Con Sup:	$260 $2,650 $40 $3,200	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	9/29/2017 7/13/2018 3/15/2019 10/15/2019
			Subtotal:	$12,870		$6,150			
			Total Project Cost:			**$19,020**			
			Program Code		201.352 Maintenance Facilities				
Carryover			**Performance Measure**		1 Location(s)				

Lassen County

R/W:	$1,752	PA&ED:	$5,434
Const:	$56,463	PS&E:	$7,505
		R/W Sup:	$907
		Con Sup:	$9,801
Subtotal:	$58,215		$23,647
Total (Capital + Support):			**$81,862**

2018 SHOPP Project List
Los Angeles
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
07-Los Angeles-1 42.5 5059 0716000335	In Malibu, south of Big Rock Drive. Shoreline embankment restoration by installing Rock Slope Protection (RSP) armament.	4X970 2021-22	R/W: $4,900 Const: $3,300	PA&ED: $1,600 PS&E: $2,400 R/W Sup: $950 Con Sup: $2,750	Prior 19-20 19-20 21-22	PA&ED: 9/5/2019 R/W Cert: 11/5/2021 RTL: 12/13/2021 Begin Con: 8/1/2022
			Subtotal: $8,200	$7,700		
			Total Project Cost:	**$15,900**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 1 Location(s)			
COLLISION REDUCTION						
07-Los Angeles-1 6.0 5239 0717000160	In Long Beach, at Atlantic Avenue. Install protected left-turn signal phases for northbound and southbound movements, and upgrade signal poles, mast arms, and hardware.	33980 2019-20	R/W: $87 Const: $442	PA&ED: PS&E: $1,040 R/W Sup: $16 Con Sup: $728	 Prior Prior 19-20	PA&ED: 11/20/2017 R/W Cert: 7/1/2019 RTL: 9/1/2019 Begin Con: 7/1/2020
			Subtotal: $529	$1,784		
			Total Project Cost:	**$2,313**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 32 Collision(s) reduced			
07-Los Angeles-5 18.3 5153 0716000290	In the City of Los Angeles, at the westbound Route 10 connector to southbound Route 5. Apply High Friction Surface Treatment (HFST) and upgrade lighting.	33270 2018-19	R/W: $10 Const: $2,600	PA&ED: $215 PS&E: $1,152 R/W Sup: $15 Con Sup: $1,095	Prior Prior Prior 18-19	PA&ED: 2/27/2018 R/W Cert: 2/19/2019 RTL: 3/29/2019 Begin Con: 3/2/2020
			Subtotal: $2,610	$2,477		
			Total Project Cost:	**$5,087**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 62 Collision(s) reduced			
07-Los Angeles-10 R12.3/R15.5 5152 0716000287	Near Culver City, from Arlington Avenue to Broadway Street. Replace raised islands on mainline and collector-distributor roads with concrete barrier (Type 60) and install new lights from Arlington Avenue to Hoover Street (PM R12.3/14.2). Also install high mast LED lighting at Route 10/110 Interchange.	33260 2019-20	R/W: $63 Const: $18,394	PA&ED: $1,391 PS&E: $3,888 R/W Sup: $276 Con Sup: $3,544	Prior 18-19 18-19 19-20	PA&ED: 9/4/2018 R/W Cert: 2/4/2020 RTL: 3/18/2020 Begin Con: 5/19/2021
			Subtotal: $18,457	$9,099		
			Total Project Cost:	**$27,556**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 404 Collision(s) reduced			

2018 SHOPP Project List
Los Angeles
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-110 9.7 5084 0716000233	In the city of Los Angeles, at the northbound Route 110 connector to eastbound Route 91. Apply High Friction Bauxite Surface Treatment (HFBST), install high visibility thermoplastic lane and edge lines and upgrade guardrail to current standards.	33160 2018-19	R/W: $10 Const: $1,585	PA&ED: $304 PS&E: $558 R/W Sup: $13 Con Sup: $756	Prior Prior Prior 18-19	PA&ED: 12/20/2017 R/W Cert: 7/13/2018 RTL: 9/20/2018 Begin Con: 7/1/2019
			Subtotal: $1,595	$1,631		
			Total Project Cost:	**$3,226**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 30 Collision(s) reduced			
07-Los Angeles-110 25.8/30.6 5083 0716000231	In the city of Los Angeles and South Pasadena, between Figueroa Street and Orange Grove Avenue. Convert outside lane to a dynamic lane/shoulder that can switch between the two depending on prevailing traffic conditions. This will require Dynamic Message Signs (DMS) monitored by the Transportation Management Center (TMC).	33150 2019-20	R/W: $4,982 Const: $25,284	PA&ED: $2,835 PS&E: $3,735 R/W Sup: $1,318 Con Sup: $5,390	Prior 18-19 18-19 19-20	PA&ED: 12/18/2018 R/W Cert: 5/15/2020 RTL: 6/1/2020 Begin Con: 2/26/2021
			Subtotal: $30,266	$13,278		
			Total Project Cost:	**$43,544**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 504 Collision(s) reduced			
07-Los Angeles-110 28.7/29.4 5037 0716000117	In Highland Park and South Pasadena, from south of Avenue 60 to north of Avenue of 64. Place High Friction Surface Treatment (HFST).	32660 2018-19	R/W: $11 Const: $2,059	PA&ED: $600 PS&E: $1,265 R/W Sup: $15 Con Sup: $885	Prior Prior Prior 18-19	PA&ED: 1/22/2018 R/W Cert: 8/17/2018 RTL: 10/1/2018 Begin Con: 8/1/2019
			Subtotal: $2,070	$2,765		
			Total Project Cost:	**$4,835**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 436 Collision(s) reduced			
07-Los Angeles-138 49.5 5155 0716000297	In Palmdale, at the intersection of Avenue R-8. Upgrade traffic signal system, curb ramps and install drainage inlets.	33290 2019-20	R/W: $141 Const: $888	PA&ED: $329 PS&E: $988 R/W Sup: $140 Con Sup: $711	Prior 18-19 18-19 19-20	PA&ED: 8/10/2018 R/W Cert: 6/19/2019 RTL: 8/2/2019 Begin Con: 3/11/2020
			Subtotal: $1,029	$2,168		
			Total Project Cost:	**$3,197**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 17 Collision(s) reduced			

2018 SHOPP Project List
Los Angeles
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-605 23.4/23.6 4963 0716000001	In Irwindale, at the Route 605 northbound ramp to westbound Live Oak Avenue. Realign and widen ramp, construct retaining wall, install concrete barrier and replace guardrail.	31880 2019-20	R/W: $1,077 Const: $3,520	PA&ED: PS&E: $1,232 R/W Sup: $276 Con Sup: $1,340	 Prior Prior 19-20	PA&ED: 6/29/2016 R/W Cert: 2/18/2020 RTL: 4/8/2020 Begin Con: 7/7/2020
			Subtotal: $4,597	$2,848		
			Total Project Cost:	**$7,445**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 203 Collision(s) reduced			
07-Los Angeles-Var 4969 0716000022	In Los Angeles and Ventura Counties, on various routes and locations. Upgrade and install new curve warning signs.	31930 2020-21	R/W: $10 Const: $2,090	PA&ED: $594 PS&E: $1,571 R/W Sup: $12 Con Sup: $878	18-19 19-20 19-20 20-21	PA&ED: 7/15/2019 R/W Cert: 9/1/2020 RTL: 10/1/2020 Begin Con: 7/30/2021
			Subtotal: $2,100	$3,055		
			Total Project Cost:	**$5,155**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 20 Collision(s) reduced			
07-Los Angeles-1 3.5 4632 0713000302	In Long Beach, at Lakewood Boulevard (Route 19) and Los Alamitos Traffic Circle. Install pavement delineation, overhead guide signs and associated roadway improvements.	29910 2018-19	R/W: $11 Const: $2,326	PA&ED: $478 PS&E: $1,028 R/W Sup: $20 Con Sup: $607	Prior 18-19 18-19 18-19	PA&ED: 7/10/2018 R/W Cert: 2/28/2019 RTL: 3/29/2019 Begin Con: 12/18/2019
			Subtotal: $2,337	$2,133		
			Total Project Cost:	**$4,470**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 59 Collision(s) reduced			
07-Los Angeles-2 26.7/79.2 5151 0716000270	In Los Angeles County, in Angeles National Forest, from 0.3 mile east of Bay Tree Road to 0.7 mile west of Big Pines Highway at various locations. Upgrade existing guardrail and install new guardrail, and install stormwater Treatment Best Management Practices (BMPs).	33250 2020-21	R/W: $28 Const: $16,507	PA&ED: $1,020 PS&E: $2,670 R/W Sup: $20 Con Sup: $2,600	18-19 19-20 19-20 20-21	PA&ED: 7/15/2019 R/W Cert: 1/20/2021 RTL: 3/20/2021 Begin Con: 9/28/2021
			Subtotal: $16,535	$6,310		
			Total Project Cost:	**$22,845**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 129 Collision(s) reduced			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-10 21.6/31.0 5077 0716000213	In the cities of Monterey Park, Rosemead, and El Monte, from 0.7 mile west of South Fremont Avenue Undercrossing to 0.5 mile east of Durfee Avenue Undercrossing. Upgrade twenty-seven overhead sign posts, associated pedestals, and concrete barriers to current standards to reduce the potential snagging for out of control vehicles.	33030 2021-22	R/W: $200 Const: $4,046 Subtotal: $4,246	PA&ED: $635 PS&E: $1,820 R/W Sup: $531 Con Sup: $1,945 $4,931	18-19 19-20 19-20 21-22	PA&ED: 8/30/2019 R/W Cert: 10/29/2021 RTL: 12/31/2021 Begin Con: 8/1/2022
New			**Total Project Cost:**	**$9,177**		
			Program Code	201.015 Collision Severity Reduction		
			Performance Measure	63 Collision(s) reduced		
07-Los Angeles-39 32.2/38.4 5046 0716000132	Near Azusa, from 0.9 mile north of North Fork San Gabriel Bridge No. 53-2245 to 0.2 mile north of Crystal Lake Road (PM T32.1 to 38.4). Upgrade guardrail and end treatments to current standards.	32760 2020-21	R/W: $20 Const: $4,190 Subtotal: $4,210	PA&ED: $486 PS&E: $1,893 R/W Sup: $10 Con Sup: $1,284 $3,673	18-19 18-19 20-21 20-21	PA&ED: 4/12/2019 R/W Cert: 12/17/2020 RTL: 2/5/2021 Begin Con: 10/8/2021
New			**Total Project Cost:**	**$7,883**		
			Program Code	201.015 Collision Severity Reduction		
			Performance Measure	40 Collision(s) reduced		
07-Los Angeles-91 6.3/18.1 4968 0716000020	In the cities of Compton, Paramount and Bellflower; also on Route 105 (PM R0.50/R18.14), Route 110 (PM 1.23/R11.89) and Route 405 (PM 0.27/28.51). Construct shoulder rumble strips ground-in indentations where right shoulder is less than 4 feet.	31920 2020-21	R/W: $10 Const: $2,300 Subtotal: $2,310	PA&ED: $156 PS&E: $400 R/W Sup: $30 Con Sup: $550 $1,136	18-19 19-20 19-20 20-21	PA&ED: 2/28/2019 R/W Cert: 11/1/2020 RTL: 12/1/2020 Begin Con: 7/30/2021
New			**Total Project Cost:**	**$3,446**		
			Program Code	201.015 Collision Severity Reduction		
			Performance Measure	372 Collision(s) reduced		
07-Los Angeles-101 7.7/27.7 4709 0714000035	In the city of Los Angeles, from Highland Avenue to south of Parkway Calabasas. Upgrade median concrete barrier to meet the current standards.	30370 2018-19	R/W: $27 Const: $35,300 Subtotal: $35,327	PA&ED: $550 PS&E: $4,800 R/W Sup: $27 Con Sup: $6,000 $11,377	Prior Prior Prior 18-19	PA&ED: 12/29/2017 R/W Cert: 5/15/2019 RTL: 6/14/2019 Begin Con: 8/13/2020
Carryover			**Total Project Cost:**	**$46,704**		
			Program Code	201.015 Collision Severity Reduction		
			Performance Measure	60 Collision(s) reduced		

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-110 18.8/23.8 4785 0714000264	In the city of Los Angeles, from Vernon Avenue to Route 101. Upgrade Metal Beam Guardrail to Midwest Guardrail System, end treatments, and crash attenuators.	30910 2018-19	R/W: $25 Const: $4,520	PA&ED: $306 PS&E: $2,280 R/W Sup: $45 Con Sup: $1,357	Prior 18-19 18-19 18-19	PA&ED: 7/2/2018 R/W Cert: 10/15/2018 RTL: 3/21/2019 Begin Con: 8/30/2019
			Subtotal: $4,545	$3,988		
			Total Project Cost:	**$8,533**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 13 Collision(s) reduced			
07-Los Angeles-5 39.2/R44.4 4975 0716000028	In San Fernando and Sylmar, from Pacoima Wash to Balboa Boulevard. Construct Maintenance Vehicle Pullouts (MVPs), access roads and gates, relocate irrigation facilities, pave beyond gore and under guardrail.	31990 2020-21	R/W: $31 Const: $2,588	PA&ED: $495 PS&E: $1,322 R/W Sup: $16 Con Sup: $1,140	18-19 19-20 19-20 20-21	PA&ED: 8/30/2019 R/W Cert: 12/31/2020 RTL: 1/29/2021 Begin Con: 8/31/2021
			Subtotal: $2,619	$2,973		
			Total Project Cost:	**$5,592**		
New			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 82 Location(s)			
07-Los Angeles-10 R2.1/R11.1 4715 0714000055	In the cities of Los Angeles and Santa Monica, from Route 1/10 separation bridge to west of Crenshaw Boulevard. Roadside safety improvements.	30420 2018-19	R/W: $30 Const: $5,464	PA&ED: $100 PS&E: $1,560 R/W Sup: $48 Con Sup: $1,100	Prior Prior Prior 18-19	PA&ED: 12/29/2017 R/W Cert: 2/1/2019 RTL: 3/1/2019 Begin Con: 11/1/2019
			Subtotal: $5,494	$2,808		
			Total Project Cost:	**$8,302**		
Carryover			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 214 Location(s)			
07-Los Angeles-10 18.3/21.1 4716 0714000058	In the city of Los Angeles, from Route 5 to west of Route 710. Roadside safety improvements.	30430 2018-19	R/W: $30 Const: $2,553	PA&ED: $139 PS&E: $1,100 R/W Sup: $34 Con Sup: $1,060	Prior Prior Prior 18-19	PA&ED: 3/1/2018 R/W Cert: 2/1/2019 RTL: 3/1/2019 Begin Con: 9/30/2019
			Subtotal: $2,583	$2,333		
			Total Project Cost:	**$4,916**		
Carryover			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 106 Location(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
07-Los Angeles-14 R24.8/R31.4 4809 0715000007	In and near Santa Clarita, from Route 5 to Canyon Park Boulevard. Construct roadside safety improvements.	31080 2018-19	R/W: Const:	$30 $3,152	PA&ED: PS&E: R/W Sup: Con Sup:	$118 $1,100 $48 $1,400	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	12/1/2017 2/1/2019 3/1/2019 11/27/2019
			Subtotal:	$3,182		$2,666			
			Total Project Cost:			**$5,848**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		102	Location(s)			
07-Los Angeles-14 R31.4/36.5 4976 0716000029	In and near Santa Clarita, from Canyon Park Boulevard to Spring Canyon Road Undercrossing. Place vegetation control under guardrail, minor concrete beyond gore, slope pave beneath abutments, rock blanket at narrow areas, cable mesh drapery systems and install sign post sleeves beyond gore.	32000 2020-21	R/W: Const:	$19 $3,063	PA&ED: PS&E: R/W Sup: Con Sup:	$459 $1,047 $55 $954	18-19 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2019 11/30/2020 12/15/2020 8/15/2021
			Subtotal:	$3,082		$2,515			
			Total Project Cost:			**$5,597**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		72	Location(s)			
07-Los Angeles-14 R54.6/R66.2 4811 0715000006	In and near Lancaster, from Vincent Ramp Undercrossing to Avenue K 8 Overcrossing. Roadside safety improvements.	31110 2019-20	R/W: Const:	$30 $3,257	PA&ED: PS&E: R/W Sup: Con Sup:	$118 $1,200 $48 $1,430	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	2/1/2018 8/30/2019 10/1/2019 7/1/2020
			Subtotal:	$3,287		$2,796			
			Total Project Cost:			**$6,083**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		92	Location(s)			
07-Los Angeles-27 7.9/10.1 4652 0713000314	Near Glenview, from Entrado Drive to Woodland Crest Drive. Enhance highway worker safety by installing weed control under existing guardrail.	29960 2018-19	R/W: Const:	 $1,100	PA&ED: PS&E: R/W Sup: Con Sup:	$101 $700 $10 $389	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/29/2015 3/9/2017 5/18/2017 12/7/2018
			Subtotal:	$1,100		$1,200			
			Total Project Cost:			**$2,300**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		12	Location(s)			

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07-Los Angeles-57 R0.0/5.5 5023 0716000078	In and near Diamond Bar, from Orange County line to 0.1 mile west of Hospital Overcrossing. Construct Maintenance Vehicle Pullouts (MVPs), pave beyond gore areas and construct biofiltration swales.	32480 2021-22	R/W: $15 Const: $2,885	PA&ED: $183 PS&E: $585 R/W Sup: $22 Con Sup: $666	18-19 19-20 21-22 21-22	PA&ED: 4/21/2020 R/W Cert: 9/22/2021 RTL: 10/21/2021 Begin Con: 5/2/2022
			Subtotal: $2,900	$1,456		
			Total Project Cost:	**$4,356**		
New			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	23	Location(s)	
07-Los Angeles-57 R7.7/R11.8 4706 0714000032	In San Dimas and Glendora, from Route 10 to Route 210. Roadside safety improvements.	30180 2018-19	R/W: $30 Const: $2,768	PA&ED: $100 PS&E: $1,200 R/W Sup: $48 Con Sup: $1,150	Prior Prior Prior 18-19	PA&ED: 1/19/2018 R/W Cert: 2/1/2019 RTL: 3/1/2019 Begin Con: 11/27/2019
			Subtotal: $2,798	$2,498		
			Total Project Cost:	**$5,296**		
Carryover			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	55	Location(s)	
07-Los Angeles-91 R13.9/R16.6 4714 0714000057	In Long Beach, Bellflower and Cerritos, from 0.2 mile west of Downey Avenue Undercrossing to 0.2 mile east of San Gabriel River Bridge. Roadside safety improvements.	30410 2018-19	R/W: $90 Const: $3,601	PA&ED: $99 PS&E: $1,720 R/W Sup: $48 Con Sup: $1,320	Prior Prior Prior 18-19	PA&ED: 12/29/2017 R/W Cert: 2/1/2019 RTL: 3/1/2019 Begin Con: 11/1/2019
			Subtotal: $3,691	$3,187		
			Total Project Cost:	**$6,878**		
Carryover			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	23	Location(s)	
07-Los Angeles-101 R6.2/R9.2 5072 0716000203	In the city of Los Angeles, from Wilton Place Overcrossing to Barham Boulevard Overcrossing. Place minor concrete at narrow paving areas and slopes, pave areas beyond gore, replace fencing and gates, install sign post sleeves and construct Maintenance Vehicle Pullouts (MVPs).	32960 2021-22	R/W: $15 Const: $3,185	PA&ED: $518 PS&E: $1,520 R/W Sup: $20 Con Sup: $1,465	18-19 20-21 20-21 21-22	PA&ED: 8/15/2020 R/W Cert: 11/1/2021 RTL: 12/1/2021 Begin Con: 8/1/2022
			Subtotal: $3,200	$3,523		
			Total Project Cost:	**$6,723**		
New			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	142	Location(s)	

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07-Los Angeles-105 R14.1/R17.2 4893 0715000209	In and near Downey, from Garfield Avenue to east of Woodruff Avenue. Roadside safety improvements.	31640 2019-20	R/W: Const:	$30 $1,301	PA&ED: PS&E: R/W Sup: Con Sup:	$125 $900 $30 $705	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/7/2018 11/20/2019 12/6/2019 6/5/2020
			Subtotal:	$1,331		$1,760			
			Total Project Cost:			**$3,091**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		81	Location(s)			
07-Los Angeles-110 3.5/6.0 5214 0716000401	In and near Carson, from West Anaheim Street to E 228th Street. Construct Maintenance Vehicle Pullouts (MVPs), rock blankets, access roads fences/gates, stairways to access slopes, relocate controller cabinets and signs.	33650 2021-22	R/W: Const:	$42 $2,128	PA&ED: PS&E: R/W Sup: Con Sup:	$730 $1,701 $46 $1,129	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	11/30/2019 7/15/2021 7/30/2021 3/30/2022
			Subtotal:	$2,170		$3,606			
			Total Project Cost:			**$5,776**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		38	Location(s)			
07-Los Angeles-110 20.0/23.6 4973 0716000026	In the city of Los Angeles, from Exposition Boulevard to Temple Street. Pave beyond gore, slope paving under structures, construct Maintenance Vehicle Pullouts (MVPs), upgrade end treatment to Smart cushion crash attenuator and place vegetation control under guardrail.	31970 2020-21	R/W: Const:	$9 $2,427	PA&ED: PS&E: R/W Sup: Con Sup:	$512 $1,460 $93 $964	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	12/24/2019 1/26/2021 3/18/2021 12/22/2021
			Subtotal:	$2,436		$3,029			
			Total Project Cost:			**$5,465**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		76	Location(s)			
07-Los Angeles-118 R4.5/R9.1 5216 0717000014	In the cities of Granada Hills and Porter Ranch, from 700 feet west of Tampa Avenue to Woodley Avenue. Construct Maintenance Vehicle Pullouts (MVPs), pave beyond gore, repave side slopes, relocate irrigation controller, and provide access gates.	33680 2021-22	R/W: Const:	$163 $2,669	PA&ED: PS&E: R/W Sup: Con Sup:	$659 $1,677 $53 $1,513	19-20 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	9/1/2020 10/1/2021 12/1/2021 7/1/2022
			Subtotal:	$2,832		$3,902			
			Total Project Cost:			**$6,734**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		30	Location(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
07-Los Angeles-118 R9.0/R10.1 4808 0715000004	In Mission Hills, from Woodley Avenue to Route 405. Pave areas beyond gore, install access gates, construct maintenance vehicle and shoulder pullouts, upgrade and relocate irrigation systems.	31070 2018-19	R/W: Const:	$20 $2,654	PA&ED: PS&E: R/W Sup: Con Sup:	$118 $1,058 $20 $1,027	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/27/2017 9/28/2018 11/28/2018 5/20/2019
			Subtotal:	$2,674		$2,223			
			Total Project Cost:			**$4,897**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		30	Location(s)			
07-Los Angeles-170 R14.5/R16.6 5073 0716000204	In the cities of Los Angeles and North Hollywood, from 170/134 Junction to Oxnard Street Undercrossing. Construct Maintenance Vehicle Pullouts (MVPs), access trail, minor concrete beyond gore and along ramps, rock blanket at ramps, install fencing and gates, vandal resistant pedestrian Undercrossing enclosures.	32970 2021-22	R/W: Const:	$41 $3,262	PA&ED: PS&E: R/W Sup: Con Sup:	$526 $1,313 $34 $1,025	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	8/15/2020 11/1/2021 12/1/2021 8/1/2022
			Subtotal:	$3,303		$2,898			
			Total Project Cost:			**$6,201**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		84	Location(s)			
07-Los Angeles-210 R24.6/R25.3 4810 0715000005	In Pasadena, at the Route 134/210/710 Interchange. Roadside safety improvements.	31100 2019-20	R/W: Const:	$30 $2,970	PA&ED: PS&E: R/W Sup: Con Sup:	$118 $950 $30 $990	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	3/16/2018 9/23/2019 10/21/2019 5/4/2020
			Subtotal:	$3,000		$2,088			
			Total Project Cost:			**$5,088**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		53	Location(s)			
07-Los Angeles-210 R25.0/R32.8 4708 0714000031	In Pasadena, Arcadia and Monrovia, from Route 710 to Huntington Drive. Roadside safety improvements.	30360 2018-19	R/W: Const:	$30 $2,624	PA&ED: PS&E: R/W Sup: Con Sup:	$144 $854 $31 $850	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	12/1/2017 2/1/2019 3/1/2019 9/30/2019
			Subtotal:	$2,654		$1,879			
			Total Project Cost:			**$4,533**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		47	Location(s)			

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07-Los Angeles-210 R32.8/R44.7 4707 0714000030	In the cities of Monrovia, Duarte, Irwindale, Azusa and Glendora, from Huntington Drive to Route 57. Roadside safety improvements.	30190 2018-19	R/W: Const:	$30 $5,488	PA&ED: PS&E: R/W Sup: Con Sup:	$220 $1,270 $26 $1,252	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/20/2017 11/1/2018 12/3/2018 5/17/2019
			Subtotal:	$5,518		$2,768			
			Total Project Cost:			**$8,286**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		44	Location(s)			
07-Los Angeles-405 7.0/12.9 5000 0716000052	In Long Beach and Carson, from the Route 710/405 Interchange to Route 110/405 Interchange. Construct access roads, pave around gore areas, construct Maintenance Vehicle Pullouts (MVPs), minor/patterned concrete paving on slopes, upgrade guardrail and end treatment, vegetation management control.	32180 2021-22	R/W: Const:	$23 $2,267	PA&ED: PS&E: R/W Sup: Con Sup:	$440 $1,500 $60 $1,200	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	1/6/2020 7/14/2021 9/3/2021 1/7/2022
			Subtotal:	$2,290		$3,200			
			Total Project Cost:			**$5,490**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		30	Location(s)			
07-Los Angeles-405 12.9/R21.5 5227 0717000063	In various cities, from 405/110 Junction to north of 405/105 Junction. Construct Maintenance Vehicle Pullouts (MVPs), access road, rock blanket at islands and between ramps and upgrade irrigation systems.	33870 2021-22	R/W: Const:	$29 $3,806	PA&ED: PS&E: R/W Sup: Con Sup:	$522 $1,420 $102 $1,311	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2019 8/2/2021 9/1/2021 3/1/2022
			Subtotal:	$3,835		$3,355			
			Total Project Cost:			**$7,190**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		61	Location(s)			
07-Los Angeles-605 R0.0/R4.3 5229 0717000074	In and near Lakewood, from Los Angeles County line to 183rd Street. Construct Maintenance Vehicle Pullouts (MVPs), anchor assemblies for sign post sleeves, access roads, cable railing, and gates.	33890 2021-22	R/W: Const:	$20 $1,794	PA&ED: PS&E: R/W Sup: Con Sup:	$498 $1,219 $42 $926	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	9/11/2020 11/11/2021 1/26/2022 9/1/2022
			Subtotal:	$1,814		$2,685			
			Total Project Cost:			**$4,499**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		46	Location(s)			

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07-Los Angeles-605 R17.0/R19.5 4713 0714000056	In and near Industry, from south of Route 60 to Valley Boulevard. Roadside safety improvements.	30400 2018-19	R/W: Const: $2,779	PA&ED: $168 PS&E: $900 R/W Sup: $60 Con Sup: $1,283	Prior Prior Prior 18-19	PA&ED: 6/5/2017 R/W Cert: 7/2/2018 RTL: 8/15/2018 Begin Con: 8/1/2019
			Subtotal: $2,779	$2,411		
			Total Project Cost:	**$5,190**		
Carryover			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	60 Location(s)		
07-Los Angeles-710 R15.1/21.9 5078 0716000214	In the cities of South Gate, Bell Gardens and Commerce, from 800 feet north of Rosecrans Avenue to Atlantic Boulevard. Construct Maintenance Vehicle Pullouts (MVPs), pave narrow and gore areas, install fences/gates.	33050 2021-22	R/W: $10 Const: $2,368	PA&ED: $613 PS&E: $1,578 R/W Sup: $12 Con Sup: $1,253	18-19 19-20 19-20 21-22	PA&ED: 7/15/2019 R/W Cert: 9/1/2021 RTL: 10/1/2021 Begin Con: 5/1/2022
			Subtotal: $2,378	$3,456		
			Total Project Cost:	**$5,834**		
New			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	36 Location(s)		
MANDATES						
07-Los Angeles-164 1.4/4.0 5193 0716000345	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 2018-19	R/W: Const: $1,500	PA&ED: PS&E: R/W Sup: Con Sup:		PA&ED: 6/27/2017 R/W Cert: 1/30/2018 RTL: 5/16/2018 Begin Con: 4/30/2018
			Subtotal: $1,500			
			Total Project Cost:	**$1,500**		
New			**Program Code**	201.160 Relinquishments		
			Performance Measure	2.6 Centerline mile(s)		
07-Los Angeles-1 8.3/9.9 4913 0715000261	In Los Angeles and Ventura Counties, on various routes, at various locations. Stabilize soil and erosion control.	31770 2019-20	R/W: $85 Const: $1,545	PA&ED: $400 PS&E: $1,310 R/W Sup: $70 Con Sup: $772	Prior 18-19 18-19 19-20	PA&ED: 7/16/2018 R/W Cert: 8/15/2019 RTL: 9/30/2019 Begin Con: 3/30/2020
			Subtotal: $1,630	$2,552		
			Total Project Cost:	**$4,182**		
Carryover			**Program Code**	201.335 Storm Water Mitigation		
			Performance Measure	.9 Acre(s) treated/pollutant		

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-1 17.4/62.8 4722 0714000086	In various cities, from Calle Mayor to Ventura County line; also on Routes 23 and 27, at various locations. Construct storm water treatment Best Management Practices (BMPs).	30490 2018-19	R/W: $427 Const: $4,740	PA&ED: $800 PS&E: $1,961 R/W Sup: $62 Con Sup: $1,691	Prior Prior Prior 18-19	PA&ED: 3/30/2018 R/W Cert: 2/20/2019 RTL: 3/29/2019 Begin Con: 10/31/2019
			Subtotal: $5,167	$4,514		
			Total Project Cost:	**$9,681**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 24 Acre(s) treated/pollutant			
07-Los Angeles-2 13.1/14.3 4420 0700021024	In Los Angeles County, in various cities on routes 60, 66, 164 and 210 at various locations. Construct and install storm water treatment Best Management Practices (BMPs).	28830 2019-20	R/W: $50 Const: $6,790	PA&ED: $995 PS&E: $2,447 R/W Sup: $95 Con Sup: $2,200	Prior 18-19 18-19 19-20	PA&ED: 9/28/2018 R/W Cert: 11/27/2019 RTL: 12/13/2019 Begin Con: 9/30/2020
			Subtotal: $6,840	$5,737		
			Total Project Cost:	**$12,577**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 48.4 Acre(s) treated/pollutant			
07-Los Angeles-10 R4.5/R5.6 5091 0716000254	In the city of Los Angeles, from Bundy Drive Undercrossing to Sepulveda Boulevard Undercrossing; also on Route 405 from Olympic Boulevard to National Boulevard Undercrossing (PM 29.1/30.8). Install irrigation system and plant vegetation to stabilize soil.	33200 2021-22	R/W: $10 Const: $1,281	PA&ED: $497 PS&E: $1,054 R/W Sup: $16 Con Sup: $1,028	18-19 19-20 19-20 21-22	PA&ED: 3/1/2020 R/W Cert: 9/1/2021 RTL: 11/1/2021 Begin Con: 11/1/2022
			Subtotal: $1,291	$2,595		
			Total Project Cost:	**$3,886**		
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 38.5 Acre(s) treated/pollutant			
07-Los Angeles-10 16.6/30.1 3923 0712000104	In the cities of Los Angeles, Alhambra, El Monte, Monterey Park and Rosemead, from Central Avenue to Cogswell Road; also on Route 405, from Cherry Avenue to South Alameda Street (PM 4.8/8.5). Construct storm water treatment Best Management Practices (BMPs).	26080 2019-20	R/W: $480 Const: $24,000	PA&ED: $3,000 PS&E: $3,305 R/W Sup: $578 Con Sup: $5,500	Prior 18-19 18-19 19-20	PA&ED: 11/30/2018 R/W Cert: 2/12/2020 RTL: 3/12/2020 Begin Con: 8/24/2020
			Subtotal: $24,480	$12,383		
			Total Project Cost:	**$36,863**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 33 Acre(s) treated/pollutant			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-10 46.0/48.0 4971 0716000024	In Claremont and Pomona, from east of N. Orange Grove Avenue Undercrossing to east of S. Indian Hill Boulevard Undercrossing; also on Route 71, from north of 9th Street to south of Route 60/71 Interchange (PM 1.9/4.7). Construct permanent treatment Best Management Practices (BMPs).	31950 2020-21	R/W: $94 Const: $10,200 Subtotal: $10,294 **Total Project Cost:**	PA&ED: $2,100 PS&E: $2,100 R/W Sup: $200 Con Sup: $3,400 $7,800 **$18,094**	18-19 19-20 19-20 20-21	PA&ED: 7/1/2019 R/W Cert: 10/1/2020 RTL: 12/1/2020 Begin Con: 8/1/2021
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 40.8 Acre(s) treated/pollutant			
07-Los Angeles-60 11.0/20.0 4980 0716000040	In and near South El Monte, Industry, Hacienda Heights, and Rowland Heights, from Peck Road to Nogales Street. Construct and install stormwater quality Best Management Practices (BMPs).	32040 2020-21	R/W: $102 Const: $10,168 Subtotal: $10,270 **Total Project Cost:**	PA&ED: $1,407 PS&E: $2,999 R/W Sup: $28 Con Sup: $2,064 $6,498 **$16,768**	18-19 19-20 20-21 21-22	PA&ED: 7/20/2019 R/W Cert: 1/14/2021 RTL: 3/22/2021 Begin Con: 10/10/2021
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 52.5 Acre(s) treated/pollutant			
07-Los Angeles-60 20.0/R26.0 5025 0716000080	In and near Diamond Bar, from Fullerton Road to Diamond Bar Boulevard. Construct and install stormwater treatment Best Management Practices (BMPs) including biofiltration swales/strips and Gross Solids Removal Devices (GSRDs).	32500 2020-21	R/W: $28 Const: $5,215 Subtotal: $5,243 **Total Project Cost:**	PA&ED: $1,035 PS&E: $2,094 R/W Sup: $27 Con Sup: $2,188 $5,344 **$10,587**	18-19 19-20 19-20 20-21	PA&ED: 7/15/2019 R/W Cert: 6/15/2020 RTL: 7/14/2020 Begin Con: 1/14/2021
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 39.4 Acre(s) treated/pollutant			
07-Los Angeles-60 R28.0/R30.4 5011 0716000063	In and near Pomona, from Phillips Ranch Road to Reservoir Street. Construct and install stormwater treatment Best Management Practices (BMPs) including biofiltration swales/strips, detention basin and media filters.	32330 2020-21	R/W: $15 Const: $6,078 Subtotal: $6,093 **Total Project Cost:**	PA&ED: $1,200 PS&E: $2,865 R/W Sup: $90 Con Sup: $2,380 $6,535 **$12,628**	18-19 19-20 19-20 20-21	PA&ED: 9/6/2019 R/W Cert: 12/17/2020 RTL: 2/18/2021 Begin Con: 8/15/2021
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 18.5 Acre(s) treated/pollutant			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
07-Los Angeles-101 S0.0/1.5 4977 0716000030	In the city of Los Angeles, from Routes 5/10/60/101 Interchange to Figueroa Street. Plant vegetation an install supporting irrigation system to stabilize soil.	32010 2021-22	R/W: Const:	$30 $2,650	PA&ED: PS&E: R/W Sup: Con Sup:	$420 $1,010 $50 $1,000	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	1/1/2019 7/15/2021 9/1/2021 3/1/2022
			Subtotal:	$2,680		$2,480			
			Total Project Cost:			**$5,160**			
New			**Program Code**		201.335 Storm Water Mitigation				
			Performance Measure		19.5 Acre(s) treated/pollutant				
07-Los Angeles-101 1.7/6.8 4814 0715000010	In the city of Los Angeles, from Beaudry Avenue to 0.1 mile south of N. Gower Street. Stabilize soil and erosion control.	31140 2018-19	R/W: Const:	$30 $4,468	PA&ED: PS&E: R/W Sup: Con Sup:	$310 $1,200 $48 $1,043	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	12/1/2017 2/1/2019 3/1/2019 12/31/2019
			Subtotal:	$4,498		$2,601			
			Total Project Cost:			**$7,099**			
Carryover			**Program Code**		201.335 Storm Water Mitigation				
			Performance Measure		50 Acre(s) treated/pollutant				
07-Los Angeles-105 R7.8/R10.3 4908 0715000241	In Willowbrook and Lynwood, from Main Street to Mona Boulevard. Storm water mitigation including planting of vegetation and the installation of irrigation systems.	31740 2018-19	R/W: Const:	$30 $2,765	PA&ED: PS&E: R/W Sup: Con Sup:	$150 $890 $50 $1,250	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	8/2/2017 1/15/2019 2/1/2019 8/14/2019
			Subtotal:	$2,795		$2,340			
			Total Project Cost:			**$5,135**			
Carryover			**Program Code**		201.335 Storm Water Mitigation				
			Performance Measure		17.5 Acre(s) treated/pollutant				
07-Los Angeles-110 3.8/6.5 4174 0700000525	In the cities of Los Angeles and Carson, from L Street to 223rd Street. Construct storm water treatment Best Management Practices.	27610 2018-19	R/W: Const:	$65 $9,900	PA&ED: PS&E: R/W Sup: Con Sup:	$940 $1,568 $300 $1,900	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	3/15/2018 3/1/2019 3/29/2019 6/25/2019
			Subtotal:	$9,965		$4,708			
			Total Project Cost:			**$14,673**			
Carryover			**Program Code**		201.335 Storm Water Mitigation				
			Performance Measure		29.6 Acre(s) treated/pollutant				

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-110 13.4/23.1 3279 0714000081	In the city of Los Angeles, from 120th Street to 3rd Street at various locations. Construct gross solid removal devices, biofiltration devices and detention basin.	23830 2018-19	R/W: $10 Const: $11,000	PA&ED: $740 PS&E: $1,855 R/W Sup: $30 Con Sup: $2,234	Prior Prior Prior 18-19	PA&ED: 3/15/2018 R/W Cert: 12/31/2018 RTL: 2/1/2019 Begin Con: 8/30/2019
			Subtotal: $11,010	$4,859		
			Total Project Cost:	**$15,869**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 30.8 Acre(s) treated/pollutant			
07-Los Angeles-118 R1.5/R10.2 5027 0716000083	In the cities of Granada Hills and Porter Ranch, from Topango Canyon Boulevard to Sepulveda Boulevard. Construct and install stormwater treatment Best Management Practices (BMPs) including biofiltration swales/strips, detention basin, media filters and a Gross Solids Removal Devices (GSRDs).	32530 2020-21	R/W: $55 Const: $7,945	PA&ED: $1,600 PS&E: $3,300 R/W Sup: $170 Con Sup: $3,300	18-19 19-20 19-20 20-21	PA&ED: 7/1/2019 R/W Cert: 12/17/2020 RTL: 2/18/2021 Begin Con: 9/1/2021
			Subtotal: $8,000	$8,370		
			Total Project Cost:	**$16,370**		
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 25.3 Acre(s) treated/pollutant			
07-Los Angeles-118 R11.0/R14.0 5001 0716000053	In the city of Los Angeles, from Arleta Avenue to Route 210. Construct stormwater treatment Best Management Practices (BMPs).	32200 2021-22	R/W: $300 Const: $11,750	PA&ED: $2,000 PS&E: $4,000 R/W Sup: $250 Con Sup: $3,500	18-19 20-21 20-21 21-22	PA&ED: 7/1/2020 R/W Cert: 10/15/2021 RTL: 12/10/2021 Begin Con: 6/24/2022
			Subtotal: $12,050	$9,750		
			Total Project Cost:	**$21,800**		
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 20 Acre(s) treated/pollutant			
07-Los Angeles-134 2.6/4.8 4816 0715000011	In and near Burbank, from Bob Hope Drive to Victory Boulevard/Riverside Drive. Stabilize soil and erosion control.	31160 2019-20	R/W: $30 Const: $2,318	PA&ED: $120 PS&E: $1,050 R/W Sup: $48 Con Sup: $1,100	Prior Prior Prior 19-20	PA&ED: 2/1/2018 R/W Cert: 10/1/2019 RTL: 11/1/2019 Begin Con: 9/1/2020
			Subtotal: $2,348	$2,318		
			Total Project Cost:	**$4,666**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 12.5 Acre(s) treated/pollutant			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-210 R0.0/R9.7 3884 0714000104	Near Sylmar, San Fernando and Sunland, from Route 5 to Wheatland Avenue. Construct storm water treatment Best Management Practices (BMPs) to reduce Trash Total Maximum Daily Load (TMDL).	25940 2018-19	R/W: $106 Const: $15,000	PA&ED: $700 PS&E: $3,600 R/W Sup: $100 Con Sup: $3,000	Prior Prior Prior 18-19	PA&ED: 3/15/2018 R/W Cert: 2/15/2019 RTL: 3/28/2019 Begin Con: 1/6/2020
			Subtotal: $15,106	$7,400		
			Total Project Cost:	**$22,506**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 33 Acre(s) treated/pollutant			
07-Los Angeles-210 R33.7/R39.8 4705 0714000033	In the cities of Monrovia, Duarte, Irwindale and Azusa, from Myrtle Avenue to Azusa Avenue. Stabilize soil and erosion control.	30170 2019-20	R/W: $30 Const: $3,662	PA&ED: $144 PS&E: $1,175 R/W Sup: $30 Con Sup: $1,054	Prior Prior Prior 19-20	PA&ED: 3/1/2018 R/W Cert: 9/16/2019 RTL: 10/1/2019 Begin Con: 4/6/2020
			Subtotal: $3,692	$2,403		
			Total Project Cost:	**$6,095**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 18.3 Acre(s) treated/pollutant			
07-Los Angeles-210 R36.0/R40.6 5009 0716000061	In and near Azusa, from 0.1 mile east of Highland Avenue Undercrossing to S. Citrus Avenue Overcrossing. Construct and install stormwater treatment Best Management Practices (BMPs) including biofiltration swales and Austin Vault Sand Filters.	32310 2021-22	R/W: $37 Const: $10,045	PA&ED: $1,890 PS&E: $2,836 R/W Sup: $189 Con Sup: $3,098	18-19 19-20 19-20 21-22	PA&ED: 12/30/2019 R/W Cert: 8/5/2021 RTL: 9/30/2021 Begin Con: 4/15/2022
			Subtotal: $10,082	$8,013		
			Total Project Cost:	**$18,095**		
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 40 Acre(s) treated/pollutant			
07-Los Angeles-210 R41.3/R44.6 5005 0716000057	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 2021-22	R/W: $61 Const: $7,149	PA&ED: $1,575 PS&E: $2,729 R/W Sup: $242 Con Sup: $2,730	18-19 19-20 19-20 21-22	PA&ED: 1/30/2020 R/W Cert: 9/6/2021 RTL: 10/29/2021 Begin Con: 5/16/2022
			Subtotal: $7,210	$7,276		
			Total Project Cost:	**$14,486**		
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 42.2 Acre(s) treated/pollutant			

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07-Los Angeles-210 R44.7/R52.1 5068 0716000178	In and near La Verne, at various locations from 0.4 mile east of S Lone Hill Avenue Undercrossing to 0.2 mile west of Base Line Road Overcrossing. Construct stormwater treatment Best Management Practices (BMPs) including Gross Solids Removal Devices (GSRDs), biofiltration swales/strips and infiltration trenches.	32850 2021-22	R/W: $69 Const: $7,490 Subtotal: $7,559 **Total Project Cost:**	PA&ED: $1,900 PS&E: $2,601 R/W Sup: $160 Con Sup: $2,800 $7,461 **$15,020**	18-19 19-20 19-20 21-22	PA&ED: 11/29/2019 R/W Cert: 7/5/2021 RTL: 8/30/2021 Begin Con: 3/15/2022
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 43.5 Acre(s) treated/pollutant			
07-Los Angeles-405 40.1/48.6 4978 0716000031	In the cities of Los Angeles, Van Nuys, and San Fernando, from Burbank Boulevard to Route 5/405 Separation. Plant vegetation, install irrigation, concrete paving, rock blankets and mats.	32020 2020-21	R/W: $30 Const: $3,900 Subtotal: $3,930 **Total Project Cost:**	PA&ED: $610 PS&E: $1,590 R/W Sup: $30 Con Sup: $1,122 $3,352 **$7,282**	18-19 19-20 20-21 20-21	PA&ED: 7/30/2019 R/W Cert: 11/30/2020 RTL: 1/15/2021 Begin Con: 8/15/2021
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 41 Acre(s) treated/pollutant			
07-Los Angeles-605 R0.0/R9.6 4997 0716000048	In the cities of Los Alamitos, Cerritos, Lakewood, Bellflower and Norwalk, from Orange County line to Route 5. Construct stormwater treatment Best Management Practices (BMPs) including biofiltration swales/strips, detention basin, Maintenance Vehicle Pullouts (MVPs) and install infiltration devices.	32150 2021-22	R/W: $20 Const: $15,050 Subtotal: $15,070 **Total Project Cost:**	PA&ED: $1,450 PS&E: $3,255 R/W Sup: $25 Con Sup: $3,556 $8,286 **$23,356**	18-19 20-21 20-21 21-22	PA&ED: 9/1/2020 R/W Cert: 12/30/2021 RTL: 1/31/2022 Begin Con: 8/31/2022
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 70.6 Acre(s) treated/pollutant			
07-Los Angeles-605 R9.6/R15.7 5212 0716000393	In and near Santa Fe Springs, from Santa Ana Freeway Undercrossing to 0.1 mile north of Rose Hills Road Overcrossing. Install stormwater treatment Best Management Practices (BMPs).	33610 2021-22	R/W: $72 Const: $8,633 Subtotal: $8,705 **Total Project Cost:**	PA&ED: $1,593 PS&E: $3,402 R/W Sup: $202 Con Sup: $2,969 $8,166 **$16,871**	18-19 19-20 19-20 21-22	PA&ED: 2/27/2020 R/W Cert: 10/5/2021 RTL: 11/30/2021 Begin Con: 6/15/2022
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 39.9 Acre(s) treated/pollutant			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-605 R16.5/R19.5 5234 0717000143	Near El Monte, at various locations, from 0.1 mile south of Peck Road Overcrossing to 0.1 mile north of Valley Boulevard Undercrossing. Construct and install stormwater treatment Best Management Practices (BMPs) including biofiltration swales/strips, linear radial Gross Solids Removal Devices (GSRDs), infiltration basins and an Austin Vault Sand Filter.	33930 2021-22	R/W: $96 Const: $12,901 Subtotal: $12,997	PA&ED: $1,500 PS&E: $4,550 R/W Sup: $202 Con Sup: $3,320 $9,572	18-19 19-20 19-20 21-22	PA&ED: 3/30/2020 R/W Cert: 11/5/2021 RTL: 12/30/2021 Begin Con: 8/15/2022
New			**Total Project Cost:**	**$22,569**		
			Program Code	201.335 Storm Water Mitigation		
			Performance Measure	54.8 Acre(s) treated/pollutant		
07-Los Angeles-605 R20.0/R26.0 5236 0717000144	Near El Monte, from 0.2 mile south of Route 10 to 0.2 mile north of Route 210. Construct and install stormwater treatment Best Management Practices (BMPs) including biofiltration swales/strips, Gross Solids Removal Devices (GSRDs) and a Design Pollution Prevention Infiltration Area.	33940 2021-22	R/W: $89 Const: $15,187 Subtotal: $15,276	PA&ED: $1,576 PS&E: $3,971 R/W Sup: $237 Con Sup: $4,308 $10,092	18-19 19-20 19-20 21-22	PA&ED: 4/30/2020 R/W Cert: 12/6/2021 RTL: 1/31/2022 Begin Con: 8/15/2022
New			**Total Project Cost:**	**$25,368**		
			Program Code	201.335 Storm Water Mitigation		
			Performance Measure	52.2 Acre(s) treated/pollutant		
07-Los Angeles-710 23.3/25.6 4717 0714000061	In East Los Angeles, from Route 5 to north of Floral Drive; also on Route 60 (PM R2.9/R3.8), from west of Marina Avenue Pedestrian Overcrossing to Mednick Avenue. Stabilize soil and erosion control.	30440 2018-19	R/W: $30 Const: $3,425 Subtotal: $3,455	PA&ED: $54 PS&E: $910 R/W Sup: $63 Con Sup: $1,138 $2,165	Prior Prior Prior 18-19	PA&ED: 6/30/2017 R/W Cert: 7/9/2018 RTL: 8/1/2018 Begin Con: 2/8/2019
Carryover			**Total Project Cost:**	**$5,620**		
			Program Code	201.335 Storm Water Mitigation		
			Performance Measure	46.4 Acre(s) treated/pollutant		
07-Los Angeles-710 24.4/26.7 5089 0716000252	In the city of Los Angeles, from 3rd Street to Route 10 Interchange. Install irrigation systems and plant vegetation to stabilize soil.	33180 2021-22	R/W: $16 Const: $3,420 Subtotal: $3,436	PA&ED: $600 PS&E: $1,250 R/W Sup: $50 Con Sup: $1,250 $3,150	18-19 20-21 20-21 21-22	PA&ED: 5/12/2020 R/W Cert: 9/21/2021 RTL: 11/23/2021 Begin Con: 5/6/2022
New			**Total Project Cost:**	**$6,586**		
			Program Code	201.335 Storm Water Mitigation		
			Performance Measure	34.2 Acre(s) treated/pollutant		

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07-Los Angeles-66 0.0/3.2 4744 0714000177	In La Verne and Pomona, from Baseline Road to Towne Avenue. Construct and upgrade curb ramps and sidewalks to comply with Americans with Disabilities Act (ADA) Standards.	30650 2018-19	R/W: Const:	$700 $2,900	PA&ED: PS&E: R/W Sup: Con Sup:	$753 $2,500 $300 $2,000	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2018 3/12/2019 4/12/2019 9/24/2019
			Subtotal:	$3,600		$5,553			
			Total Project Cost:			**$9,153**			
Carryover			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	67 Curb ramp(s)					
07-Los Angeles-72 0.0/6.8 5158 0716000299	In Whittier, from Valley Home Avenue to Esperanza Avenue. Construct and upgrade curb ramps, sidewalks, driveways, pedestrian pathways, Class III bikeway lanes, Accessible Pedestrian Signals (APS) and push buttons to meet current Americans with Disabilities Act (ADA) Standards.	33310 2021-22	R/W: Const:	$1,000 $5,781	PA&ED: PS&E: R/W Sup: Con Sup:	$900 $4,000 $4,600 $2,200	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	2/28/2020 3/2/2022 3/17/2022 11/7/2022
			Subtotal:	$6,781		$11,700			
			Total Project Cost:			**$18,481**			
New			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	170 Curb ramp(s)					
07-Los Angeles-107 0.0/4.8 4749 0714000198	In Torrance, from Route 1 to Redondo Beach Boulevard. Construct curb ramps and reconstruct driveways/sidewalks to meet Americans with Disabilities Act (ADA) Standards.	30700 2018-19	R/W: Const:	$1,055 $4,546	PA&ED: PS&E: R/W Sup: Con Sup:	$961 $2,553 $1,223 $2,508	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	2/8/2018 2/15/2019 3/19/2019 10/1/2019
			Subtotal:	$5,601		$7,245			
			Total Project Cost:			**$12,846**			
Carryover			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	107 Curb ramp(s)					
07-Los Angeles-138 43.4/51.4 5185 0716000316	In Palmdale, from Route 14 Junction (South) to Avenue T. Upgrade curb ramps, traffic signals and sidewalks to meet current standards.	33370 2021-22	R/W: Const:	$703 $8,385	PA&ED: PS&E: R/W Sup: Con Sup:	$695 $3,795 $1,401 $3,225	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	12/20/2019 12/20/2021 2/18/2022 10/4/2022
			Subtotal:	$9,088		$9,116			
			Total Project Cost:			**$18,204**			
New			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	66 Curb ramp(s)					

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07-Los Angeles-164 1.4/6.9 4982 0716000042	In the cities of Wittier, South Monte and Rosemead, from Gallatin Road to Rudell Underpass. Upgrade curb ramps, sidewalks and pathways to meet current Americans with Disabilities Act (ADA) Standards.	32080 2021-22	R/W: Const:	$952 $5,803	PA&ED: PS&E: R/W Sup: Con Sup:	$1,034 $3,150 $916 $2,714	18-19 19-20 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	9/25/2019 9/29/2021 10/28/2021 4/25/2022
			Subtotal:	$6,755		$7,814			
			Total Project Cost:			**$14,569**			
New			**Program Code**		201.361 Americans with Disabilities Act New Curb Ramps				
			Performance Measure		76 Curb ramp(s)				
07-Los Angeles-210 R9.7/R51.9 4985 0716000119	In La Crescenta and La Canada Flintridge, from west of Sunland Boulevard to Baseline Road, near the San Bernardino County line. Reconstruct curb ramps to meet Americans with Disabilities Act (ADA) Standards, install Accessible Pedestrian Signals (APS), relocate pull boxes and traffic signal poles.	32680 2021-22	R/W: Const:	$4,098 $4,480	PA&ED: PS&E: R/W Sup: Con Sup:	$1,400 $7,000 $2,450 $7,000	18-19 21-22 21-22 21-22	PA&ED: R/W Cert: RTL: Begin Con:	12/1/2019 7/30/2021 8/30/2021 3/1/2022
			Subtotal:	$8,578		$17,850			
			Total Project Cost:			**$26,428**			
New			**Program Code**		201.361 Americans with Disabilities Act New Curb Ramps				
			Performance Measure		264 Curb ramp(s)				
07-Los Angeles-213 0.0/8.0 4743 0714000178	In the cities of Rancho Palos Verdes, Lomita and Los Angeles, from W 25th Street to W Carson Street at various locations. Upgrade curb ramps, sidewalks and driveways to meet Americans with Disabilities Act (ADA) Standards.	30660 2018-19	R/W: Const:	$2,300 $4,500	PA&ED: PS&E: R/W Sup: Con Sup:	$1,087 $3,500 $750 $3,500	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2018 2/15/2019 3/8/2019 9/20/2019
			Subtotal:	$6,800		$8,837			
			Total Project Cost:			**$15,637**			
Carryover			**Program Code**		201.361 Americans with Disabilities Act New Curb Ramps				
			Performance Measure		188 Curb ramp(s)				
BRIDGE PRESERVATION									
07-Los Angeles-1 56.5/56.9 4498 0712000094	In Malibu, from Guernsey Avenue to Trancas Canyon Road/Broad Beach Road. Replace bridge.	29140 2018-19	R/W: Const:	$30,000 $11,628	PA&ED: PS&E: R/W Sup: Con Sup:	$2,342 $2,123 $740 $3,100	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/30/2017 10/15/2018 6/28/2019 1/15/2020
			Subtotal:	$41,628		$8,305			
			Total Project Cost:			**$49,933**			
Carryover			**Program Code**		201.110 Bridge Major Rehabilitation				
			Performance Measure		1 Bridge(s)				

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
07-Los Angeles-10S 28.3 4902 0715000220	In El Monte, at Rio Hondo Busway Bridge No. 53-2637. Replace bridge deck.	31680 2019-20	R/W: Const:	$15 $2,553	PA&ED: PS&E: R/W Sup: Con Sup:	$550 $1,346 $27 $1,627	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/28/2018 11/27/2019 12/30/2019 7/10/2020
			Subtotal:	$2,568		$3,550			
			Total Project Cost:			**$6,118**			
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)						
07-Los Angeles-91 R11.8 4967 0716000017	In Long Beach, at the eastbound Route 91 to northbound Route 710 Connector Bridge No. 53-2241G over connector from northbound Route 710 to eastbound Route 91. Lower profile of connector to achieve standard vertical clearance	31910 2020-21	R/W: Const:	$40 $3,230	PA&ED: PS&E: R/W Sup: Con Sup:	$910 $2,468 $43 $2,073	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	10/15/2019 2/15/2021 3/15/2021 4/15/2022
			Subtotal:	$3,270		$5,494			
			Total Project Cost:			**$8,764**			
New			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)						
07-Los Angeles-101 20.0 4915 0715000277	Near Encino, at Encino Pedestrian Overcrossing. Replace pedestrian overcrossing.	31790 2018-19	R/W: Const:	$1,067 $6,685	PA&ED: PS&E: R/W Sup: Con Sup:	$1,033 $3,205 $500 $1,361	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	3/26/2018 2/21/2019 3/21/2019 9/19/2019
			Subtotal:	$7,752		$6,099			
			Total Project Cost:			**$13,851**			
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)						
07-Los Angeles-103 0.1 5004 0716000056	In the city of Los Angeles, at the Union Pacific Overhead No. 53-2626. Replace the bridge deck with composite reinforced concrete.	32250 2021-22	R/W: Const:	$1,730 $12,478	PA&ED: PS&E: R/W Sup: Con Sup:	$669 $3,482 $376 $4,228	18-19 19-20 18-19 21-22	PA&ED: R/W Cert: RTL: Begin Con:	11/12/2019 12/31/2021 1/30/2022 8/28/2022
			Subtotal:	$14,208		$8,755			
			Total Project Cost:			**$22,963**			
New			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)						

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07-Los Angeles-210 R36.8 5026 0716000082	In Irwindale, on the San Gabriel River Bridge No. 53-1867. Reconstruct hinge diaphragms at hinge 4 and hinge 6, upgrade bridge railing and reinstall electroliers.	32520 2020-21	R/W: $596 Const: $18,697	PA&ED: $1,061 PS&E: $3,665 R/W Sup: $444 Con Sup: $4,244	18-19 19-20 19-20 20-21	PA&ED: 10/4/2019 R/W Cert: 11/6/2020 RTL: 1/6/2021 Begin Con: 10/28/2021
			Subtotal: $19,293	$9,414		
			Total Project Cost:	**$28,707**		
New			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
07-Los Angeles-39 R31.2 5298 0718000018	Near Azusa, at the North Fork San Gabriel River Bridge No. 53-2245. Replace bridge.	34340 2018-19	R/W: $10 Const: $11,742	PA&ED: PS&E: $1,930 R/W Sup: $20 Con Sup: $4,476	 18-19 18-19 18-19	PA&ED: 9/20/2017 R/W Cert: 9/3/2018 RTL: 11/1/2018 Begin Con: 8/1/2019
			Subtotal: $11,752	$6,426		
			Total Project Cost:	**$18,178**		
New			**Program Code** 201.111 Bridge Scour Mitigation **Performance Measure** 1 Bridge(s)			
07-Los Angeles-405 0.0 4984 0716000044	In Long Beach, at the San Gabriel River Bridge No. 53-1185 and SB LA-605 to NB I-405 connector Bridge No. 53-1737H; also in Orange County on I-405 at the SB 405 to NB 605 connector Bridge No. 55-0413F; 12-Ora-405-PM 24.1. Retrofit scour critical bridges to preserve the structural integrity of the bridges by enlarging and deepening pile cap, adding Cast in Drilled Hole (CIDH) piles and reinforcing the area with Rock Slope Protection (RSP).	32100 2021-22	R/W: $254 Const: $15,831	PA&ED: $2,140 PS&E: $6,840 R/W Sup: $300 Con Sup: $5,840	Prior 19-20 19-20 21-22	PA&ED: 9/15/2019 R/W Cert: 2/16/2022 RTL: 3/20/2022 Begin Con: 11/4/2022
			Subtotal: $16,085	$15,120		
			Total Project Cost:	**$31,205**		
Carryover			**Program Code** 201.111 Bridge Scour Mitigation **Performance Measure** 3 Bridge(s)			
07-Los Angeles-110 22.8 5002 0716000054	In the city of Los Angeles, at the 5th Street Overcrossing No. 53-0685 and 6th Street Overcrossing No. 53-0746. Upgrade bridge railing.	32230 2020-21	R/W: $30 Const: $3,520	PA&ED: $465 PS&E: $1,673 R/W Sup: $30 Con Sup: $1,632	18-19 19-20 19-20 20-21	PA&ED: 2/21/2019 R/W Cert: 7/15/2020 RTL: 8/26/2020 Begin Con: 4/1/2021
			Subtotal: $3,550	$3,800		
			Total Project Cost:	**$7,350**		
New			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 1565.0 Linear feet			

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07-Los Angeles-134 R12.6 5003 0716000055	In Pasadena, at the Arroyo Seco Bridge No. 53 -0166. Replace/upgrade bridge railing.	32240 2021-22	R/W: Const:	$2,530 $5,420	PA&ED: PS&E: R/W Sup: Con Sup:	$1,300 $2,500 $200 $2,860	18-19 21-22 21-22 21-22	PA&ED: R/W Cert: RTL: Begin Con:	9/20/2019 7/15/2021 12/30/2021 2/26/2022
			Subtotal:	$7,950		$6,860			
			Total Project Cost:			**$14,810**			
New			**Program Code**	201.112 Bridge Rail Replacement and Upgrade					
			Performance Measure	3434.0 Linear feet					
07-Los Angeles-5 R87.4 5032 0716000091	Near Kern County line, at the Tejon Pass Overcrossing No. 53-1779. Seismic retrofit of bridge, widen bridge abutments, add steel casing to bent columns, retrofit bent foundation and install micro piles.	32590 2021-22	R/W: Const:	$50 $1,800	PA&ED: PS&E: R/W Sup: Con Sup:	$700 $1,500 $400 $1,500	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2019 6/15/2021 7/15/2021 1/5/2022
			Subtotal:	$1,850		$4,100			
			Total Project Cost:			**$5,950**			
New			**Program Code**	201.113 Bridge Seismic Restoration					
			Performance Measure	1 Bridge(s)					
07-Los Angeles-91 R10.2/R10.4 4704 0714000024	In Compton, at Compton Creek Bridge Overhead and offramp No. 53-2235 and No. 53 -2237S and Artesia-Santa Fe Undercrossing No. 53-2238K; also in Long Beach, on Routes 710 and 110, at Harbor Scenic Drive Overhead No. 53-2934 (PM 6.0) and Gaffy Street Bridge No. 53-0397Y (PM R0.8). Bridge seismic retrofit and bridge rail upgrade.	30160 2019-20	R/W: Const:	$50 $10,712	PA&ED: PS&E: R/W Sup: Con Sup:	$2,260 $3,500 $150 $3,500	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	8/30/2018 2/28/2020 3/30/2020 12/30/2020
			Subtotal:	$10,762		$9,410			
			Total Project Cost:			**$20,172**			
Carryover			**Program Code**	201.113 Bridge Seismic Restoration					
			Performance Measure	5 Bridge(s)					
07-Los Angeles-134 R13.1 4591 0712000096	In Pasadena, at Orange Grove Boulevard-E134/134 Overcrossing No. 53-2269S; also on Route 710, at Union Street Overcrossing No. 53 -2537 (PM R32.5). Bridge seismic retrofit and bridge rail upgrade.	29180 2018-19	R/W: Const:	$20 $5,360	PA&ED: PS&E: R/W Sup: Con Sup:	 $2,400 $63 $2,000	 Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	7/3/2017 7/31/2018 11/2/2018 12/27/2019
			Subtotal:	$5,380		$4,463			
			Total Project Cost:			**$9,843**			
Carryover			**Program Code**	201.113 Bridge Seismic Restoration					
			Performance Measure	2 Bridge(s)					

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07-Los Angeles-138 70.3 5035 0716000113	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 2021-22	R/W: $101 Const: $19,329	PA&ED: $1,372 PS&E: $4,549 R/W Sup: $488 Con Sup: $5,686	18-19 19-20 19-20 21-22	PA&ED: 8/1/2019 R/W Cert: 8/7/2021 RTL: 10/3/2021 Begin Con: 6/10/2022
			Subtotal: $19,430	$12,095		
			Total Project Cost:	**$31,525**		
New			**Program Code** 201.113 Bridge Seismic Restoration **Performance Measure** 3 Bridge(s)			
07-Los Angeles-210 R38.6/R38.9 4788 0714000281	In Los Angeles County, on Routes 210, 405 and 605 at various locations. Bridge seismic retrofit and bridge rail upgrade at five locations.	30930 2019-20	R/W: $130 Const: $6,395	PA&ED: $225 PS&E: $1,137 R/W Sup: $20 Con Sup: $1,600	Prior Prior Prior 19-20	PA&ED: 9/22/2017 R/W Cert: 8/30/2019 RTL: 11/19/2019 Begin Con: 4/10/2020
			Subtotal: $6,525	$2,982		
			Total Project Cost:	**$9,507**		
Carryover			**Program Code** 201.113 Bridge Seismic Restoration **Performance Measure** 5 Bridge(s)			
07-Los Angeles-1 9.9 4729 0714000102	In the city of Los Angeles, at Wilmington Overhead No. 53-0352. Paint and repair bridge deck.	30560 2019-20	R/W: $245 Const: $3,883	PA&ED: $305 PS&E: $1,237 R/W Sup: $203 Con Sup: $826	Prior 18-19 18-19 19-20	PA&ED: 7/11/2018 R/W Cert: 2/14/2020 RTL: 3/24/2020 Begin Con: 5/4/2020
			Subtotal: $4,128	$2,571		
			Total Project Cost:	**$6,699**		
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 1 Bridge(s)			
07-Los Angeles-5 34.6 4853 0715000116	In the city of Los Angeles, at Sun Valley Overhead No. 53-1134. Paint bridge and replace deck drain systems.	31420 2019-20	R/W: $49 Const: $7,200	PA&ED: $500 PS&E: $1,200 R/W Sup: $200 Con Sup: $1,800	Prior Prior Prior 19-20	PA&ED: 10/31/2017 R/W Cert: 7/10/2019 RTL: 8/20/2019 Begin Con: 1/17/2020
			Subtotal: $7,249	$3,700		
			Total Project Cost:	**$10,949**		
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 1 Bridge(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-10 28.2/31.0 5067 0716000175	In the city of El Monte, from Baldwin Avenue Overcrossing to Route 605 at Rio Hondo Bridge No. 53-657, East El Monte Overhead No. 53 -0867 and San Gabriel River Bridge No. 53 -109L/R. Replace overhang joints with reinforced concrete closure pours.	32830 2021-22	R/W: $1,262 Const: $8,140 Subtotal: $9,402	PA&ED: $813 PS&E: $3,927 R/W Sup: $915 Con Sup: $3,526 $9,181	18-19 19-20 19-20 21-22	PA&ED: 10/1/2019 R/W Cert: 1/3/2022 RTL: 2/1/2022 Begin Con: 9/25/2022
			Total Project Cost:	**$18,583**		
New			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 3 Bridge(s)			
07-Los Angeles-10 29.4 5070 0716000182	In El Monte, at Peck Road Undercrossing No. 53-0661. Paint steel portion of bridge for preventative maintenance to preserve and extend the life of bridge.	32870 2021-22	R/W: $10 Const: $1,632 Subtotal: $1,642	PA&ED: $141 PS&E: $550 R/W Sup: $25 Con Sup: $522 $1,238	Prior 19-20 19-20 21-22	PA&ED: 6/1/2019 R/W Cert: 1/12/2022 RTL: 2/17/2022 Begin Con: 9/23/2022
			Total Project Cost:	**$2,880**		
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 1 Bridge(s)			
07-Los Angeles-105 R14.6/R16.4 5069 0716000180	In the city of South Gate, at Paramount Boulevard Overcrossing No. 53-2425; also in the city of Downey, at Ardis Avenue Overcrossing No. 53-2572. Remove and install new joint assemblies, apply waterproof coating, replace joint seals and apply methacrylate to Ardis Avenue Overcrossing deck.	32860 2020-21	R/W: $27 Const: $1,340 Subtotal: $1,367	PA&ED: $259 PS&E: $891 R/W Sup: $26 Con Sup: $1,022 $2,198	18-19 19-20 19-20 20-21	PA&ED: 8/1/2019 R/W Cert: 10/1/2020 RTL: 12/1/2020 Begin Con: 7/30/2021
			Total Project Cost:	**$3,565**		
New			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 2 Bridge(s)			
07-Los Angeles-405 8.8 4721 0714000084	In Carson, at Dolores Yard Overhead No. 53 -1168. Upgrade bridge drainage system.	30480 2019-20	R/W: $395 Const: $1,574 Subtotal: $1,969	PA&ED: $301 PS&E: $525 R/W Sup: $203 Con Sup: $351 $1,380	Prior 18-19 18-19 19-20	PA&ED: 7/18/2018 R/W Cert: 2/14/2020 RTL: 3/30/2020 Begin Con: 1/6/2020
			Total Project Cost:	**$3,349**		
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 1 Bridge(s)			

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07-Los Angeles-5 27.0/66.5 5281 0717000244	In Los Angeles County, at various locations. Establish standard vertical clearance. ACCELERATED BRIDGE (PA&ED Only)	34210 2019-20	* R/W: $152,980 * Const: $221,390	PA&ED: $15,640 * PS&E: $41,760 * R/W Sup: $10,980 * Con Sup: $61,790	Prior 19-20 19-20 19-20	PA&ED: 4/18/2019 R/W Cert: 2/28/2020 RTL: 3/30/2020 Begin Con: 10/30/2020
			Subtotal: $374,370	$130,170		
			Total Project Cost:	**$504,540**		
			** Const, * R/W, * PS&E, * R/W Sup, * Con Sup phase(s) are NOT authorized*			
Carryover			**Program Code** 201.322 Trans Permit Requirements for Bridges **Performance Measure** 12 Bridge(s)			
07-Los Angeles-10 R13.3 4966 0716000016	In the city of Los Angeles, at the Normandie Avenue Undercrossing Bridge No. 53-1565. Strengthen girders with epoxy and reinforcement steel.	31900 2021-22	R/W: $22 Const: $2,253	PA&ED: $508 PS&E: $1,493 R/W Sup: $5 Con Sup: $1,188	18-19 20-21 20-21 21-22	PA&ED: 7/15/2020 R/W Cert: 9/22/2021 RTL: 10/21/2021 Begin Con: 5/22/2022
			Subtotal: $2,275	$3,194		
			Total Project Cost:	**$5,469**		
New			**Program Code** 201.322 Trans Permit Requirements for Bridges **Performance Measure** 1 Bridge(s)			
07-Los Angeles-60 15.9/19.5 5297 0718000009	In the City of Industry at Hacienda Boulevard Undercrossing (UC) No. 53-1789 (PM 15.93), Stemson Avenue UC No. 53-1784 (PM 16.30), Azusa Avenue Overcrossing No. 53-1785 (PM 17.97) and Fullerton Road UC No. 53-1786 (PM 19.46). Improve freight corridor movement by modifying and replacing bridges to meet vertical clearance and load carrying capacity standards. ACCELERATED BRIDGE (PA&ED Only)	34330 2020-21	* R/W: $1,000 * Const: $37,600	PA&ED: $3,320 * PS&E: $3,984 * R/W Sup: $500 * Con Sup: $8,466	Prior 20-21 20-21 20-21	PA&ED: 10/31/2019 R/W Cert: 5/29/2020 RTL: 6/30/2020 Begin Con: 7/30/2021
			Subtotal: $38,600	$16,270		
			Total Project Cost:	**$54,870**		
			** Const, * R/W, * PS&E, * R/W Sup, * Con Sup phase(s) are NOT authorized*			
Carryover			**Program Code** 201.322 Trans Permit Requirements for Bridges **Performance Measure** 4 Bridge(s)			
ROADWAY PRESERVATION						
07-Los Angeles-10 31.2/37.2 4712 0714000044	In Baldwin Park and West Covina, from Route 605 to Citrus Avenue. Rehabilitate roadway. (G13 Contingency)	30390 2019-20	R/W: $147 * Const: $60,496	PA&ED: $990 PS&E: $8,385 R/W Sup: $23 * Con Sup: $8,444	Prior 18-19 18-19 19-20	PA&ED: 2/14/2018 R/W Cert: 8/30/2019 RTL: 11/19/2019 Begin Con: 5/7/2020
			Subtotal: $60,643	$17,842		
			Total Project Cost:	**$78,485**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 50.4 Lane mile(s)			

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07-Los Angeles-1 0.0/19.0 4998 0716000049	In and near Redondo Beach, from Orange County line to south of Topaz Street. Upgrade Americans with Disabilities Act (ADA) curb ramps, upgrade metal beam guardrail, cold plane pavement, and place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt (RHMA) pavement to rehabilitate pavement.	32160 2021-22	R/W: $1,554 Const: $38,220 Subtotal: $39,774	PA&ED: $1,680 PS&E: $4,886 R/W Sup: $920 Con Sup: $7,684 $15,170	Prior 18-19 18-19 21-22	PA&ED: 12/15/2018 R/W Cert: 2/26/2022 RTL: 3/30/2022 Begin Con: 11/6/2022
			Total Project Cost:	**$54,944**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 99.4 Lane mile(s)			
07-Los Angeles-1 19.0/33.3 5034 0716000090	In and near Redondo Beach, from Topaz Street to Dewey Street. Upgrade Americans with Disabilities Act (ADA) curb ramps and metal beam guardrail, repair concrete pavement, replace asphalt concrete pavement with Portland Cement Concrete (PCC) at intersections, cold plane pavement, and place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt (RHMA) pavement to rehabilitate pavement.	32580 2021-22	R/W: $1,900 Const: $45,900 Subtotal: $47,800	PA&ED: $1,960 PS&E: $6,770 R/W Sup: $780 Con Sup: $8,770 $18,280	Prior 18-19 18-19 21-22	PA&ED: 12/15/2018 R/W Cert: 2/26/2022 RTL: 3/30/2022 Begin Con: 12/1/2022
			Total Project Cost:	**$66,080**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 104.9 Lane mile(s)			
07-Los Angeles-2 2.3/14.2 5184 0716000313	In and near the city of Los Angeles, from Centinela Avenue to Cotner Avenue, North La Brea Avenue to North Oxford Avenue and North Hollywood Boulevard to Allesandro Street. Cold plane and overlay pavement, upgrade curb ramps, reconstruct curb and gutter, construct bus pads and replace traffic signals at several locations.	33360 2021-22	R/W: $38 Const: $19,810 Subtotal: $19,848	PA&ED: $1,900 PS&E: $5,000 R/W Sup: $160 Con Sup: $5,000 $12,060	18-19 20-21 20-21 21-22	PA&ED: 7/1/2020 R/W Cert: 1/5/2022 RTL: 3/1/2022 Begin Con: 12/1/2022
			Total Project Cost:	**$31,908**		
New			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 17.6 Lane mile(s)			
07-Los Angeles-5 R59.7/R73.7 5013 0716000064	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 concrete (RHMA), repair drainage systems, and perform upgrades to overhead signs, drainage curbs and guardrail.	32340 2020-21	R/W: $250 Const: $43,080 Subtotal: $43,330	PA&ED: $100 PS&E: $6,000 R/W Sup: $250 Con Sup: $7,200 $13,550	Prior 19-20 19-20 20-21	PA&ED: 10/30/2019 R/W Cert: 12/30/2020 RTL: 1/29/2021 Begin Con: 4/1/2021
			Total Project Cost:	**$56,880**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 112.0 Lane mile(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-22 0.0/1.5 5022 0716000077	In Long Beach, from Route 1 to San Gabriel Undercrossing. Cold plane pavement and overlay with Rubberized Hot Mixed Asphalt - Type G (RHMA-G), upgrade curb ramps to current Americans with Disabilities Act (ADA) Standards, install guardrail and construct bus pads.	32440 2020-21	R/W: $126 Const: $4,376 Subtotal: $4,502	PA&ED: $670 PS&E: $2,523 R/W Sup: $12 Con Sup: $1,967 $5,172	18-19 19-20 19-20 20-21	PA&ED: 9/15/2019 R/W Cert: 11/5/2020 RTL: 12/15/2020 Begin Con: 9/5/2021
			Total Project Cost:	**$9,674**		
New			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 7.4 Lane mile(s)			
07-Los Angeles-27 0.0/4.7 5007 0716000059	In and near Canoga Park, from Pacific Coast Highway to Entrada Road; also near Woodland Crest Drive to near Devonshire Street (PM 10.11/18.62). Cold plane and overlay asphalt pavement, repair damaged structural and upgrade curb ramps to meet Americans with Disabilities Act (ADA) Standards.	32290 2021-22	R/W: $499 Const: $30,550 Subtotal: $31,049	PA&ED: $1,593 PS&E: $4,405 R/W Sup: $576 Con Sup: $5,540 $12,114	18-19 20-21 20-21 21-22	PA&ED: 3/28/2020 R/W Cert: 9/21/2021 RTL: 10/21/2021 Begin Con: 7/1/2022
			Total Project Cost:	**$43,163**		
New			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 53.5 Lane mile(s)			
07-Los Angeles-101 11.8/35.3 4770 0714000217	In the cities of Los Angeles, Calabasas and Agoura Hills, from Route 170 to Kanan Road. Rehabilitate pavement, construct and upgrade Americans with Disabilities Act (ADA) curb ramps.	30750 2019-20	R/W: $2,389 Const: $9,995 Subtotal: $12,384	PA&ED: $370 PS&E: $2,224 R/W Sup: $124 Con Sup: $1,607 $4,325	Prior Prior Prior 19-20	PA&ED: 3/26/2018 R/W Cert: 12/19/2019 RTL: 3/19/2020 Begin Con: 8/20/2020
			Total Project Cost:	**$16,709**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 0.1 Lane mile(s)			
07-Los Angeles-107 0.0/4.8 4818 0715000014	In Torrance, from Route 1 to Redondo Beach Boulevard. Pavement rehabilitation.	31180 2018-19	R/W: Const: $10,900 Subtotal: $10,900	PA&ED: $137 PS&E: $1,289 R/W Sup: $100 Con Sup: $1,744 $3,270	Prior Prior Prior 18-19	PA&ED: 10/11/2016 R/W Cert: 2/15/2019 RTL: 3/19/2019 Begin Con: 10/1/2019
			Total Project Cost:	**$14,170**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 36.2 Lane mile(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-134 0.0/R13.3 4817 0715000013	In the cities of Los Angeles, Burbank, Glendale and Pasadena, from Route 170 to Route 210. Rehabilitate pavement, upgrade guardrail and Americans with Disabilities Act (ADA) curb ramps to current standards.	31170 2018-19	R/W: $376 Const: $34,034	PA&ED: $973 PS&E: $3,800 R/W Sup: $254 Con Sup: $5,735	Prior Prior Prior 18-19	PA&ED: 12/15/2017 R/W Cert: 10/3/2018 RTL: 12/28/2018 Begin Con: 5/23/2019
			Subtotal: $34,410	$10,762		
			Total Project Cost:	**$45,172**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 112.0 Lane mile(s)			
07-Los Angeles-138 0.0/36.9 4804 0715000001	Near Gorman and Lancaster, from Route 5 to Route 14. Rehabilitate pavement.	31040 2018-19	R/W: $128 Const: $21,879	PA&ED: $510 PS&E: $1,810 R/W Sup: $22 Con Sup: $2,115	Prior Prior Prior 18-19	PA&ED: 2/10/2017 R/W Cert: 10/12/2018 RTL: 12/14/2018 Begin Con: 12/10/2020
			Subtotal: $22,007	$4,457		
			Total Project Cost:	**$26,464**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 77.0 Lane mile(s)			
07-Los Angeles-605 20.2/26.0 5029 0716000085	In the cities of Irwindale and Baldwin Park, from Route 10 Interchange to the end of the freeway at Route 210. Grind mainline pavement and replace damaged stabs with Jointed Plain Concrete Pavement (JPCP) rapid strength concrete and/or Individual Precast Slab Replacement (IPSR), cold plane and overlay median, shoulders, ramps with Hot Mix Asphalt (HMA), construct additional lane on southbound Arrow Highway offramp/modify signal, install and upgrade guardrail.	32550 2021-22	R/W: $2,721 Const: $16,410	PA&ED: $1,375 PS&E: $6,856 R/W Sup: $138 Con Sup: $6,242	Prior 19-20 19-20 21-22	PA&ED: 12/1/2018 R/W Cert: 8/9/2021 RTL: 11/8/2021 Begin Con: 9/6/2022
			Subtotal: $19,131	$14,611		
			Total Project Cost:	**$33,742**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 39.5 Lane mile(s)			
07-Los Angeles-5 39.2/R43.8 4805 0714000300	In San Fernando, from Route 118 to Route 210. Rehabilitate roadway. (G13 Contingency)	30970 2019-20	R/W: $120 * Const: $41,600	PA&ED: $1,013 PS&E: $5,710 R/W Sup: $150 * Con Sup: $7,421	Prior Prior Prior 19-20	PA&ED: 8/1/2018 R/W Cert: 9/27/2019 RTL: 11/27/2019 Begin Con: 6/10/2020
			Subtotal: $41,720	$14,294		
			Total Project Cost:	**$56,014**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 46.5 Lane mile(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-14 R60.7/R77.0 4887 0715000194	In Palmdale and Lancaster, from Avenue P-8 to the Kern County line. Replace distressed lanes/shoulders, cold plane and overlay ramps, upgrade guardrail, dikes, sign panels, curb ramps and traffic loop detectors.	31600 2020-21	R/W: $210 Const: $142,660	PA&ED: $3,000 PS&E: $21,200 R/W Sup: $280 Con Sup: $25,800	18-19 18-19 18-19 20-21	PA&ED: 4/11/2019 R/W Cert: 9/2/2020 RTL: 11/6/2020 Begin Con: 2/24/2021
			Subtotal: $142,870	$50,280		
			Total Project Cost:	**$193,150**		
New			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 82.4 Lane mile(s)			
07-Los Angeles-57 R0.0/R4.5 4718 0714000067	In and near Diamond Bar, from the Orange County line to Route 60. Pavement rehabilitation.	30450 2018-19	R/W: $70 Const: $75,920	PA&ED: PS&E: $9,900 R/W Sup: $10 Con Sup: $13,000	 Prior Prior 18-19	PA&ED: 7/26/2017 R/W Cert: 4/10/2019 RTL: 6/10/2019 Begin Con: 2/15/2020
			Subtotal: $75,990	$22,910		
			Total Project Cost:	**$98,900**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 44.5 Lane mile(s)			
07-Los Angeles-210 R0.0/R9.7 4801 0714000299	In the city of Los Angeles, from Route 5 to North Wheatland Avenue. Rehabilitate roadway.	30960 2018-19	R/W: $490 Const: $120,000	PA&ED: $500 PS&E: $6,000 R/W Sup: $500 Con Sup: $16,500	Prior Prior Prior 18-19	PA&ED: 9/29/2017 R/W Cert: 2/15/2019 RTL: 3/28/2019 Begin Con: 1/6/2020
			Subtotal: $120,490	$23,500		
			Total Project Cost:	**$143,990**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 51.7 Lane mile(s)			
07-Los Angeles-605 R0.0/R10.2 4979 0716000033	In various cities, from Orange County line to Telegraph Road. Replace structural section on lanes 3 and 4 and other damaged concrete slabs on other lanes. Cold plane and overlay Rubberized Hot Mix Asphalt (RHMA-G) on right shoulders and apply High Friction Surface Treatment (HFST) onramps and connectors. (G13 Contingency)	32030 2021-22	R/W: $25 * Const: $99,810	PA&ED: $1,960 PS&E: $9,290 R/W Sup: $150 * Con Sup: $24,620	Prior 18-19 18-19 21-22	PA&ED: 2/15/2019 R/W Cert: 10/15/2021 RTL: 2/15/2022 Begin Con: 11/15/2022
			Subtotal: $99,835	$36,020		
			Total Project Cost:	**$135,855**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 104.0 Lane mile(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-14 R29.2/R29.4 5237 0717000157	In Santa Clarita, from 1.1 mile north of Placerita Canyon Road to 0.2 mile south of Golden Valley Road. Regrade slopes, construct drainage ditches and install erosion control system.	33960 2021-22	R/W: $36 Const: $24,600	PA&ED: $1,090 PS&E: $2,720 R/W Sup: $49 Con Sup: $3,750	18-19 19-20 19-20 21-22	PA&ED: 3/1/2020 R/W Cert: 11/1/2021 RTL: 1/1/2022 Begin Con: 11/1/2022
			Subtotal: $24,636	$7,609		
			Total Project Cost:	**$32,245**		
New			**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 1 Location(s)			
07-Los Angeles-1 37.7/62.8 4846 0715000090	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 2020-21	R/W: $8,200 Const: $7,900	PA&ED: $1,950 PS&E: $3,250 R/W Sup: $1,850 Con Sup: $2,750	Prior 20-21 20-21 20-21	PA&ED: 4/30/2018 R/W Cert: 7/2/2020 RTL: 4/1/2020 Begin Con: 8/3/2020
			Subtotal: $16,100	$9,800		
			Total Project Cost:	**$25,900**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 19 Culvert(s) (ea)			
07-Los Angeles-5 11.0/13.9 4910 0715000246	In the cities of Los Angeles, Hollywood, Long Beach and Signal Hill from Simons Underpass to Eastern Avenue; on Routes 101, 405 and 710 at various locations. Replace 9 pump plants.	31750 2018-19	R/W: $10 Const: $4,803	PA&ED: $360 PS&E: $1,038 R/W Sup: $30 Con Sup: $1,500	Prior Prior Prior 18-19	PA&ED: 12/1/2017 R/W Cert: 12/31/2018 RTL: 1/30/2019 Begin Con: 8/14/2019
			Subtotal: $4,813	$2,928		
			Total Project Cost:	**$7,741**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 9 Culvert(s) (ea)			
07-Los Angeles-5 19.8/36.0 5024 0716000079	In various cities, on Route 5 (PM 19.75/35.99), Route 10 (PM 22.32/23.88), Route 91 (PM R11.80), Route 605 (PM R14.07) and Route 710 (PM 18.7/21.01). Replace pumps with submersible pumps.	32490 2020-21	R/W: $14 Const: $5,946	PA&ED: $254 PS&E: $1,075 R/W Sup: $73 Con Sup: $1,110	18-19 19-20 20-21 20-21	PA&ED: 12/1/2019 R/W Cert: 1/1/2021 RTL: 2/28/2021 Begin Con: 11/30/2021
			Subtotal: $5,960	$2,512		
			Total Project Cost:	**$8,472**		
New			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 15 Culvert(s) (ea)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
07-Los Angeles-5 20.8 5223 0717000053	In the city of Los Angeles, on the northbound connector at the Route 5/110 Separation. Replace compromised 18 inch Reinforced Concrete Culvert (RCP).	33800 2019-20	R/W: Const:	$10 $1,654	PA&ED: PS&E: R/W Sup: Con Sup:	$709 $2,548 $123 $2,462	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/15/2018 9/1/2019 10/1/2019 5/1/2020
			Subtotal:	$1,664		$5,842			
			Total Project Cost:			**$7,506**			
Carryover			**Program Code**		201.151 Drainage System Restoration				
			Performance Measure		1 Culvert(s) (ea)				
07-Los Angeles-5 R70.4 4847 0715000092	Near Pyramid Lake, 4.4 miles north of Templin Highway. Remove and replace two sections of damaged reinforced concrete pipe.	31360 2018-19	R/W: Const:	$20 $1,384	PA&ED: PS&E: R/W Sup: Con Sup:	$180 $350 $20 $970	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/1/2017 7/31/2018 9/10/2018 3/25/2019
			Subtotal:	$1,404		$1,520			
			Total Project Cost:			**$2,924**			
Carryover			**Program Code**		201.151 Drainage System Restoration				
			Performance Measure		1 Culvert(s) (ea)				
07-Los Angeles-14 28.9 5219 0717000036	In the City of Santa Clarita, near southbound offramp to Sierra Highway. Replace damaged drainage system that includes seventeen culverts.	33760 2019-20	R/W: Const:	$10 $2,719	PA&ED: PS&E: R/W Sup: Con Sup:	$556 $1,881 $23 $1,262	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/13/2018 9/3/2019 10/1/2019 5/1/2020
			Subtotal:	$2,729		$3,722			
			Total Project Cost:			**$6,451**			
Carryover			**Program Code**		201.151 Drainage System Restoration				
			Performance Measure		1 Culvert(s) (ea)				
07-Los Angeles-103 0.1/0.1 5043 0716000126	In Long Beach, at Henry Ford Avenue offramp. Construct larger pump plant facility including replacing undersized pumps.	32730 2020-21	R/W: Const:	$1,646 $22,593	PA&ED: PS&E: R/W Sup: Con Sup:	$1,198 $2,586 $420 $3,954	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	12/31/2019 1/15/2021 3/30/2021 10/1/2021
			Subtotal:	$24,239		$8,158			
			Total Project Cost:			**$32,397**			
New			**Program Code**		201.151 Drainage System Restoration				
			Performance Measure		2 Culvert(s) (ea)				

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-110 11.0 4849 0715000095	Near Gardena, south of Redondo Beach Boulevard. Replace culvert.	31380 2018-19	R/W: $50 Const: $2,820	PA&ED: $110 PS&E: $1,325 R/W Sup: $20 Con Sup: $1,200	Prior Prior Prior 18-19	PA&ED: 1/17/2018 R/W Cert: 2/28/2019 RTL: 3/29/2019 Begin Con: 3/13/2020
			Subtotal: $2,870	$2,655		
			Total Project Cost:	**$5,525**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 1 Culvert(s) (ea)			
07-Los Angeles-134 R6.3/R8.2 4848 0715000093	In Glendale, from east of Concord Street Overcrossing to west of Chevy Chase Drive Undercrossing at three locations. Restore culvert systems.	31370 2018-19	R/W: $10 Const: $1,810	PA&ED: $200 PS&E: $1,200 R/W Sup: $50 Con Sup: $1,175	Prior Prior Prior 18-19	PA&ED: 10/19/2017 R/W Cert: 7/31/2018 RTL: 9/10/2018 Begin Con: 3/25/2019
			Subtotal: $1,820	$2,625		
			Total Project Cost:	**$4,445**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 3 Culvert(s) (ea)			
07-Los Angeles-213 2.7/3.9 3734 0700000457	In Rancho Palos Verdes, from Caddington Drive to Peninsula Verde Drive. Replace two damaged drainage systems.	25310 2019-20	R/W: $260 Const: $1,662	PA&ED: $234 PS&E: $923 R/W Sup: $310 Con Sup: $423	Prior Prior 18-19 19-20	PA&ED: 8/17/2018 R/W Cert: 2/28/2020 RTL: 3/30/2020 Begin Con: 10/31/2019
			Subtotal: $1,922	$1,890		
			Total Project Cost:	**$3,812**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 3 Culvert(s) (ea)			
07-Los Angeles-710 23.6/26.3 4845 0715000089	In the cities of Los Angeles and Monterey Park, from Olympic Boulevard to Ramona Boulevard. Rehabilitate culverts.	31340 2018-19	R/W: $50 Const: $1,207	PA&ED: $100 PS&E: $155 R/W Sup: $47 Con Sup: $205	Prior Prior Prior 18-19	PA&ED: 6/30/2017 R/W Cert: 1/11/2019 RTL: 4/30/2019 Begin Con: 9/30/2019
			Subtotal: $1,257	$507		
			Total Project Cost:	**$1,764**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 36 Culvert(s) (ea)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
07-Los Angeles-1 35.1/35.4 4903 0715000227	In Santa Monica, at McClure Tunnel Bridge No. 53-0008. Enhance safety lighting inside tunnel.	31690 2018-19	R/W: Const:	$15 $5,180	PA&ED: PS&E: R/W Sup: Con Sup:	$150 $592 $50 $1,903	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/30/2017 10/9/2018 11/30/2018 6/14/2019
			Subtotal:	$5,195		$2,695			
			Total Project Cost:			**$7,890**			
Carryover			**Program Code**	201.170 Signs and Lighting Rehabilitation					
			Performance Measure	150 Lighting fixture(s)					
07-Los Angeles-10 2.2/48.3 5201 0716000363	In Los Angeles County, from 4th Street Overcrossing to San Bernardino County line. Replace sign panels and remove overhead sign lighting and catwalks.	33530 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	PA&ED: R/W Cert: RTL: Begin Con:	8/23/2019 10/1/2020 10/16/2020 5/14/2021
			Subtotal:	$7,873		$5,248			
			Total Project Cost:			**$13,121**			
New			**Program Code**	201.170 Signs and Lighting Rehabilitation					
			Performance Measure	599 Sign(s)					
07-Los Angeles-60 0.0/R30.5 4906 0715000237	In various cities, from Route 5 to San Bernardino County line; also on Route 710, from Ocean Boulevard to Valley Boulevard (PM 5.6/T27.4). Replace existing signs with retro-reflective sheeting.	31730 2019-20	R/W: Const:	$15 $2,665	PA&ED: PS&E: R/W Sup: Con Sup:	$398 $1,081 $5 $1,156	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	8/24/2018 1/10/2020 2/28/2020 1/27/2021
			Subtotal:	$2,680		$2,640			
			Total Project Cost:			**$5,320**			
Carryover			**Program Code**	201.170 Signs and Lighting Rehabilitation					
			Performance Measure	96 Lighting fixture(s)					
07-Los Angeles-110 0.0/31.9 5074 0716000206	In various cities, from 9th Street/Gaffey Street to end of freeway. Replace sign panels with retroreflective sheeting ASTM Type XI, remove overhead lighting and catwalks.	32980 2020-21	R/W: Const:	$10 $5,360	PA&ED: PS&E: R/W Sup: Con Sup:	$418 $2,342 $21 $1,573	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	1/16/2020 1/15/2021 3/18/2021 10/26/2021
			Subtotal:	$5,370		$4,354			
			Total Project Cost:			**$9,724**			
New			**Program Code**	201.170 Signs and Lighting Rehabilitation					
			Performance Measure	500 Sign(s)					

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MOBILITY						
07-Los Angeles-110 31.0/31.0 5196 0716000355	In Pasadena and South Pasadena, at the Fair Oaks Avenue northbound offramp. Widen ramp from two lanes to four lanes. The city of South Pasadena will Advertise, Award, and Administer (AAA) the project construction contract.	33520 2021-22	R/W: Const: $1	PA&ED: $1,400 PS&E: $2,372 R/W Sup: Con Sup:	18-19 20-21	PA&ED: 3/1/2020 R/W Cert: 6/30/2021 RTL: 8/1/2021 Begin Con: 4/20/2022
			Subtotal: $1	$3,772		
			Total Project Cost:	**$3,773**		
New			**Program Code** 201.310 Operational Improvements **Performance Measure** 64 Daily vehicle hour(s) of delay (DVHD)			
07-Los Angeles-405 39.1 2681 0717000022	In the city of Sherman Oaks, at southbound onramp from Ventura Boulevard. Widen the onramp to two lanes plus a High Occupancy Vehicle (HOV) lane.	20490 2021-22	R/W: $29 Const: $3,120	PA&ED: $785 PS&E: $1,918 R/W Sup: $141 Con Sup: $1,343	18-19 20-21 20-21 21-22	PA&ED: 3/23/2020 R/W Cert: 9/21/2021 RTL: 10/21/2021 Begin Con: 7/15/2022
			Subtotal: $3,149	$4,187		
			Total Project Cost:	**$7,336**		
New			**Program Code** 201.310 Operational Improvements **Performance Measure** 12.5 Daily vehicle hour(s) of delay (DVHD)			
07-Los Angeles-1 R34.5/35.2 5041 0716000121	In and near Santa Monica, from Lincoln Boulevard to McClure Tunnel; also on Route 10 (PM 2.1/18.3), Route 2 (PM R18.7), Route 101 (PM 11.8), and Route 105 (PM R1.95). Upgrade the existing Transportation Management System (TMS) elements to improve traffic monitoring, data transmission, and network connectivity including the Los Angeles Regional Transportation Management Center (LARTMC) and communication hubs at Route 10, Route 101 and Route 105.	32720 2020-21	R/W: $327 Const: $17,264	PA&ED: $539 PS&E: $3,159 R/W Sup: $43 Con Sup: $3,284	Prior 18-19 18-19 20-21	PA&ED: 12/15/2018 R/W Cert: 8/22/2020 RTL: 10/15/2020 Begin Con: 5/13/2021
			Subtotal: $17,591	$7,025		
			Total Project Cost:	**$24,616**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 129 Field element(s)			
07-Los Angeles-60 R0.6/11.8 5040 0716000120	In and near the city of Los Angeles, from EB Route 60/5 Separation to Route 605; also on Route 2 (PM R18.7), Route 5 (PM 6.8), Route 10 (PM 18.3), and Route 605 (PM 20.2). Upgrade the existing Transportation Management System (TMS) elements to improve traffic monitoring, data transmission, and network connectivity including the Los Angeles Regional Transportation Management Center (LARTMC) on Route 2, Route 5, Route 10, and Route 605.	32710 2020-21	R/W: $153 Const: $6,674	PA&ED: $30 PS&E: $1,028 R/W Sup: $45 Con Sup: $1,450	Prior 19-20 19-20 20-21	PA&ED: 6/15/2018 R/W Cert: 8/21/2020 RTL: 10/21/2020 Begin Con: 5/22/2021
			Subtotal: $6,827	$2,553		
			Total Project Cost:	**$9,380**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 62 Field element(s)			

2018 SHOPP Project List
Los Angeles
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-91 R6.1/R20.7 5226 0717000060	In and near Carson, from Route 110 to Orange County line; also on Route 2 (PM R18.7), Route 5 (PM 6.8), Route 405 (PM 21.1). Upgrade the existing Transportation Management System (TMS) elements to improve traffic monitoring, data transmission, and network connectivity including the various communication hubs on Route 2, Route 5, and Route 405.	33860 2021-22	R/W: $590 Const: $10,851 Subtotal: $11,441	PA&ED: $511 PS&E: $2,630 R/W Sup: $150 Con Sup: $2,237 $5,528	Prior 18-19 18-19 21-22	PA&ED: 12/12/2018 R/W Cert: 8/3/2021 RTL: 1/3/2022 Begin Con: 8/1/2022
			Total Project Cost:	**$16,969**		
			Program Code	201.315 Transportation Management Systems		
Carryover			**Performance Measure**	68 Field element(s)		
07-Los Angeles-101 0.0/R17.1 5221 0717000054	In various ciites, from Routes 5/10 to Route 405, Route 2 at Route 134 (PM R18.7) and Route 10 at Route 5/10 (PM 18.3). Upgrade Transportation Management System (TMS) elements including Closed Circuit Television (CCTV) cameras, Ramp Metering Systems (RMS), Vehicle Detection Stations (VDS), Highway Advisory Radio (HAR), Changeable Message Signs (CMS) and the communication system network.	33780 2021-22	R/W: $13 Const: $9,718 Subtotal: $9,731	PA&ED: $438 PS&E: $3,008 R/W Sup: $162 Con Sup: $1,863 $5,471	Prior 18-19 18-19 21-22	PA&ED: 7/15/2018 R/W Cert: 9/3/2021 RTL: 1/3/2022 Begin Con: 8/1/2022
			Total Project Cost:	**$15,202**		
			Program Code	201.315 Transportation Management Systems		
Carryover			**Performance Measure**	98 Field element(s)		
07-Los Angeles-110 0.7/25.7 4830 0715000051	In the cities of San Pedro, Carson, Gardena and Los Angeles, from Gaffey Street to Route 5; also on Route 2 at the Transportation Management Center (TMC) Building (PM 18.7), Route 5 at Route 10 Interchange (PM 16.9) and Route 405 at Route 105 Interchange (PM 21.3). Upgrade and completion of Transportation Management System (TMS).	31200 2018-19	R/W: $702 Const: $29,000 Subtotal: $29,702	PA&ED: $20 PS&E: $3,720 R/W Sup: $105 Con Sup: $5,000 $8,845	Prior Prior Prior 18-19	PA&ED: 11/30/2017 R/W Cert: 7/13/2018 RTL: 2/20/2019 Begin Con: 8/15/2019
			Total Project Cost:	**$38,547**		
			Program Code	201.315 Transportation Management Systems		
Carryover			**Performance Measure**	219 Field element(s)		
07-Los Angeles-110 R0.7/8.8 5188 0716000346	In the cities of Los Angeles, Wilmington, and Carson, from Gaffey Street to Route 405; also on Route 210 (PM R0.0/R35.8), Route 605 (PM 19.9/26.0), Route 710 (PM 5.0/9.4) and Route 2 (PM R18.7). Install wireless Bluetooth™ detection system to monitor travel time.	33500 2020-21	R/W: $10 Const: $1,373 Subtotal: $1,383	PA&ED: $40 PS&E: $200 R/W Sup: Con Sup: $300 $540	Prior 18-19 20-21	PA&ED: 12/28/2018 R/W Cert: 7/21/2020 RTL: 10/21/2020 Begin Con: 4/22/2021
			Total Project Cost:	**$1,923**		
			Program Code	201.315 Transportation Management Systems		
Carryover			**Performance Measure**	76 Field element(s)		

2018 SHOPP Project List
Los Angeles
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-134 0.0/R13.3 5222 0717000052	In the city of Los Angeles, from Route 170 to Routes 210/710; also on Route 2 at Route 134 (PM R18.7), on Route 10 at Routes 5/10 (PM 18.3), and on Route 101 near Pleasant Valley Road (PM 11.8). Upgrade Transportation Management System (TMS) elements including Closed Circuit Television (CCTV) cameras, Ramp Metering Systems (RMS), Vehicle Detection Stations (VDS), Highway Advisory Radio (HAR), Changeable Message Signs (CMS) and the communication system network.	33790 2021-22	R/W: $13 Const: $7,559 Subtotal: $7,572 **Total Project Cost:**	PA&ED: $454 PS&E: $2,840 R/W Sup: $154 Con Sup: $1,953 $5,401 **$12,973**	Prior 18-19 18-19 21-22	PA&ED: 7/15/2018 R/W Cert: 8/3/2021 RTL: 1/3/2022 Begin Con: 8/1/2022
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 69 Field element(s)			
07-Los Angeles-605 R0.0/26.0 4819 0715000016	In various cities, from Orange County line to Route 210; also on Route 2 at the Transportation Management Center (TMC) (PM R18.7) and Route 5 (PM 6.8). Upgrade Transportation Management System (TMS).	31190 2018-19	R/W: Const: $10,562 Subtotal: $10,562 **Total Project Cost:**	PA&ED: $20 PS&E: $2,299 R/W Sup: $2 Con Sup: $2,490 $4,811 **$15,373**	Prior Prior Prior 18-19	PA&ED: 6/9/2015 R/W Cert: 2/1/2019 RTL: 3/5/2019 Begin Con: 2/27/2020
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 115 Field element(s)			
07-Los Angeles-5 R54.4/R54.8 5071 0716000183	In Santa Clarita, from 0.4 mile north of Rye Canyon Road to 1.4 miles south of Route 5/126 Interchange. Replace office structure and inspection enclosure and upgrade floor slab lighting with LED lighting.	32880 2020-21	R/W: $10 Const: $850 Subtotal: $860 **Total Project Cost:**	PA&ED: $550 PS&E: $2,000 R/W Sup: $20 Con Sup: $1,200 $3,770 **$4,630**	18-19 19-20 19-20 20-21	PA&ED: 9/15/2019 R/W Cert: 2/20/2020 RTL: 8/20/2020 Begin Con: 5/15/2021
New			**Program Code** 201.321 Weigh Stations **Performance Measure** 1 Location(s)			
07-Los Angeles-405 42.9 4724 0714000097	In Van Nuys, near Saticoy Street. Replace and install Weigh-in-Motion (WIM) system.	30510 2018-19	R/W: Const: $2,195 Subtotal: $2,195 **Total Project Cost:**	PA&ED: $528 PS&E: $983 R/W Sup: $12 Con Sup: $890 $2,413 **$4,608**	Prior Prior Prior 18-19	PA&ED: 12/1/2017 R/W Cert: 12/7/2018 RTL: 1/4/2019 Begin Con: 8/12/2019
Carryover			**Program Code** 201.321 Weigh Stations **Performance Measure** 1 Location(s)			

2018 SHOPP Project List
Los Angeles
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
ROADSIDE PRESERVATION									
07-Los Angeles-210 15.6/22.6 5080 0716000217	In La Crescenta and La Canada Flintridge, from Lowell Avenue to Arroyo Boulevard. Restore existing irrigation to functionality, upgrade remaining older irrigation controllers to web connect "smart controllers."	33070 2020-21	R/W: Const:	$10 $3,528	PA&ED: PS&E: R/W Sup: Con Sup:	$375 $1,077 $20 $1,383	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	9/16/2019 10/14/2020 12/18/2020 8/20/2021
			Subtotal:	$3,538		$2,855			
			Total Project Cost:			**$6,393**			
			Program Code	201.210 Highway Planting Restoration					
New			**Performance Measure**	22 Acre(s)					
FACILITIES									
07-Los Angeles-101 5287 0717000277	In the city of Los Angeles, at the Caltrans District 7 headquarters office building, 100 S. Main Street. Repair damaged roof.	34240 2018-19	R/W: Const:	 $2,300	PA&ED: PS&E: R/W Sup: Con Sup:	 $450 $10 $450	 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/29/2017 7/15/2018 8/15/2018 12/15/2018
			Subtotal:	$2,300		$910			
			Total Project Cost:			**$3,210**			
			Program Code	201.353 Office Facilities					
New			**Performance Measure**	1 Location(s)					
07-Los Angeles-101 5379 0718000042	In the city of Los Angeles, at the Caltrans District 7 headquarters office building, 100 S. Main Street. Replace and upgrade three hot water heater (boilers) units.	34400 2018-19	R/W: Const:	 $770	PA&ED: PS&E: R/W Sup: Con Sup:	 $50 $100	 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	10/25/2017 8/30/2018 8/30/2018 2/28/2019
			Subtotal:	$770		$150			
			Total Project Cost:			**$920**			
			Program Code	201.353 Office Facilities					
New			**Performance Measure**	1 Location(s)					
MULTIPLE OBJECTIVE									
07-Los Angeles-5 0.8 5159 0716000301	In Kern County, at the Tejon Safety Roadside Rest Area (SRRA) (PM 0.8). Install concrete pavement solar panels along the rest area shoulders.	33320 2020-21	R/W: Const:	$61 $2,739	PA&ED: PS&E: R/W Sup: Con Sup:	$500 $340 $20 $340	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	6/3/2019 8/3/2020 9/2/2020 5/1/2021
			Subtotal:	$2,800		$1,200			
			Total Project Cost:			**$4,000**			
			Program Code	201.999 MULTIPLE OBJECTIVE					
New			**Performance Measure**	1 Location(s)					

2018 SHOPP Project List
Los Angeles
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
07-Los Angeles-5 14.7/26.9 5157 0716000298	In and near the city of Los Angeles, from Ditman Avenue southbound offramp to Route 134; also on Route 2 (PM R18.7) and Route 101 (PM 11.8). Multi-objective Asset Management project that includes widening and extending deceleration length on the Indiana Street/Calzona Street southbound offramp, upgrade guardrail and (Transportation Management System (TMS), construct highway worker safety features.	33300 2021-22	R/W: $147 Const: $16,927	PA&ED: $650 PS&E: $2,800 R/W Sup: $25 Con Sup: $4,100	18-19 19-20 19-20 21-22	PA&ED: 8/9/2019 R/W Cert: 1/31/2022 RTL: 2/28/2022 Begin Con: 9/30/2022
			Subtotal: $17,074	$7,575		
			Total Project Cost:	**$24,649**		
			Program Code	201.999 MULTIPLE OBJECTIVE		
New			**Performance Measure**	101 Location(s)		

Los Angeles County

R/W:	$241,841	PA&ED:	$128,338
Const:	$1,929,663	PS&E:	$417,522
		R/W Sup:	$45,399
		Con Sup:	$480,247
Subtotal:	$2,171,504		$1,071,506
Total (Capital + Support):			**$3,243,010**

2018 SHOPP Project List
Madera
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
BRIDGE PRESERVATION						
06-Madera-99 R7.0/R7.5 6857 0616000207	Near the city of Madera, at Cottonwood Creek Bridge No. 41-065R, No. 41-0065L and No. 41 -0065S. Replace bridges to mitigate corrosion by chloride latent concrete.	0V120 2021-22	R/W: $137 Const: $24,500	PA&ED: $2,400 PS&E: $3,200 R/W Sup: $100 Con Sup: $6,100	Prior 20-21 20-21 21-22	PA&ED: 7/1/2020 R/W Cert: 7/7/2021 RTL: 7/26/2021 Begin Con: 3/2/2022
			Subtotal: $24,637	$11,800		
			Total Project Cost:	**$36,437**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 3 Bridge(s)			
06-Madera-99 9.7 6887 0616000206	Near the city of Madera, at South Gateway Drive Overcrossing No. 41-0046K. Replace bridge railing, grind deck, and place reinforced Portland Cement Concrete (PCC) to rehabilitate bridge.	0U170 2019-20	R/W: $30 Const: $2,700	PA&ED: $950 PS&E: $1,600 R/W Sup: $1 Con Sup: $1,300	Prior 18-19 18-19 19-20	PA&ED: 3/15/2019 R/W Cert: 4/2/2020 RTL: 5/1/2020 Begin Con: 10/28/2020
			Subtotal: $2,730	$3,851		
			Total Project Cost:	**$6,581**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
ROADWAY PRESERVATION						
06-Madera-41 6.3/9.2 6708 0614000058	Near Fresno, from north of Avenue 15 to south of Route 145. Roadway rehabilitation. Additional $22,000 from Local/Private contribution.	0R210 2019-20	R/W: $3,160 Const: $10,184	PA&ED: $2,463 PS&E: $2,390 R/W Sup: $1,296 Con Sup: $2,722	Prior 19-20 19-20 19-20	PA&ED: 9/1/2019 R/W Cert: 2/1/2020 RTL: 3/1/2020 Begin Con: 10/1/2020
			Subtotal: $13,344	$8,871		
			Total Project Cost:	**$22,215**		
Carryover			**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 21.6 Lane mile(s)			
06-Madera-99 R7.5/15.1 5335A 0600000973	In and near Madera, from Avenue 12 Overcrossing to 0.9 mile north of Avenue 17 Overcrossing. Additonal $13M from other contribution for the construction of one new lane in each direction. Roadway rehabilitation.	47090 2018-19	R/W: Const: $53,000	PA&ED: PS&E: $1,500 R/W Sup: Con Sup: $7,500	 18-19 18-19	PA&ED: 8/14/2015 R/W Cert: 5/1/2018 RTL: 6/1/2018 Begin Con: 11/1/2019
			Subtotal: $53,000	$9,000		
			Total Project Cost:	**$62,000**		
New			**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 23.0 Lane mile(s)			

2018 SHOPP Project List
Madera
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
06-Madera-99 13.1/19.6 6789 0616000003	In and near Madera, from 0.3 mile north of Avenue 16 Overcrossing to 0.9 mile north of Avenue 20 Overcrossing. Rehabilitate pavement on mainline and ramps.	0U520 2018-19	R/W: Const:	$27 $11,210	PA&ED: PS&E: R/W Sup: Con Sup:	 $1,118 $19 $1,379	 Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	5/11/2016 12/1/2018 1/23/2019 7/15/2019
			Subtotal:	$11,237		$2,516			
			Total Project Cost:			**$13,753**			
Carryover			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	26.0 Lane mile(s)					
06-Madera-99 22.7/29.4 6732 0615000037	In and near Chowchilla, from Route 152 to the Merced County line. Roadway rehabilitation.	0T210 2018-19	R/W: Const:	$30 $17,000	PA&ED: PS&E: R/W Sup: Con Sup:	$499 $1,885 $30 $2,507	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2017 2/1/2018 3/23/2018 3/1/2019
			Subtotal:	$17,030		$4,921			
			Total Project Cost:			**$21,951**			
Carryover			**Program Code**	201.122 Roadway Rehabilitation (2R)					
			Performance Measure	26.0 Lane mile(s)					
ROADSIDE PRESERVATION									
06-Madera-Var 6750 0615000176	In various counties, on various routes. Establish mitigation bank for future Caltrans projects in Districts 6 and 10 to protect the California Tiger Salamander.	0U020 2018-19	R/W: Const:	 $1,800	PA&ED: PS&E: R/W Sup: Con Sup:	$5 $130 $5 $60	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	8/25/2017 12/3/2018 1/2/2019 9/1/2019
			Subtotal:	$1,800		$200			
			Total Project Cost:			**$2,000**			
Carryover			**Program Code**	201.240 Roadside Enhancement					
			Performance Measure	5 Location(s)					

Madera County

R/W:	$3,384	PA&ED:	$6,317
Const:	$120,394	PS&E:	$11,823
		R/W Sup:	$1,451
		Con Sup:	$21,568
Subtotal:	$123,778		$41,159
Total (Capital + Support):			**$164,937**

2018 SHOPP Project List
Marin
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
04-Marin-101 0.2 1492J 0415000344	Near Sausalito, at 0.1 mile south of Alexander Avenue. Restore damaged drainage systems.	4J420 2019-20	R/W: $13 Const: $909	PA&ED: $837 PS&E: $850 R/W Sup: $100 Con Sup: $850	Prior 18-19 18-19 19-20	PA&ED: 1/1/2019 R/W Cert: 2/1/2020 RTL: 4/1/2020 Begin Con: 7/8/2020
			Subtotal: $922	$2,637		
			Total Project Cost:	**$3,559**		
Carryover			**Program Code**	201.131 Permanent Restoration		
			Performance Measure	2 Location(s)		
COLLISION REDUCTION						
04-Marin-101 9.4/10.4 1452K 0417000028	In San Rafael, at Route 580; and in Sonoma County in Santa Rosa from PM 19.7 to PM 20.7; in Solano County on Route 37 in Vallejo from PM R9.4 to PM R10.4 and on Route 80 in and near Vallejo and Fairfield from PM 6.5 to 17.5; also in Napa County, on Route 29 in and near the cities of Napa and Yountville from PM 11.0 to 21.0. Upgrade fencing to reduce maintenance worker exposure.	2K810 2021-22	R/W: $100 Const: $3,142	PA&ED: $550 PS&E: $550 R/W Sup: $100 Con Sup: $550	18-19 19-20 19-20 21-22	PA&ED: 6/1/2020 R/W Cert: 1/15/2022 RTL: 4/15/2022 Begin Con: 10/15/2022
			Subtotal: $3,242	$1,750		
			Total Project Cost:	**$4,992**		
New			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	41 Location(s)		
MANDATES						
04-Marin-101 13.7 1495K 0416000141	In San Rafael, at Manuel T Freitas Parkway. Upgrade curb ramps, sidewalk, and other facilities to make compliant with Americans with Disabilities Act (ADA) Standards.	0K800 2021-22	R/W: $125 Const: $2,239	PA&ED: $300 PS&E: $850 R/W Sup: $120 Con Sup: $850	18-19 19-20 19-20 21-22	PA&ED: 6/1/2020 R/W Cert: 1/3/2022 RTL: 5/2/2022 Begin Con: 11/15/2022
			Subtotal: $2,364	$2,120		
			Total Project Cost:	**$4,484**		
New			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps		
			Performance Measure	8 Curb ramp(s)		
04-Marin-131 R0.9 1491A 0415000350	In and near Tiburon, at Blackfield Drive/Greenwood Cove Drive. Intersection improvements to make compliant with the Americans with Disabilities Act (ADA) including removal of traffic islands, upgrading curb ramps and sidewalk, installing new traffic signals, and installing Accessible Pedestrian Signals (APS) pushbuttons and countdown timers.	4J450 2019-20	R/W: $55 Const: $1,488	PA&ED: $400 PS&E: $409 R/W Sup: $220 Con Sup: $450	18-19 18-19 18-19 19-20	PA&ED: 11/1/2018 R/W Cert: 5/1/2020 RTL: 6/30/2020 Begin Con: 12/9/2020
			Subtotal: $1,543	$1,479		
			Total Project Cost:	**$3,022**		
New			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps		
			Performance Measure	7 Curb ramp(s)		

2018 SHOPP Project List
Marin
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
04-Marin-1 0.0/0.8 0434H 0400021211	In Almonte, near Route 101 offramp to Route 1; also from Coyote Creek to Flamingo Road. Upgrade pedestrian facilities.	2G690 2018-19	R/W: $842 Const: $1,976	PA&ED: $510 PS&E: $1,000 R/W Sup: $300 Con Sup: $850	Prior Prior Prior 18-19	PA&ED: 6/16/2017 R/W Cert: 10/31/2018 RTL: 11/16/2018 Begin Con: 5/1/2019
			Subtotal: $2,818	$2,660		
			Total Project Cost:	**$5,478**		
Carryover			**Program Code**	201.378 Americans with Disabilities Act Pedestrian Infrastructure		
			Performance Measure	28 Structure(s)		

BRIDGE PRESERVATION

04-Marin-1 28.5 0756K 0413000350	Near Point Reyes Station, at Lagunitas Creek Bridge No. 27-0023. Replace bridge.	0G642 2020-21	R/W: $6,500 Const: $11,552	PA&ED: $4,187 PS&E: $2,850 R/W Sup: $750 Con Sup: $2,500	Prior 18-19 18-19 20-21	PA&ED: 6/1/2018 R/W Cert: 7/24/2020 RTL: 8/3/2020 Begin Con: 2/8/2021
			Subtotal: $18,052	$10,287		
			Total Project Cost:	**$28,339**		
Carryover			**Program Code**	201.113 Bridge Seismic Restoration		
			Performance Measure	1 Bridge(s)		
04-Marin-1 33.4 0480C 0414000014	Near Point Reyes Station, at Millerton Gulch Bridge No. 27-0114. Repair damaged embankment and construct retaining wall.	0J570 2018-19	R/W: $450 Const: $4,020	PA&ED: $1,620 PS&E: $1,080 R/W Sup: $180 Con Sup: $830	Prior Prior Prior 18-19	PA&ED: 12/1/2017 R/W Cert: 6/7/2019 RTL: 6/21/2019 Begin Con: 2/4/2020
			Subtotal: $4,470	$3,710		
			Total Project Cost:	**$8,180**		
Carryover			**Program Code**	201.119 Bridge Preventative Maintenance		
			Performance Measure	1 Bridge(s)		
04-Marin-101 11.3 1493K 0416000096	In San Rafael, at Irwin Creek Bridge No. 27 -0097. Rehabilitate corrugated metal arch culvert bridge and adjoining deteriorated culvert structures.	0K510 2021-22	R/W: $944 Const: $1,903	PA&ED: $1,100 PS&E: $880 R/W Sup: $215 Con Sup: $610	Prior 20-21 20-21 21-22	PA&ED: 8/1/2020 R/W Cert: 5/1/2022 RTL: 6/1/2022 Begin Con: 9/15/2022
			Subtotal: $2,847	$2,805		
			Total Project Cost:	**$5,652**		
Carryover			**Program Code**	201.119 Bridge Preventative Maintenance		
			Performance Measure	1 Bridge(s)		

2018 SHOPP Project List
Marin
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
ROADWAY PRESERVATION									
04-Marin-1 22.8/31.2 1480A 0414000403	Near Point Reyes Station and Olema, from Olema Creek Bridge to north of Cypress Road; also near Tomales, from south of Tomales-Petaluma Road to south of Valley Ford Road (PM 45.0/50.5). Pavement rehabilitation.	1J960 2019-20	R/W: Const:	$517 $13,783	PA&ED: PS&E: R/W Sup: Con Sup:	$1,320 $1,254 $66 $1,540	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2018 12/2/2019 1/9/2020 7/9/2020
			Subtotal:	$14,300		$4,180			
			Total Project Cost:			**$18,480**			
			Program Code	201.121 Pavement Rehabilitation (CAPM)					
Carryover			**Performance Measure**	27.8 Lane mile(s)					
MOBILITY									
04-Marin-101 0.3/9.0 0334J 0414000446	In and near Sausalito, Corte Madera, and Larkspur, from north of Golden Gate Bridge to 0.3 mile north of Sir Francis Drake Boulevard. Install ramp metering and Traffic Operations System (TOS) elements.	15161 2018-19	R/W: Const:	$110 $9,700	PA&ED: PS&E: R/W Sup: Con Sup:	 $1,500 $50 $1,600	 Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	5/7/2014 5/1/2018 6/1/2018 1/16/2019
			Subtotal:	$9,810		$3,150			
			Total Project Cost:			**$12,960**			
			Program Code	201.315 Transportation Management Systems					
Carryover			**Performance Measure**	11 Field element(s)					

Marin County

R/W:	$9,656	PA&ED:	$10,824
Const:	$50,712	PS&E:	$11,223
		R/W Sup:	$2,101
		Con Sup:	$10,630
Subtotal:	$60,368		$34,778
Total (Capital + Support):			**$95,146**

2018 SHOPP Project List
Mariposa
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
10-Mariposa-140 21.2/21.8 3131 1013000244	In the community of Mariposa, from Route 49 to 12th Street. Improve pedestrian access facilities to reduce collision severity.	0Y600 2019-20	R/W: Const:	$159 $1,550	PA&ED: PS&E: R/W Sup: Con Sup:	$296 $528 $411 $390	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	4/13/2018 8/16/2019 9/19/2019 3/18/2020
			Subtotal:	$1,709		$1,625			
			Total Project Cost:			**$3,334**			
			Program Code	201.015 Collision Severity Reduction					
Carryover			**Performance Measure**	24 Collision(s) reduced					
MANDATES									
10-Mariposa-140 21.2/21.4 3151 1013000240	In the Mariposa community, from 3rd Street to 7th street. Upgrade pedestrian facilities to make compliant with the Americans with Disabilities Act (ADA) Standards.	0Y590 2021-22	R/W: Const:	$55 $1,326	PA&ED: PS&E: R/W Sup: Con Sup:	$739 $626 $453 $592	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	4/15/2020 4/15/2022 5/1/2022 11/15/2022
			Subtotal:	$1,381		$2,410			
			Total Project Cost:			**$3,791**			
			Program Code	201.361 Americans with Disabilities Act New Curb Ramps					
New			**Performance Measure**	8 Curb ramp(s)					
ROADWAY PRESERVATION									
10-Mariposa-49 0.3/18.5 3233 1017000034	Near the community of Mariposa, from Madera County line to the south junction with Route 140. Pavement rehabilitation.	1C040 2019-20	R/W: Const:	$7 $16,197	PA&ED: PS&E: R/W Sup: Con Sup:	$403 $1,032 $9 $2,150	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	10/9/2018 10/1/2019 2/18/2020 9/27/2020
			Subtotal:	$16,204		$3,594			
			Total Project Cost:			**$19,798**			
			Program Code	201.121 Pavement Rehabilitation (CAPM)					
Carryover			**Performance Measure**	34.6 Lane mile(s)					
10-Mariposa-140 12.0/22.0 3252 1015000008	In and near the Mariposa community, from 1.7 miles east of Catheys Valley Park to the north Route 49 Junction. Rehabilitate pavement and upgrade Americans with Disabilities Act (ADA) ramps.	0Y770 2021-22	R/W: Const:	$1,989 $17,363	PA&ED: PS&E: R/W Sup: Con Sup:	$1,025 $1,095 $416 $1,689	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	2/1/2020 5/1/2022 6/1/2022 12/1/2022
			Subtotal:	$19,352		$4,225			
			Total Project Cost:			**$23,577**			
			Program Code	201.121 Pavement Rehabilitation (CAPM)					
New			**Performance Measure**	26.5 Lane mile(s)					

2018 SHOPP Project List
Mariposa
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
10-Mariposa-140 25.3/51.8 3167 1016000025	Near the Mariposa community and El Portal, from East Whitlock Road to Yosemite National Park entrance. Pavement rehabilitation.	0Y780 2021-22	R/W: Const:	$162 $23,765	PA&ED: PS&E: R/W Sup: Con Sup:	$900 $1,900 $30 $2,330	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	5/1/2020 9/1/2021 10/1/2021 4/15/2022
			Subtotal:	$23,927		$5,160			
			Total Project Cost:			**$29,087**			
New			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	54.8 Lane mile(s)					
10-Mariposa-140 32.2 3194 1014000182	Near Briceburg, at 2.1 miles west of Bull Creek Road. Repair slope slipout and erosion damage at large culvert pipe outlet.	0Y340 2020-21	R/W: Const:	$40 $1,850	PA&ED: PS&E: R/W Sup: Con Sup:	$0 $955 $155 $925	 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/29/2016 8/30/2020 9/30/2020 4/30/2021
			Subtotal:	$1,890		$2,035			
			Total Project Cost:			**$3,925**			
New			**Program Code**	201.150 Roadway Protective Betterments					
			Performance Measure	1 Location(s)					
10-Mariposa-41 0.1/4.9 3158 1015000113	Near Fish Camp, from south of Miami Mountain Road to south of Yosemite National Park boundary; also in Madera County (PM D0.639/D1.841). Rehabilitate culverts.	1E770 2018-19	R/W: Const:	$16 $1,893	PA&ED: PS&E: R/W Sup: Con Sup:	$435 $929 $84 $905	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	10/27/2017 12/3/2018 12/4/2018 7/1/2019
			Subtotal:	$1,909		$2,353			
			Total Project Cost:			**$4,262**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	20 Culvert(s) (ea)					

Mariposa County

R/W:	$2,428	PA&ED:	$3,798
Const:	$63,944	PS&E:	$7,065
		R/W Sup:	$1,558
		Con Sup:	$8,981
Subtotal:	$66,372		$21,402
Total (Capital + Support):			**$87,774**

2018 SHOPP Project List
Mendocino
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
01-Mendocino-162 11.5/11.8 4553 0114000035	Near Dos Rios, from 1.4 to 1.7 miles east of Rodeo Creek Bridge. Construct soldier pile walls and drainage galleries.	0B530 2018-19	R/W: $355 Const: $7,630	PA&ED: $2,060 PS&E: $1,650 R/W Sup: $170 Con Sup: $1,700	Prior 18-19 18-19 18-19	PA&ED: 7/1/2018 R/W Cert: 6/15/2019 RTL: 6/30/2019 Begin Con: 12/1/2019
			Subtotal: $7,985	$5,580		
			Total Project Cost:	**$13,565**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 1 Location(s)			
COLLISION REDUCTION						
01-Mendocino-1 6.5/9.5 4630 0116000047	Near Gualala, from 0.4 mile north of Havens Neck Drive to 0.5 mile south of Iverson Road. Widen shoulders and install edge-line rumble strips and guardrail.	0F710 2019-20	R/W: $433 Const: $519	PA&ED: $940 PS&E: $978 R/W Sup: $472 Con Sup: $728	Prior 18-19 18-19 19-20	PA&ED: 1/11/2019 R/W Cert: 2/15/2020 RTL: 3/1/2020 Begin Con: 9/15/2020
			Subtotal: $952	$3,118		
			Total Project Cost:	**$4,070**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 6 Collision(s) reduced			
01-Mendocino-1 41.8/42.3 4578 0112000300	Near Albion, from 1.5 miles north of Route 128 to 0.1 mile south of Navarro Ridge Road. Widen for standard shoulders and install rumble strips and guardrail.	0C550 2019-20	R/W: $462 Const: $1,702	PA&ED: $622 PS&E: $326 R/W Sup: $223 Con Sup: $608	Prior 18-19 18-19 19-20	PA&ED: 12/14/2018 R/W Cert: 2/28/2020 RTL: 3/13/2020 Begin Con: 8/14/2020
			Subtotal: $2,164	$1,779		
			Total Project Cost:	**$3,943**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 16 Collision(s) reduced			
01-Mendocino-1 71.2/71.4 4639 0116000120	Near Fort Bragg, from 0.03 mile south to 0.07 mile north of Abalobadiah Creek. Curve improvement and shoulder widening.	0G060 2019-20	R/W: $263 Const: $1,991	PA&ED: $874 PS&E: $1,094 R/W Sup: $190 Con Sup: $783	Prior 18-19 18-19 19-20	PA&ED: 3/8/2019 R/W Cert: 2/15/2020 RTL: 3/1/2020 Begin Con: 8/1/2020
			Subtotal: $2,254	$2,941		
			Total Project Cost:	**$5,195**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 16 Collision(s) reduced			

2018 SHOPP Project List
Mendocino
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
01-Mendocino-20 16.9/17.2 4613 0115000038	Near Fort Bragg, from 0.34 mile west of Road 200A to 0.13 mile west of Road 200A. Improve curve, install center and edge-line rumble strips, and install guardrail.	0E860 2018-19	R/W: Const:	$103 $2,155	PA&ED: PS&E: R/W Sup: Con Sup:	$782 $1,117 $129 $1,225	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	9/14/2018 6/11/2019 6/25/2019 11/14/2019
			Subtotal:	$2,258		$3,253			
			Total Project Cost:			**$5,511**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		24 Collision(s) reduced				
01-Mendocino-20 24.7/24.9 4650 0116000188	Near Willits, from 1.0 mile to 0.8 mile west of Three Chop Road. Widen eastbound shoulders, construct guard railing, place High Friction Surface Treatment (HFST), and extend an existing culvert.	0G430 2019-20	R/W: Const:	$17 $1,303	PA&ED: PS&E: R/W Sup: Con Sup:	$603 $843 $175 $718	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	2/1/2019 3/1/2020 3/15/2020 8/15/2020
			Subtotal:	$1,320		$2,339			
			Total Project Cost:			**$3,659**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		8 Collision(s) reduced				
01-Mendocino-162 17.4/17.8 4652 0117000009	Near Dos Rios, from 1.0 mile east of the Middle Way to 1.3 miles east of the Middle Way. Increase safety by improving roadway cross slope at curve, installing High Friction Surface Treatment (HFST), and installing an underdrain system.	0G480 2018-19	R/W: Const:	$6 $1,042	PA&ED: PS&E: R/W Sup: Con Sup:	$553 $672 $123 $723	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2018 12/1/2018 12/15/2018 5/15/2019
			Subtotal:	$1,048		$2,071			
			Total Project Cost:			**$3,119**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		14 Collision(s) reduced				
01-Mendocino-Var 7022 0116000118	In Mendocino, Lake, Del Norte, and Humboldt Counties on Routes 1, 20, 29, 96, 101, 128, 162, 169, 175, 199, 253, 254, 271, 281, and 299, at various locations. Replace curve warning signs to make standard.	0G050 2019-20	R/W: Const:	$9 $2,322	PA&ED: PS&E: R/W Sup: Con Sup:	$413 $1,067 $58 $986	18-19 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	2/1/2019 9/1/2019 9/1/2019 1/1/2020
			Subtotal:	$2,331		$2,524			
			Total Project Cost:			**$4,855**			
New			**Program Code**		201.015 Collision Severity Reduction				
			Performance Measure		30 Collision(s) reduced				

2018 SHOPP Project List
Mendocino
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
01-Mendocino-101 58.9/82.5 4574 0112000285	Near Laytonville, at Moss Cove Safety Roadside Rest Area (SRRA); also at Irvine Lodge SRRA (PM 61.8) and Empire Camp SRRA (PM 82.5). Upgrade potable and wastewater systems.	0C450 2019-20	R/W: Const:	$3 $6,322	PA&ED: PS&E: R/W Sup: Con Sup:	$365 $2,260 $46 $1,232	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2018 6/1/2020 6/15/2020 10/1/2020
			Subtotal:	$6,325		$3,903			
			Total Project Cost:			**$10,228**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		3	Location(s)			

MANDATES

01-Mendocino-1 59.8/62.1 4546 0112000110	In Fort Bragg, from Route 20 to Pudding Creek Bridge. Construct Americans with Disabilities Act (ADA) compliant curb ramps and sidewalk, add high visibility signing and striping at crosswalks, construct retaining walls, and upgrade drainage.	0B220 2020-21	R/W: Const:	$256 $4,218	PA&ED: PS&E: R/W Sup: Con Sup:	$750 $1,246 $511 $1,588	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	9/1/2019 11/15/2020 12/1/2020 7/1/2021
			Subtotal:	$4,474		$4,095			
			Total Project Cost:			**$8,569**			
New			**Program Code**		201.378	Americans with Disabilities Act Pedestrian Infrastructure			
			Performance Measure		68	Structure(s)			

BRIDGE PRESERVATION

01-Mendocino-1 42.4/43.3 4491 0100000155	Near Albion, from 2.2 miles north of Route 128 Junction to 0.2 mile north of Salmon Creek Bridge No. 10-0134. Bridge replacement. (G13 Contingency)	40140 2019-20	R/W: * Const:	$6,324 $36,775	PA&ED: PS&E: R/W Sup: * Con Sup:	$5,800 $5,593 $810 $6,290	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	11/15/2018 1/31/2020 2/14/2020 3/1/2020
			Subtotal:	$43,099		$18,493			
			Total Project Cost:			**$61,592**			
			** Construction Capital and * Construction Support phase are NOT authorized*						
Carryover			**Program Code**		201.110	Bridge Major Rehabilitation			
			Performance Measure		1	Bridge(s)			
01-Mendocino-1 43.3/44.2 4490 0100000154	Near Albion, from 3.0 miles north of Route 128 Junction to 0.2 mile north of Albion River Bridge No. 10-0136. Bridge replacement. (G13 Contingency)	40110 2019-20	R/W: * Const:	$7,748 $53,699	PA&ED: PS&E: R/W Sup: * Con Sup:	$5,500 $5,220 $828 $5,950	Prior 19-20 19-20 19-20	PA&ED: R/W Cert: RTL: Begin Con:	5/17/2019 3/13/2020 6/30/2020 12/15/2020
			Subtotal:	$61,447		$17,498			
			Total Project Cost:			**$78,945**			
			** Construction Capital and * Construction Support phase are NOT authorized*						
Carryover			**Program Code**		201.110	Bridge Major Rehabilitation			
			Performance Measure		1	Bridge(s)			

2018 SHOPP Project List
Mendocino
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
01-Mendocino-20 33.3/34.4 4587 0113000123	Near Ukiah, from east of Route 101 to east of Road 144 at Russian River Bridge and Overhead No. 10-0182. Rehabilitate bridge deck.	0E090 2019-20	R/W: $250 Const: $25,832	PA&ED: $2,087 PS&E: $3,129 R/W Sup: $260 Con Sup: $7,824	Prior 18-19 18-19 19-20	PA&ED: 2/15/2019 R/W Cert: 2/15/2020 RTL: 3/1/2020 Begin Con: 9/1/2020
			Subtotal: $26,082	$13,300		
			Total Project Cost:	**$39,382**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 2 Bridge(s)			
01-Mendocino-271 17.7/18.0 4710 0118000130	Near Piercy, 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 0A840.	0A841 2020-21	R/W: Const: $205	PA&ED: PS&E: R/W Sup: Con Sup: $172	 20-21	PA&ED: 4/27/2017 R/W Cert: 4/15/2018 RTL: 7/15/2020 Begin Con: 9/1/2020
			Subtotal: $205	$172		
			Total Project Cost:	**$377**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 0 Bridge(s)			
01-Mendocino-1 4507 0100000672	In and near Fort Bragg, at Little River Bridge No. 10-0178, at Jack Peters Bridge No. 10-0150 and at Pudding Creek Bridge No. 10-0158. Upgrade and replace barrier rails and bridge replacement.	43480 2019-20	R/W: $1,099 Const: $15,650	PA&ED: $3,806 PS&E: $2,825 R/W Sup: $341 Con Sup: $3,650	Prior 18-19 18-19 19-20	PA&ED: 12/14/2018 R/W Cert: 2/28/2020 RTL: 3/6/2020 Begin Con: 9/4/2020
			Subtotal: $16,749	$10,622		
			Total Project Cost:	**$27,371**		
Carryover			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 1463.0 Linear feet			
01-Mendocino-1 31.4 4588 0113000125	Near Fort Bragg, at Elk Creek Bridge No. 10 -0120. Replace and upgrade bridge rails.	0E110 2019-20	R/W: $333 Const: $7,325	PA&ED: $1,363 PS&E: $1,445 R/W Sup: $191 Con Sup: $1,759	Prior 19-20 19-20 19-20	PA&ED: 9/13/2019 R/W Cert: 2/26/2021 RTL: 3/12/2021 Begin Con: 8/27/2021
			Subtotal: $7,658	$4,758		
			Total Project Cost:	**$12,416**		
Carryover			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 321.5 Linear feet			

2018 SHOPP Project List
Mendocino
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
01-Mendocino-1 R52.4/R52.9 4636 0116000101	Near the Mendocino community, at Russian Gulch Bridge No. 10-0151 (PM 52.64). Replace or upgrade bridge to address bridge rail standards, functionality, structural integrity, and provide access for pedestrians and bicycles.	43481 2021-22	R/W: $7,128 Const: $34,109	PA&ED: $2,637 PS&E: $2,808 R/W Sup: $396 Con Sup: $13,142	18-19 20-21 20-21 21-22	PA&ED: 8/14/2020 R/W Cert: 3/4/2022 RTL: 3/18/2022 Begin Con: 10/14/2022
			Subtotal: $41,237	$18,983		
			Total Project Cost:	**$60,220**		
New			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 1134.0 Linear feet			
01-Mendocino-1 59.7 4588B 0115000109	Near Fort Bragg, at Hare Creek Bridge No. 10 -0175. Upgrade bridge rails and widen to make standard.	0E111 2021-22	R/W: $474 Const: $12,452	PA&ED: $2,770 PS&E: $2,979 R/W Sup: $183 Con Sup: $3,498	18-19 20-21 20-21 21-22	PA&ED: 10/1/2020 R/W Cert: 4/1/2022 RTL: 5/1/2022 Begin Con: 12/1/2022
			Subtotal: $12,926	$9,430		
			Total Project Cost:	**$22,356**		
New			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 868.0 Linear feet			
01-Mendocino-101 R106.4/T106.8 4627 0116000015	Near Piercy, at South Fork Eel River Bridge No. 10-0218 (PM R106.57); also in Humboldt County (PM T0.0 to T0.1). Seismic bridge retrofit, bridge rail upgrade, restripe for wider shoulders and bicycle access, and upgrade deck drainage.	0F510 2021-22	R/W: $26 Const: $3,605	PA&ED: $739 PS&E: $1,028 R/W Sup: $248 Con Sup: $1,278	18-19 20-21 20-21 21-22	PA&ED: 10/1/2020 R/W Cert: 1/1/2022 RTL: 1/15/2022 Begin Con: 6/1/2022
			Subtotal: $3,631	$3,293		
			Total Project Cost:	**$6,924**		
New			**Program Code** 201.113 Bridge Seismic Restoration **Performance Measure** 1 Bridge(s)			
01-Mendocino-162 8.2 4692 0117000223	Near Longvale, from 8.2 miles to 8.3 miles east of Route 101 at Eel River Bridge No. 10-0236. Bridge seismic retrofit.	0A131 2021-22	R/W: $618 Const: $6,383	PA&ED: $737 PS&E: $1,295 R/W Sup: $127 Con Sup: $4,179	18-19 20-21 20-21 21-22	PA&ED: 10/1/2020 R/W Cert: 12/30/2021 RTL: 1/15/2022 Begin Con: 6/1/2022
			Subtotal: $7,001	$6,338		
			Total Project Cost:	**$13,339**		
New			**Program Code** 201.113 Bridge Seismic Restoration **Performance Measure** 1 Bridge(s)			

2018 SHOPP Project List
Mendocino
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
01-Mendocino-1 0.0/15.0 4626 0116000008	In and near Point Arena, from Sonoma County line to 0.1 mile south of Mill Street. Pavement rehabilitation.	0F440 2019-20	R/W: $15 Const: $12,585	PA&ED: $623 PS&E: $704 R/W Sup: $85 Con Sup: $2,590	Prior 18-19 18-19 19-20	PA&ED: 12/1/2018 R/W Cert: 9/17/2019 RTL: 10/1/2019 Begin Con: 3/15/2020
			Subtotal: $12,600	$4,002		
			Total Project Cost:	**$16,602**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 31.4 Lane mile(s)			
01-Mendocino-1 62.1/78.9 0154T 0116000031	In and near Fort Bragg, from Pudding Creek Bridge to 0.6 mile north of Wages Creek Bridge. Pavement rehabilitation.	36270 2018-19	R/W: $1 Const: $13,582	PA&ED: $336 PS&E: $501 R/W Sup: $36 Con Sup: $657	Prior 18-19 18-19 18-19	PA&ED: 9/1/2018 R/W Cert: 5/1/2019 RTL: 5/15/2019 Begin Con: 10/1/2019
			Subtotal: $13,583	$1,530		
			Total Project Cost:	**$15,113**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 32.9 Lane mile(s)			
01-Mendocino-101 R0.1/R9.6 4442 0116000024	Near Hopland, from 0.7 mile south of Geysers Road to Hopland Overhead. Pavement rehabilitation.	46630 2018-19	R/W: $1 Const: $13,289	PA&ED: $362 PS&E: $635 R/W Sup: $4 Con Sup: $1,724	Prior 18-19 18-19 18-19	PA&ED: 9/1/2018 R/W Cert: 5/1/2019 RTL: 5/15/2019 Begin Con: 10/1/2019
			Subtotal: $13,290	$2,725		
			Total Project Cost:	**$16,015**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 36.2 Lane mile(s)			
01-Mendocino-1 42.3/42.5 4616 0115000048	Near Albion, at Navarro Ridge Road. Improve drainage, repair erosion, widen shoulders, and repair roadway.	0E940 2019-20	R/W: $168 Const: $1,102	PA&ED: $415 PS&E: $405 R/W Sup: $67 Con Sup: $370	Prior 18-19 18-19 19-20	PA&ED: 12/14/2018 R/W Cert: 2/28/2020 RTL: 3/13/2020 Begin Con: 8/1/2020
			Subtotal: $1,270	$1,257		
			Total Project Cost:	**$2,527**		
Carryover			**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 1 Location(s)			

2018 SHOPP Project List
Mendocino

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADSIDE PRESERVATION						
01-Mendocino-1 6.8/87.9 4693 0117000222	Near Point Arena and Fort Bragg, from 0.6 mile north of Haven Neck Drive to 0.1 mile north of South Fork Cotteneva Creek Bridge. Advance mitigation credit purchases (14 credits) for future SHOPP construction projects expected to impact wetlands.	0H440 2018-19	R/W: $8,820 Const:	PA&ED: $57 PS&E: $1,700 R/W Sup: $7 Con Sup:	Prior Prior Prior	PA&ED: 4/15/2018 R/W Cert: 3/1/2019 RTL: 7/1/2019 Begin Con: 10/1/2019
			Subtotal: $8,820	$1,764		
			Total Project Cost:	**$10,584**		
Carryover			**Program Code** 201.240 Roadside Enhancement **Performance Measure** 7 Location(s)			
01-Mendocino-1 18.5/71.4 4699 0118000077	Near Manchester and Fort Bragg, from Garcia River Bridge to 0.1 mile north of Abalobadiah Creek. Advance mitigation credit purchases (7 credits) for future SHOPP construction projects expected to impact sensitive streams.	0H441 2018-19	R/W: $4,410 Const:	PA&ED: $29 PS&E: $850 R/W Sup: $3 Con Sup:	Prior Prior Prior	PA&ED: 4/15/2018 R/W Cert: 8/1/2019 RTL: 6/15/2019 Begin Con: 10/15/2019
			Subtotal: $4,410	$882		
			Total Project Cost:	**$5,292**		
Carryover			**Program Code** 201.240 Roadside Enhancement **Performance Measure** 4 Location(s)			

Mendocino County

R/W:	$39,322	PA&ED:	$35,223
Const:	$265,797	PS&E:	$42,370
		R/W Sup:	$5,683
		Con Sup:	$63,374
Subtotal:	$305,119		$146,650
Total (Capital + Support):			**$451,769**

2018 SHOPP Project List
Merced
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
10-Merced-140 0.0/42.1 3018 1013000108	Near the city of Merced at various locations, from Route 5 to 6 miles east of the city of Merced. Upgrade metal beam guardrails	0Y110 2019-20	R/W: Const:	$794 $4,334	PA&ED: PS&E: R/W Sup: Con Sup:	$1,442 $1,168 $280 $1,187	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	11/17/2017 11/1/2019 11/15/2019 5/29/2020
			Subtotal:	$5,128		$4,077			
			Total Project Cost:			**$9,205**			
Carryover			**Program Code**	201.015	Collision Severity Reduction				
			Performance Measure	49	Collision(s) reduced				
10-Merced-140 2.3/49.0 3074 1013000243	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 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	PA&ED: R/W Cert: RTL: Begin Con:	11/1/2019 11/15/2021 2/1/2022 8/1/2022
			Subtotal:	$4,580		$3,472			
			Total Project Cost:			**$8,052**			
New			**Program Code**	201.015	Collision Severity Reduction				
			Performance Measure	39	Collision(s) reduced				
10-Merced-152 14.1/R40.7 3740 1017000043	In and near Los Banos, from 0.3 mile east of Route 5 to 0.2 mile west of Route 59. Upgrade guardrail to make standard.	1C370 2020-21	R/W: Const:	$13 $2,598	PA&ED: PS&E: R/W Sup: Con Sup:	$650 $939 $12 $745	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	2/7/2020 8/26/2020 5/4/2021 11/30/2021
			Subtotal:	$2,611		$2,346			
			Total Project Cost:			**$4,957**			
New			**Program Code**	201.015	Collision Severity Reduction				
			Performance Measure	25	Collision(s) reduced				
MANDATES									
10-Merced-165 8.5/10.6 3149 1013000002	In Los Banos, from 0.3 mile south of Route 152 to Dove Street at various locations. Upgrade Americans with Disabilities Act (ADA) facilities.	0X520 2019-20	R/W: Const:	$1,280 $968	PA&ED: PS&E: R/W Sup: Con Sup:	$347 $477 $1,280 $505	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/5/2017 3/16/2020 4/20/2020 12/1/2020
			Subtotal:	$2,248		$2,609			
			Total Project Cost:			**$4,857**			
Carryover			**Program Code**	201.361	Americans with Disabilities Act New Curb Ramps				
			Performance Measure	100	Curb ramp(s)				

2018 SHOPP Project List
Merced
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
BRIDGE PRESERVATION						
10-Merced-152 3122 1012000316	In Merced County, on Routes 152, 140, and 59 at various locations. Seismic retrofit and bridge rail upgrade of seven bridges.	0G830 2019-20	R/W: $416 Const: $6,530	PA&ED: $982 PS&E: $649 R/W Sup: $19 Con Sup: $1,984	Prior 18-19 18-19 19-20	PA&ED: 1/2/2019 R/W Cert: 2/7/2020 RTL: 2/21/2020 Begin Con: 9/1/2020
			Subtotal: $6,946	$3,634		
			Total Project Cost:	**$10,580**		
Carryover			**Program Code** 201.113 Bridge Seismic Restoration **Performance Measure** 7 Bridge(s)			
10-Merced-5 3102 1015000038	In Merced, San Joaquin, Mariposa and Stanislaus Counties, on various routes at various locations. Scour mitigation and preventative structural maintenance measures at thirteen bridges.	1C810 2020-21	R/W: $1,894 Const: $2,100	PA&ED: $819 PS&E: $950 R/W Sup: $542 Con Sup: $1,100	Prior 18-19 18-19 20-21	PA&ED: 7/2/2018 R/W Cert: 12/1/2020 RTL: 12/18/2020 Begin Con: 7/23/2021
			Subtotal: $3,994	$3,411		
			Total Project Cost:	**$7,405**		
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 13 Bridge(s)			
ROADWAY PRESERVATION						
10-Merced-99 R12.7/17.6 3089 1014000144	In and near the city of Merced, from south of Childs Avenue to south of Franklin Road. Roadway rehabilitation. (G13 Contingency)	1C170 2019-20	R/W: $95 * Const: $46,000	PA&ED: $1,600 PS&E: $3,700 R/W Sup: $122 * Con Sup: $12,400	Prior Prior Prior 19-20	PA&ED: 4/2/2018 R/W Cert: 4/15/2020 RTL: 5/15/2020 Begin Con: 11/13/2020
			Subtotal: $46,095	$17,822		
			Total Project Cost:	**$63,917**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 19.6 Lane mile(s)			
10-Merced-99 20.1/24.3 5431 1013000259	In and near Atwater, from 0.4 mile south of Buhach Road to south of Westside Boulevard. Roadway rehabilitation.	3A720 2018-19	R/W: $3,369 Const: $60,600	PA&ED: $1,973 PS&E: $5,200 R/W Sup: $677 Con Sup: $10,000	Prior 18-19 18-19 18-19	PA&ED: 11/3/2017 R/W Cert: 6/14/2019 RTL: 6/21/2019 Begin Con: 2/14/2020
			Subtotal: $63,969	$17,850		
			Total Project Cost:	**$81,819**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 16.8 Lane mile(s)			

2018 SHOPP Project List
Merced
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
10-Merced-152 3139 1015000005	In Merced County on Routes 152, 59, and 99 and in San Joaquin County on Routes 5 and 12, at various locations. Rehabilitate culverts.	0S120 2019-20	R/W: Const:	$151 $1,768	PA&ED: PS&E: R/W Sup: Con Sup:	$622 $743 $124 $765	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	6/4/2018 4/1/2019 5/1/2019 1/3/2020
			Subtotal:	$1,919		$2,254			
			Total Project Cost:			**$4,173**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	16 Culvert(s) (ea)					

MOBILITY

10-Merced-152 11.3 3214 1017000005	Near Los Banos, at Route 33 Interchange; also on Route 5 (PM 6.3) at Route 165 Interchange. Improve the truck turn radius.	0T680 2021-22	R/W: Const:	$274 $2,216	PA&ED: PS&E: R/W Sup: Con Sup:	$495 $850 $64 $630	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	5/15/2020 11/15/2021 12/1/2021 6/15/2022
			Subtotal:	$2,490		$2,039			
			Total Project Cost:			**$4,529**			
New			**Program Code**	201.310 Operational Improvements					
			Performance Measure	48 Daily vehicle hour(s) of delay (DVHD)					

ROADSIDE PRESERVATION

10-Merced-5 0.4/0.8 3215 1016000046	Near Los Banos and Firebaugh, at the John "Chuck" Erreca Safety Roadside Rest Area (SRRA). Upgrade northbound and southbound SRRA facilities.	1C790 2021-22	R/W: Const:	$5 $16,700	PA&ED: PS&E: R/W Sup: Con Sup:	$925 $2,970 $10 $3,150	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	8/12/2019 1/15/2021 8/2/2021 2/11/2022
			Subtotal:	$16,705		$7,055			
			Total Project Cost:			**$23,760**			
New			**Program Code**	201.250 Safety Roadside Rest Area Restoration					
			Performance Measure	2 Location(s)					

MULTIPLE OBJECTIVE

10-Merced-5 0.4/0.9 3209A 1018000067	At northbound and southbound John "Chuck" Erreca Safety Roadside Rest Area (SRRA) and in San Joaquin County on Route 99 at Lodi Park-and-Ride lot. Transportation infrastructure improvement for zero-emission vehicle charging.	1G721 2018-19	R/W: Const:	$4 $1,605	PA&ED: PS&E: R/W Sup: Con Sup:	 $284 $9 $302	 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	1/30/2018 9/4/2018 10/1/2018 4/8/2019
			Subtotal:	$1,609		$595			
			Total Project Cost:			**$2,204**			
New			**Program Code**	201.999 MULTIPLE OBJECTIVE					
			Performance Measure	3 Location(s)					

2018 SHOPP Project List
Merced
($1,000)

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

Merced County

R/W:	$8,650	PA&ED:	$11,134
Const:	$149,644	PS&E:	$18,699
		R/W Sup:	$3,391
		Con Sup:	$33,940
Subtotal:	$158,294		$67,164
Total (Capital + Support):			**$225,458**

2018 SHOPP Project List
Modoc

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
02-Modoc-299 51.9/52.5 3607 0215000150	Near Cedarville, from 0.6 mile west of Cedar Pass Ski Tow Road to Cedar Pass Ski Tow Road. Curve improvement.	1H330 2018-19	R/W: Const:	$15 $3,214	PA&ED: PS&E: R/W Sup: Con Sup:	$580 $680 $90 $840	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	9/19/2017 5/4/2018 6/4/2018 9/18/2018
			Subtotal:	$3,229		$2,190			
			Total Project Cost:			**$5,419**			
			Program Code		201.010 Safety Improvements				
Carryover			**Performance Measure**		18 Collision(s) reduced				

Modoc County

R/W:	$15	PA&ED:	$580
Const:	$3,214	PS&E:	$680
		R/W Sup:	$90
		Con Sup:	$840
Subtotal:	$3,229		$2,190
Total (Capital + Support):			**$5,419**

2018 SHOPP Project List
Mono
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
09-Mono-395 6.9/9.6 0662 0914000003	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 2020-21	R/W: $368 Const: $13,740	PA&ED: $922 PS&E: $2,037 R/W Sup: $485 Con Sup: $2,799	Prior 18-19 18-19 20-21	PA&ED: 8/27/2018 R/W Cert: 6/30/2020 RTL: 6/30/2020 Begin Con: 10/7/2020
			Subtotal: $14,108	$6,243		
			Total Project Cost:	**$20,351**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 33 Collision(s) reduced			
09-Mono-395 58.2/60.2 2624 0916000006	Near Lee Vining, from Route 167 Junction to 0.2 mile north of Conway Ranch Road. Widen shoulders, install shoulder rumble strip, correct compound curve, and improve chain control area.	36640 2021-22	R/W: $506 Const: $5,490	PA&ED: $520 PS&E: $830 R/W Sup: $590 Con Sup: $1,440	18-19 19-20 19-20 21-22	PA&ED: 4/1/2020 R/W Cert: 4/1/2022 RTL: 4/1/2022 Begin Con: 10/1/2022
			Subtotal: $5,996	$3,380		
			Total Project Cost:	**$9,376**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 60 Collision(s) reduced			
09-Mono-395 88.4/91.6 2600 0912000033	Near Bridgeport, from north of Devils Gate Summit to Burcham Flat Road. Widen shoulders and add rumble strip.	34940 2018-19	R/W: $1,299 Const: $7,352	PA&ED: $2,170 PS&E: $1,280 R/W Sup: $350 Con Sup: $1,729	Prior Prior Prior 18-19	PA&ED: 5/3/2017 R/W Cert: 10/31/2018 RTL: 10/31/2018 Begin Con: 4/29/2019
			Subtotal: $8,651	$5,529		
			Total Project Cost:	**$14,180**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 50 Collision(s) reduced			
09-Mono-395 R2.2/R69.9 2616 0916000008	In Mono County, on Route 395 at various locations; also in Mono County, on Route 6 at approximately 7.0 miles north of Bishop (PM 7.0). Improve the chain control turnouts by widening and lengthening the pavement area, install lighting, improve signage, construct a median cross-over, and construct two new chain control turnouts.	36660 2020-21	R/W: $5 Const: $5,710	PA&ED: $260 PS&E: $300 R/W Sup: $10 Con Sup: $740	18-19 19-20 19-20 20-21	PA&ED: 11/1/2019 R/W Cert: 12/1/2020 RTL: 2/1/2021 Begin Con: 8/1/2021
			Subtotal: $5,715	$1,310		
			Total Project Cost:	**$7,025**		
New			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 13 Location(s)			

2018 SHOPP Project List
Mono
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
ROADSIDE PRESERVATION									
09-Mono-395	In Mono County, at various locations. Advance mitigation banking credits.	36670	R/W:	$600	PA&ED:	$200	Prior	PA&ED:	2/15/2019
		2019-20	Const:	$2,300	PS&E:	$200	18-19	R/W Cert:	5/15/2020
2621					R/W Sup:	$100	18-19	RTL:	6/26/2020
0916000009					Con Sup:	$150	19-20	Begin Con:	12/15/2020
			Subtotal:	$2,900		$650			
			Total Project Cost:			**$3,550**			
			Program Code		201.240	Roadside Enhancement			
Carryover			**Performance Measure**		11	Location(s)			

Mono County

R/W:	$2,778	PA&ED:	$4,072
Const:	$34,592	PS&E:	$4,647
		R/W Sup:	$1,535
		Con Sup:	$6,858
Subtotal:	$37,370		$17,112
Total (Capital + Support):			**$54,482**

2018 SHOPP Project List
Monterey
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
05-Monterey-Var 2595 0514000140	In Monterey, Santa Cruz and San Benito Counties, on various routes at various locations. Replace and install advance curve warning signs.	1G310 2018-19	R/W: $48 Const: $1,852	PA&ED: $754 PS&E: $1,044 R/W Sup: $35 Con Sup: $552	Prior 18-19 18-19 18-19	PA&ED: 7/3/2018 R/W Cert: 4/29/2019 RTL: 5/1/2019 Begin Con: 10/11/2019
			Subtotal: $1,900	$2,385		
			Total Project Cost:	**$4,285**		
Carryover			**Program Code**	201.015 Collision Severity Reduction		
			Performance Measure	1107 Collision(s) reduced		
05-Monterey-101 R41.5/49.8 2312Y 0516000125	In and near King City, from 0.1 mile south of Broadway Street to 0.1 mile north of Broadway Street and from Jolon Road to 0.2 mile north of Jolon Road. Landscape mitigation.	0T991 2019-20	R/W: Const: $816	PA&ED: PS&E: $344 R/W Sup: Con Sup: $483	 18-19 19-20	PA&ED: 1/29/2015 R/W Cert: 9/9/2019 RTL: 4/24/2020 Begin Con: 11/30/2020
			Subtotal: $816	$827		
			Total Project Cost:	**$1,643**		
Carryover			**Program Code**	201.015 Collision Severity Reduction		
			Performance Measure	0 Location(s)		
05-Monterey-101 87.4/87.8 2635 0516000018	In and near Salinas, from 0.1 mile north of East Market Street to 0.1 mile south of Sherwood Drive. Lengthen the onramp to improve merging conflicts.	1H050 2021-22	R/W: $5 Const: $4,750	PA&ED: $700 PS&E: $1,900 R/W Sup: $190 Con Sup: $2,000	18-19 19-20 19-20 21-22	PA&ED: 7/1/2019 R/W Cert: 4/23/2021 RTL: 8/6/2021 Begin Con: 2/23/2022
			Subtotal: $4,755	$4,790		
			Total Project Cost:	**$9,545**		
New			**Program Code**	201.015 Collision Severity Reduction		
			Performance Measure	3 Collision(s) reduced		
05-Monterey-101 2633 0516000013	Near Bradley, at Camp Roberts Safety Roadside Rest Area (SRRA). Upgrade northbound and southbound SRRA facilities.	1H020 2019-20	R/W: $6 Const: $4,873	PA&ED: PS&E: $1,763 R/W Sup: $29 Con Sup: $1,240	 18-19 18-19 19-20	PA&ED: 6/15/2017 R/W Cert: 12/2/2019 RTL: 4/1/2020 Begin Con: 11/12/2020
			Subtotal: $4,879	$3,032		
			Total Project Cost:	**$7,911**		
New			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	4 Location(s)		

2018 SHOPP Project List
Monterey
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
05-Monterey-101 73.0/96.8 2571 0514000073	In Monterey and San Benito counties from north of North Gonzalez Overcrossing to the Santa Clara County line. Roadside safety improvements.	1F900 2019-20	R/W: $456 Const: $4,368	PA&ED: $715 PS&E: $1,216 R/W Sup: $175 Con Sup: $1,355	Prior Prior Prior 19-20	PA&ED: 4/13/2018 R/W Cert: 12/10/2019 RTL: 12/24/2019 Begin Con: 6/15/2020
			Subtotal: $4,824	$3,461		
			Total Project Cost:	**$8,285**		
Carryover			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	52 Location(s)		

MANDATES

05-Monterey-68 0.5/0.8 2647 0516000041	In Pacific Grove, from 17 Mile Drive to Congress Avenue. Construct Americans with Disabilities Act (ADA) compliant pathway along eastbound Route 68, upgrade curb ramps and sidewalk to meet ADA Standards. Relocate streetlight pole and signs, remove and replant trees.	1H220 2021-22	R/W: $20 Const: $755	PA&ED: $313 PS&E: $790 R/W Sup: $48 Con Sup: $586	18-19 19-20 19-20 21-22	PA&ED: 7/1/2019 R/W Cert: 4/1/2021 RTL: 8/2/2021 Begin Con: 2/22/2022
			Subtotal: $775	$1,737		
			Total Project Cost:	**$2,512**		
New			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps		
			Performance Measure	8 Curb ramp(s)		
05-Monterey-218 R0.2/L0.9 2648 0516000042	In Seaside, from El Monte Road to Fremont Boulevard. Construct new sidewalks/upgrade pedestrian pathway and construct/upgrade curb ramps to meet current standards.	1H230 2021-22	R/W: $356 Const: $1,122	PA&ED: $630 PS&E: $1,269 R/W Sup: $1,016 Con Sup: $547	18-19 19-20 19-20 21-22	PA&ED: 7/1/2019 R/W Cert: 7/1/2021 RTL: 10/1/2021 Begin Con: 4/22/2022
			Subtotal: $1,478	$3,462		
			Total Project Cost:	**$4,940**		
New			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps		
			Performance Measure	7 Curb ramp(s)		

BRIDGE PRESERVATION

05-Monterey-1 63.0 2654 0516000077	Near Carmel-By-The Sea, at Garrapata Creek No. 44-0018. Rehabilitate bridge to extend the service life and mitigate corrosion by applying Electrochemical Chloride Extraction (ECE) process and waterproofing to the structure.	1H460 2020-21	R/W: Const: $7,400	PA&ED: $700 PS&E: $1,500 R/W Sup: $90 Con Sup: $2,100	Prior 18-19 18-19 20-21	PA&ED: 4/18/2019 R/W Cert: 9/15/2020 RTL: 1/8/2021 Begin Con: 7/12/2021
			Subtotal: $7,400	$4,390		
			Total Project Cost:	**$11,790**		
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation		
			Performance Measure	1 Bridge(s)		

2018 SHOPP Project List
Monterey
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
05-Monterey-101 62.1/63.2 9700 0513000017	Near Soledad, from Route 146 to Front Street at the North Soledad Overhead No. 44-91R. Rehabilitate bridge.	0F970 2019-20	R/W: Const:	$1,578 $7,358	PA&ED: PS&E: R/W Sup: Con Sup:	$34 $2,006 $58 $1,535	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/2/2014 7/1/2019 11/1/2019 5/27/2020
			Subtotal:	$8,936		$3,633			
			Total Project Cost:			**$12,569**			
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation					
			Performance Measure	1 Bridge(s)					
05-Monterey-1 43.1/43.1 2656 0516000081	Near Big Sur, at the Castro Canon Bridge No. 44-0035. Upgrade bridge railing and approach railings to meet current standards.	1H490 2020-21	R/W: Const:	$41 $1,605	PA&ED: PS&E: R/W Sup: Con Sup:	$608 $1,345 $141 $762	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2019 12/1/2020 4/1/2021 12/1/2021
			Subtotal:	$1,646		$2,856			
			Total Project Cost:			**$4,502**			
New			**Program Code**	201.112 Bridge Rail Replacement and Upgrade					
			Performance Measure	542.0 Linear feet					
05-Monterey-156 R1.1/R2.1 0900A 0513000028	Near Castroville, from Route 183 to Castroville Boulevard. Upgrade bridge railing and widen overhead.	0A090 2019-20	R/W: Const:	$467 $5,050	PA&ED: PS&E: R/W Sup: Con Sup:	$70 $1,800 $130 $1,340	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/2/2014 7/5/2019 11/22/2019 5/27/2020
			Subtotal:	$5,517		$3,340			
			Total Project Cost:			**$8,857**			
Carryover			**Program Code**	201.112 Bridge Rail Replacement and Upgrade					
			Performance Measure	392.0 Linear feet					
05-Monterey-101 R6.7 2565 0514000064	Near Paso Robles, at San Antonio River Bridge No 44-0141L/R. Bridge seismic restoration.	1F820 2019-20	R/W: Const:	$841 $7,734	PA&ED: PS&E: R/W Sup: Con Sup:	$1,529 $1,800 $15 $2,236	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/7/2018 2/11/2020 4/29/2020 12/30/2020
			Subtotal:	$8,575		$5,580			
			Total Project Cost:			**$14,155**			
Carryover			**Program Code**	201.113 Bridge Seismic Restoration					
			Performance Measure	2 Bridge(s)					

2018 SHOPP Project List
Monterey
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
05-Monterey-1 39.8/74.6 2534 0514000046	In and near Big Sur and Carmel, from Torre Canyon Bridge to San Luis Avenue. Pavement rehabilitation.	1F680 2018-19	R/W: $31 Const: $24,335	PA&ED: $858 PS&E: $1,427 R/W Sup: $41 Con Sup: $2,828	Prior 18-19 18-19 18-19	PA&ED: 5/31/2018 R/W Cert: 5/28/2019 RTL: 6/11/2019 Begin Con: 1/2/2020
			Subtotal: $24,366	$5,154		
			Total Project Cost:	**$29,520**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 72.1 Lane mile(s)			
05-Monterey-68 1.1/L4.3 2631 0516000011	In and near Pacific Grove, from Forest Avenue to Route 1. Upgrade Americans with Disabilities Act (ADA) curb ramps, cold plane pavement and place Rubberized Hot Mix Asphalt (RHMA) pavement.	1H000 2020-21	R/W: $70 Const: $7,996	PA&ED: $482 PS&E: $1,638 R/W Sup: $312 Con Sup: $1,675	Prior 18-19 18-19 20-21	PA&ED: 2/26/2019 R/W Cert: 10/26/2020 RTL: 12/11/2020 Begin Con: 7/15/2021
			Subtotal: $8,066	$4,107		
			Total Project Cost:	**$12,173**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 6.5 Lane mile(s)			
05-Monterey-101 73.8/87.3 2540 0514000055	In and near Salinas, from north of North Gonzales Overcrossing to East Market Street. Pavement rehabilitation.	1F700 2018-19	R/W: $70 Const: $19,400	PA&ED: PS&E: $2,100 R/W Sup: $90 Con Sup: $2,300	 Prior Prior 18-19	PA&ED: 6/30/2016 R/W Cert: 4/4/2018 RTL: 10/29/2018 Begin Con: 5/8/2019
			Subtotal: $19,470	$4,490		
			Total Project Cost:	**$23,960**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 54.0 Lane mile(s)			
05-Monterey-101 R28.0/R30.6 2546 0514000049	Near King City, from south of Paris Valley Road Overcrossing to Rancho Undercrossing. Roadway rehabilitation.	1F740 2018-19	R/W: Const: $26,950	PA&ED: $11 PS&E: $1,820 R/W Sup: $42 Con Sup: $3,490	Prior Prior Prior 18-19	PA&ED: 7/1/2014 R/W Cert: 8/1/2018 RTL: 12/7/2018 Begin Con: 6/22/2020
			Subtotal: $26,950	$5,363		
			Total Project Cost:	**$32,313**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 10.5 Lane mile(s)			

2018 SHOPP Project List
Monterey
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
05-Monterey-101 R91.5/101.3 2679 0516000140	Near Salinas, from 0.4 mile south of Espinosa Road Undercrossing to San Benito County line. Reconstruct embankment, widen shoulders, improve drainage systems, upgrade barrier railing, cold plane pavement, place Rubberized Hot Mix Asphalt (RHMA) pavement and place Hot Mix Asphalt (HMA) to rehabilitate roadway. (G13 Contingency)	1H690 2021-22	R/W: $393 * Const: $104,000	PA&ED: $4,500 PS&E: $6,300 R/W Sup: $1,300 * Con Sup: $12,600	Prior 19-20 19-20 21-22	PA&ED: 9/3/2019 R/W Cert: 5/12/2021 RTL: 8/3/2021 Begin Con: 2/25/2022
			Subtotal: $104,393	$24,700		
			Total Project Cost:	**$129,093**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 49.0 Lane mile(s)			
05-Monterey-1 20.4 2230 0500020288	Near Lucia, at 0.6 mile south of Limekiln Creek Bridge. Replace culvert.	0Q500 2019-20	R/W: $23 Const: $1,527	PA&ED: $936 PS&E: $1,124 R/W Sup: $113 Con Sup: $575	Prior 18-19 18-19 19-20	PA&ED: 10/1/2018 R/W Cert: 10/28/2019 RTL: 2/3/2020 Begin Con: 6/1/2020
			Subtotal: $1,550	$2,748		
			Total Project Cost:	**$4,298**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 1 Culvert(s) (ea)			
05-Monterey-Var 2634 0516000015	In Monterey and Santa Cruz Counties, on various Routes and locations. Replace overhead signs.	1H040 2019-20	R/W: Const: $1,680	PA&ED: PS&E: $1,000 R/W Sup: $38 Con Sup: $537	 18-19 18-19 19-20	PA&ED: 6/9/2016 R/W Cert: 7/2/2019 RTL: 11/22/2019 Begin Con: 6/17/2020
			Subtotal: $1,680	$1,575		
			Total Project Cost:	**$3,255**		
New			**Program Code** 201.170 Signs and Lighting Rehabilitation **Performance Measure** 62 Sign(s)			
MOBILITY						
05-Monterey-Var 2735 0517000047	In various counties, on various routes and at various locations. Replace and upgrade existing detection field elements for the Traffic Management System (TMS).	1H990 2019-20	R/W: $21 Const: $3,200	PA&ED: $585 PS&E: $1,160 R/W Sup: $20 Con Sup: $465	Prior 18-19 18-19 19-20	PA&ED: 9/5/2018 R/W Cert: 1/3/2020 RTL: 4/1/2020 Begin Con: 11/6/2020
			Subtotal: $3,221	$2,230		
			Total Project Cost:	**$5,451**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 78 Field element(s)			

2018 SHOPP Project List
Monterey
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
05-Monterey-101 86.0/95.8 0064Q 0516000016	In and near Salinas, from 0.4 mile north of Airport Boulevard Overcrossing to 0.3 mile south of San Miguel Canyon Road Overcrossing. Install vehicle detection systems, Changeable Message Signs (CMS), cameras, and a vehicle pullout.	0N200 2018-19	R/W: Const:	$9 $1,500	PA&ED: PS&E: R/W Sup: Con Sup:	$260 $1,000 $45 $420	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	7/16/2018 1/11/2019 4/15/2019 9/16/2019
			Subtotal:	$1,509		$1,725			
			Total Project Cost:			**$3,234**			
			Program Code		201.315 Transportation Management Systems				
Carryover			**Performance Measure**		11 Field element(s)				

ROADSIDE PRESERVATION

05-Monterey-Var 2704 0517000040	In Santa Barbara, San Luis Obispo, Monterey and San Benito Counties, at various locations. Advance mitigation banking credits.	1H970 2018-19	R/W: Const:	$2,919	PA&ED: PS&E: R/W Sup: Con Sup:	 $140 $80	 Prior Prior	PA&ED: R/W Cert: RTL: Begin Con:	6/9/2017
			Subtotal:	$2,919		$220			
			Total Project Cost:			**$3,139**			
			Program Code		201.240 Roadside Enhancement				
Carryover			**Performance Measure**		3 Location(s)				

MULTIPLE OBJECTIVE

05-Monterey-101 R3.1/R5.2 2705 0517000054	At Camp Roberts Safety Roadside Rest Areas; also in San Luis Obispo County on Route 46 at Shandon Safety Roadside Rest Area (SRRA) (PM 49.5). Transportation infrastructure improvement for zero-emission vehicle charging. (PA&ED, PS&E, R/W Sup Only)	1J040 2018-19	* R/W: * Const:	$5 $1,210	PA&ED: PS&E: R/W Sup: * Con Sup:	 $480 $18 $715	 Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	1/31/2017 10/24/2018 11/1/2018 3/20/2019
			Subtotal:	$1,215		$1,213			
			Total Project Cost:			**$2,428**			
			** Const, * R/W, * Con Sup phase(s) are NOT authorized*						
			Program Code		201.999 MULTIPLE OBJECTIVE				
Carryover			**Performance Measure**		3 Location(s)				
05-Monterey-183 R8.4/R9.8 2678 0516000118	In Castroville from Del Monte Avenue 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.	1H650 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	PA&ED: R/W Cert: RTL: Begin Con:	3/5/2020 4/14/2022 4/15/2022 10/26/2022
			Subtotal:	$15,600		$15,400			
			Total Project Cost:			**$31,000**			
			Program Code		201.999 MULTIPLE OBJECTIVE				
New			**Performance Measure**		1 Location(s)				

2018 SHOPP Project List
Monterey
($1,000)

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

Monterey County

R/W:	$9,659	PA&ED:	$16,285
Const:	$252,781	PS&E:	$37,966
		R/W Sup:	$10,626
		Con Sup:	$43,541
Subtotal:	$262,440		$108,418
Total (Capital + Support):			**$370,858**

2018 SHOPP Project List
Napa
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
04-Napa-29 11.4 1488P 0414000426	In Napa, at northbound ramps and 1st Street. Construct roundabout.	2J100 2018-19	R/W: $0 Const: $4,500	PA&ED: PS&E: $250 R/W Sup: Con Sup: $2,200	 Prior 18-19	PA&ED: 7/18/2016 R/W Cert: 4/15/2018 RTL: 4/15/2018 Begin Con: 2/22/2019
			Subtotal: $4,500	$2,450		
			Total Project Cost:	**$6,950**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 48 Collision(s) reduced			
04-Napa-121 0.5/1.0 0775G 0412000310	Near Napa, at Huichica Creek (PM 0.75). Roadway widening.	4G210 2019-20	R/W: $1,852 Const: $12,247	PA&ED: $1,750 PS&E: $1,530 R/W Sup: $90 Con Sup: $3,000	Prior Prior Prior 19-20	PA&ED: 3/30/2018 R/W Cert: 10/4/2019 RTL: 10/4/2019 Begin Con: 7/17/2020
			Subtotal: $14,099	$6,370		
			Total Project Cost:	**$20,469**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 0 Collision(s) reduced			
04-Napa-121 0.5/1.0 0775H 0418000217	Near Napa, at Huichica Creek (PM 0.75). Mitigation planting, monitoring and reporting for EA 04-4G210.	4G21A 2021-22	R/W: Const: $1,000	PA&ED: PS&E: R/W Sup: Con Sup: $900	 21-22	PA&ED: 3/30/2018 R/W Cert: 6/29/2022 RTL: 6/29/2022 Begin Con: 12/8/2022
			Subtotal: $1,000	$900		
			Total Project Cost:	**$1,900**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 0 Collision(s) reduced			
MANDATES						
04-Napa-29 33.1 1464K 0416000037	Near Calistoga, at 0.3 mile south of Bothe-Napa Valley State Park entrance at Ritchie Creek Bridge No. 21-0057. Replace bridge and provide financial contributions to improve fish passage barriers at the site and within the adjacent State Park for compliance unit credits towards Statewide National Pollutant Discharge Eliminating System (NPDES) permit mandate goals.	4J990 2021-22	R/W: $590 Const: $7,566	PA&ED: $1,820 PS&E: $1,300 R/W Sup: $167 Con Sup: $1,300	18-19 20-21 20-21 21-22	PA&ED: 10/1/2020 R/W Cert: 5/1/2022 RTL: 6/1/2022 Begin Con: 11/1/2022
			Subtotal: $8,156	$4,587		
			Total Project Cost:	**$12,743**		
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 70 Acre(s) treated/pollutant			

2018 SHOPP Project List
Napa
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
04-Napa-29 0.2/14.6 1496E 0416000040	In and near the cities of American Canyon and Napa, from Kimberly Drive to Salvador Avenue. Upgrade curb ramps and pedestrian push buttons, and install new sidewalk to make facilities compliant with Americans with Disabilities Act (ADA) requirements.	0K000 2021-22	R/W: Const:	$80 $989	PA&ED: PS&E: R/W Sup: Con Sup:	$275 $276 $92 $203	18-19 20-21 18-19 21-22	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2020 10/1/2021 1/2/2022 7/1/2022
			Subtotal:	$1,069		$846			
			Total Project Cost:			**$1,915**			
New			**Program Code**		201.361 Americans with Disabilities Act New Curb Ramps				
			Performance Measure		27 Curb ramp(s)				

BRIDGE PRESERVATION

04-Napa-121 18.6 1489K 0415000288	Near Napa, at Capell Creek Bridge No. 21 -0064. Bridge rehabilitation.	4J210 2019-20	R/W: Const:	$225 $2,440	PA&ED: PS&E: R/W Sup: Con Sup:	$490 $735 $100 $735	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/1/2018 3/1/2020 4/15/2020 10/30/2020
			Subtotal:	$2,665		$2,060			
			Total Project Cost:			**$4,725**			
Carryover			**Program Code**		201.110 Bridge Major Rehabilitation				
			Performance Measure		1 Bridge(s)				
04-Napa-128 5.1 1451C 0416000038	Near Rutherford, at Hopper Slough Bridge No. 20-0019. Replace bridge.	4J830 2021-22	R/W: Const:	$1,514 $7,864	PA&ED: PS&E: R/W Sup: Con Sup:	$2,074 $1,988 $206 $2,014	18-19 20-21 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2020 4/4/2022 5/2/2022 12/1/2022
			Subtotal:	$9,378		$6,282			
			Total Project Cost:			**$15,660**			
New			**Program Code**		201.110 Bridge Major Rehabilitation				
			Performance Measure		1 Bridge(s)				
04-Napa-29 37.0 0587M 0416000349	In Calistoga, at Napa River Bridge No. 21-0018. Environmental mitigation and plant establishment for bridge replacement project.	3G64A 2018-19	R/W: Const:	$85 $500	PA&ED: PS&E: R/W Sup: Con Sup:	 $640 $400 $150	 Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	2/9/2015 6/14/2019 6/28/2019 12/27/2019
			Subtotal:	$585		$1,190			
			Total Project Cost:			**$1,775**			
Carryover			**Program Code**		201.111 Bridge Scour Mitigation				
			Performance Measure		1 Bridge(s)				

2018 SHOPP Project List
Napa
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
04-Napa-29 14.1/19.0 1494E 0416000111	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 2021-22	R/W: $295 Const: $7,111 Subtotal: $7,406 **Total Project Cost:**	PA&ED: $2,600 PS&E: $1,200 R/W Sup: $350 Con Sup: $1,500 $5,650 **$13,056**	18-19 20-21 20-21 21-22	PA&ED: 6/30/2020 R/W Cert: 1/31/2022 RTL: 4/15/2022 Begin Con: 12/15/2022
New			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 682.0 Linear feet			
04-Napa-29 32.1/42.8 1482P 0415000003	In and near Saint Helena and Calistoga, at Mill Creek Bridge No. 21-0056, Garnett Creek Branch Bridge No. 21-0111, and No Name Creek Bridge No. 21-0100. Bridge preventive maintenance.	2J770 2019-20	R/W: $495 Const: $2,844 Subtotal: $3,339 **Total Project Cost:**	PA&ED: $900 PS&E: $710 R/W Sup: $236 Con Sup: $850 $2,696 **$6,035**	Prior 18-19 18-19 19-20	PA&ED: 9/1/2018 R/W Cert: 3/1/2020 RTL: 4/15/2020 Begin Con: 10/30/2020
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 3 Bridge(s)			
04-Napa-29 39.1 1483E 0415000021	Near Calistoga, at Garnett Creek Bridge No. 21 -0005. Bridge preventative maintenance.	2J880 2019-20	R/W: $317 Const: $1,100 Subtotal: $1,417 **Total Project Cost:**	PA&ED: $1,320 PS&E: $1,100 R/W Sup: $330 Con Sup: $1,100 $3,850 **$5,267**	Prior 18-19 18-19 19-20	PA&ED: 9/1/2018 R/W Cert: 3/1/2020 RTL: 4/15/2020 Begin Con: 10/30/2020
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 1 Bridge(s)			
ROADWAY PRESERVATION						
04-Napa-29 29.3/36.9 1490D 0415000320	In and near St. Helena and Calistoga, from York Creek Bridge to Route 128. Pavement rehabilitation.	4J300 2020-21	R/W: $20 Const: $9,647 Subtotal: $9,667 **Total Project Cost:**	PA&ED: $900 PS&E: $1,100 R/W Sup: $44 Con Sup: $1,100 $3,144 **$12,811**	Prior 19-20 19-20 20-21	PA&ED: 10/1/2019 R/W Cert: 10/1/2020 RTL: 11/2/2020 Begin Con: 6/30/2021
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 15.2 Lane mile(s)			

2018 SHOPP Project List
Napa
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
04-Napa-29 1.7/5.1 1453K 0415000343	In American Canyon, at Rio Del Mar; also near American Canyon at 0.3 mile south of North Kelly Road (PM 5.1). Rehabilitate culverts.	4J410 2021-22	R/W: Const:	$294 $3,336	PA&ED: PS&E: R/W Sup: Con Sup:	$1,086 $786 $350 $706	Prior 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	11/2/2020 5/2/2022 6/30/2022 1/11/2023
			Subtotal:	$3,630		$2,928			
			Total Project Cost:			**$6,558**			

Program Code 201.151 Drainage System Restoration

Carryover

Performance Measure 2 Culvert(s) (ea)

Napa County

R/W:	$5,767	PA&ED:	$13,215
Const:	$61,144	PS&E:	$11,615
		R/W Sup:	$2,365
		Con Sup:	$15,758
Subtotal:	$66,911		$42,953
Total (Capital + Support):			**$109,864**

2018 SHOPP Project List
Nevada
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
03-Nevada-20 25.8/45.7 4001 0318000129	In Nevada, El Dorado, Yuba, Placer, and Yolo Counties, on Routes 16, 20, 49, 50, 70, and 80 at various locations. Construct rumble strips.	4H030 2018-19	R/W: $3 Const: $927	PA&ED: $110 PS&E: $340 R/W Sup: $40 Con Sup: $400	Prior 18-19 18-19 18-19	PA&ED: 7/1/2018 R/W Cert: 1/4/2019 RTL: 2/5/2019 Begin Con: 7/5/2019
			Subtotal: $930	$890		
			Total Project Cost:	**$1,820**		
			Program Code	201.010 Safety Improvements		
Carryover			**Performance Measure**	117 Collision(s) reduced		
03-Nevada-20 29.7/30.9 3994 0315000116	Near Nevada City, from 0.1 mile east of White Cloud Campground to 0.9 mile west of Washington Road. Curve improvement, shoulder widening and improve clear recovery zone.	0H240 2019-20	R/W: $613 Const: $8,237	PA&ED: $1,096 PS&E: $976 R/W Sup: $291 Con Sup: $1,286	Prior 18-19 18-19 19-20	PA&ED: 2/1/2019 R/W Cert: 5/1/2020 RTL: 5/1/2020 Begin Con: 11/1/2020
			Subtotal: $8,850	$3,649		
			Total Project Cost:	**$12,499**		
			Program Code	201.010 Safety Improvements		
Carryover			**Performance Measure**	46 Collision(s) reduced		
03-Nevada-20 37.1/39.8 4000 0317000165	Near Emigrant Gap, from 0.3 mile west of Excelsior Point Road to 1.3 mile west of Zeibright Road. Curve improvement and widen shoulders.	2H620 2019-20	R/W: $1,380 Const: $27,480	PA&ED: $3,920 PS&E: $2,810 R/W Sup: $410 Con Sup: $3,480	Prior 18-19 18-19 19-20	PA&ED: 2/1/2019 R/W Cert: 4/15/2020 RTL: 5/15/2020 Begin Con: 11/15/2020
			Subtotal: $28,860	$10,620		
			Total Project Cost:	**$39,480**		
			Program Code	201.010 Safety Improvements		
Carryover			**Performance Measure**	52 Collision(s) reduced		
03-Nevada-174 2.7/4.7 4451 0314000152	Near Rollins Lake, from Maple Way to You Bet Road. Realign roadway curves.	4F370 2018-19	R/W: $2,503 Const: $17,000	PA&ED: $1,700 PS&E: $2,100 R/W Sup: $2,300 Con Sup: $3,200	Prior Prior Prior 18-19	PA&ED: 9/2/2016 R/W Cert: 2/1/2019 RTL: 2/1/2019 Begin Con: 7/1/2019
			Subtotal: $19,503	$9,300		
			Total Project Cost:	**$28,803**		
			Program Code	201.010 Safety Improvements		
Carryover			**Performance Measure**	72 Collision(s) reduced		

2018 SHOPP Project List
Nevada
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-Nevada-80 0.0/20.0 4288 0314000228	In and near Truckee, from east of Kingvale Undercrossing to west of Union Mills Bridge and Overhead. Replace guardrail with concrete barrier.	4F600 2018-19	R/W: Const:	$5 $12,308	PA&ED: PS&E: R/W Sup: Con Sup:	$410 $660 $30 $950	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	8/23/2017 10/15/2018 11/1/2018 4/1/2019
			Subtotal:	$12,313		$2,050			
			Total Project Cost:			**$14,363**			
Carryover			**Program Code**	201.015 Collision Severity Reduction					
			Performance Measure	24 Collision(s) reduced					
03-Nevada-80 R10.0/31.7 4297 0317000008	In and near Truckee, at various locations from 1.0 mile east of Donner Lake Undercrossing to the Sierra County line. Replace guardrail with concrete barrier at twenty-one locations to reduce maintenance repairs.	1H840 2020-21	R/W: Const:	$30 $3,200	PA&ED: PS&E: R/W Sup: Con Sup:	$120 $180 $30 $360	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/15/2019 10/1/2020 10/15/2020 4/15/2021
			Subtotal:	$3,230		$690			
			Total Project Cost:			**$3,920**			
New			**Program Code**	201.015 Collision Severity Reduction					
			Performance Measure	30 Collision(s) reduced					
MANDATES									
03-Nevada-174 9.7/10.1 4450 0313000047	In Grass Valley, from Park Street to Route 20. Upgrade pedestrian infrastructure to meet Americans with Disabilities Act (ADA) requirements.	3F680 2020-21	R/W: Const:	$150 $1,660	PA&ED: PS&E: R/W Sup: Con Sup:	$180 $330 $86 $360	Prior Prior Prior 20-21	PA&ED: R/W Cert: RTL: Begin Con:	6/1/2018 3/5/2021 3/15/2021 9/2/2021
			Subtotal:	$1,810		$956			
			Total Project Cost:			**$2,766**			
Carryover			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	86 Curb ramp(s)					
ROADWAY PRESERVATION									
03-Nevada-80 28.3/28.7 4293 0316000046	Near Truckee and Floriston, from 0.2 mile east of Truckee River Bridge to 0.8 mile west of Farad Road. Construct measures to address cut-slope erosion and rockfall.	1H010 2020-21	R/W: Const:	$90 $11,400	PA&ED: PS&E: R/W Sup: Con Sup:	$570 $1,150 $160 $1,020	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2019 9/15/2020 10/15/2020 4/1/2021
			Subtotal:	$11,490		$2,900			
			Total Project Cost:			**$14,390**			
New			**Program Code**	201.150 Roadway Protective Betterments					
			Performance Measure	1 Location(s)					

2018 SHOPP Project List
Nevada
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-Nevada-80 29.1/29.4 4287 0312000133	Near Truckee, from east of Floriston Road to west of Farad Undercrossing. Stabilize cut-slope.	3F250 2018-19	R/W: Const:	$200 $9,690	PA&ED: PS&E: R/W Sup: Con Sup:	$570 $840 $110 $1,110	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2018 5/15/2019 5/31/2019 11/30/2019
			Subtotal:	$9,890		$2,630			
			Total Project Cost:			**$12,520**			
Carryover			**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 1 Location(s)						
03-Nevada-80 29.5/29.7 4298 0317000044	Near Truckee and Floriston, from Farad Road to 2.17 mile west of Sierra County line. Mitigate rockfall and stabilize cut-slope erosion with draped mesh and a drainage ditch.	2H000 2020-21	R/W: Const:	$90 $3,400	PA&ED: PS&E: R/W Sup: Con Sup:	$440 $750 $280 $610	18-19 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	1/2/2019 10/1/2020 10/15/2020 4/15/2021
			Subtotal:	$3,490		$2,080			
			Total Project Cost:			**$5,570**			
New			**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 1 Location(s)						
03-Nevada-80 31.3/31.8 4299 0317000172	Near Truckee and Floriston, from 1.9 miles east of Farad Road to the Sierra County line. Construct mitigation measures to reduce rockfall onto the roadway.	2H690 2021-22	R/W: Const:	$30 $6,200	PA&ED: PS&E: R/W Sup: Con Sup:	$410 $890 $120 $1,080	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2019 10/1/2021 10/15/2021 5/1/2022
			Subtotal:	$6,230		$2,500			
			Total Project Cost:			**$8,730**			
New			**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 1 Location(s)						
03-Nevada-49 0.0/7.5 4124 0315000112	Near Higgins Corner, from the Placer County line to 0.3 mile north of Lime Kiln Road; also in Placer County, at PM R8.42 and PM R10.23. Rehabilitate drainage systems.	0H210 2021-22	R/W: Const:	$325 $3,257	PA&ED: PS&E: R/W Sup: Con Sup:	$513 $743 $547 $607	Prior 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	1/2/2020 10/1/2021 10/15/2021 4/15/2022
			Subtotal:	$3,582		$2,410			
			Total Project Cost:			**$5,992**			
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 24 Culvert(s) (ea)						

2018 SHOPP Project List
Nevada
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-Nevada-49 7.5/R14.4 4123 0315000113	In and near Grass Valley, from Lime Kiln Road to Route 20. Rehabilitate culverts.	0H220 2018-19	R/W: Const:	$80 $2,970	PA&ED: PS&E: R/W Sup: Con Sup:	$440 $550 $350 $590	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	8/31/2017 4/15/2019 4/30/2019 10/30/2019
			Subtotal:	$3,050		$1,930			
			Total Project Cost:			**$4,980**			
Carryover			**Program Code**		201.151 Drainage System Restoration				
			Performance Measure		38 Culvert(s) (ea)				

MOBILITY

03-Nevada-20 25.1/25.2 3997 0316000006	Near Nevada City and Emigrant Gap, at west of Pine Needle Way (PM 25.15), and at west of Last Chance Mine Road (PM 37.05); also in Placer County, on Route 193 near Newcastle, at various locations from PM 6.7 to 8.5. Operational improvements to upgrade or construct roadway turnouts at five locations.	0H690 2020-21	R/W: Const:	$110 $1,280	PA&ED: PS&E: R/W Sup: Con Sup:	$170 $280 $120 $460	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/1/2019 9/1/2020 10/1/2020 4/1/2021
			Subtotal:	$1,390		$1,030			
			Total Project Cost:			**$2,420**			
New			**Program Code**		201.310 Operational Improvements				
			Performance Measure		20 Daily vehicle hour(s) of delay (DVHD)				
03-Nevada-20 28.0/32.4 3996 0316000004	Near Nevada City and Junction House, from east of Conservation Road (Washington Ridge Road) to east of Washington Road. Operational improvements to widen for left-turn pockets and roadway turnouts.	0H660 2020-21	R/W: Const:	$90 $1,900	PA&ED: PS&E: R/W Sup: Con Sup:	$340 $470 $60 $530	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	2/1/2020 2/1/2021 3/1/2021 8/1/2021
			Subtotal:	$1,990		$1,400			
			Total Project Cost:			**$3,390**			
New			**Program Code**		201.310 Operational Improvements				
			Performance Measure		20 Daily vehicle hour(s) of delay (DVHD)				
03-Nevada-20 36.8/37.0 3999 0317000005	Near Bear Valley and Emigrant Gap, from 2.0 miles east of Chalk Bluff Road to 0.2 mile west of Excelsior Point Road. Operational improvement to make existing roadway turnout standard width with shoulders.	1H810 2020-21	R/W: Const:	$20 $1,900	PA&ED: PS&E: R/W Sup: Con Sup:	$340 $530 $140 $410	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2019 10/1/2020 10/15/2020 4/15/2021
			Subtotal:	$1,920		$1,420			
			Total Project Cost:			**$3,340**			
New			**Program Code**		201.310 Operational Improvements				
			Performance Measure		10 Daily vehicle hour(s) of delay (DVHD)				

2018 SHOPP Project List
Nevada
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-Nevada-49 4125 0315000166	In various counties on various routes at various locations. Repair and install vehicle census count stations.	0H420 2019-20	R/W: Const:	$30 $9,200	PA&ED: PS&E: R/W Sup: Con Sup:	$1,000 $1,000 $180 $1,800	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	1/1/2018 9/1/2019 10/1/2019 4/15/2020
			Subtotal:	$9,230		$3,980			
			Total Project Cost:			**$13,210**			

Program Code 201.315 Transportation Management Systems

Carryover **Performance Measure** 470 Field element(s)

Nevada County

R/W:	$5,749	PA&ED:	$12,329
Const:	$122,009	PS&E:	$14,599
		R/W Sup:	$5,254
		Con Sup:	$18,253
Subtotal:	$127,758		$50,435
Total (Capital + Support):			**$178,193**

2018 SHOPP Project List
Orange
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
12-Orange-1 24.9 2527 1214000116	In Huntington Beach, at 6th Street; also in Seal Beach at Seal Beach Boulevard (PM 32.7). Modify traffic signals and install additional lighting.	0N850 2018-19	R/W: $172 Const: $960	PA&ED: $150 PS&E: $412 R/W Sup: $750 Con Sup: $490	Prior Prior Prior 18-19	PA&ED: 1/22/2018 R/W Cert: 6/5/2019 RTL: 6/15/2019 Begin Con: 12/11/2019
			Subtotal: $1,132	$1,802		
			Total Project Cost:	**$2,934**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 47 Collision(s) reduced			
12-Orange-1 27.0/29.9 2470A 1216000120	In Huntington Beach, from Seapoint Street to Warner Avenue at Boisa Chica State Beach. Construct rumble strips and install outer separation barrier in southbound direction.	0Q280 2019-20	R/W: Const: $1,148	PA&ED: $515 PS&E: $605 R/W Sup: Con Sup: $492	Prior 18-19 19-20	PA&ED: 12/15/2018 R/W Cert: 1/15/2020 RTL: 1/30/2020 Begin Con: 6/1/2020
			Subtotal: $1,148	$1,612		
			Total Project Cost:	**$2,760**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 2 Collision(s) reduced			
12-Orange-5 37.3/37.4 2861F 1216000123	In Anaheim, on the northbound Harbor Boulevard offramp; also on the southbound Harbor Boulevard onramp. Modify traffic signal system and apply High Friction Surface Treatment (HFST).	0Q300 2018-19	R/W: $18 Const: $1,432	PA&ED: PS&E: $1,285 R/W Sup: Con Sup: $493	 Prior 18-19	PA&ED: 6/16/2017 R/W Cert: 5/3/2019 RTL: 6/5/2019 Begin Con: 11/15/2019
			Subtotal: $1,450	$1,778		
			Total Project Cost:	**$3,228**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 38 Collision(s) reduced			
12-Orange-22 R6.9 2930 1216000070	In Garden Grove, at westbound on ramp from Euclid Street. Overlay with Open Graded Friction Course (OGFC).	0P980 2018-19	R/W: Const: $559	PA&ED: PS&E: $381 R/W Sup: Con Sup: $327	 Prior 18-19	PA&ED: 6/16/2017 R/W Cert: 7/2/2018 RTL: 8/1/2018 Begin Con: 4/3/2019
			Subtotal: $559	$708		
			Total Project Cost:	**$1,267**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 17 Collision(s) reduced			

2018 SHOPP Project List
Orange
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
12-Orange-22 R9.4/R10.1 2981 1215000137	In the cities of Orange and Santa Ana, from Lewis Street Overcrossing to east of Bristol Street Undercrossing; also on Route 57, from PM 10.9/11.9. Replace concrete median barrier and add lighting in median.	0P520 2019-20	R/W: Const:	$5 $3,815	PA&ED: PS&E: R/W Sup: Con Sup:	$591 $1,247 $1,257	Prior 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	8/7/2018 2/1/2020 3/2/2020 11/2/2020
			Subtotal:	$3,820		$3,095			
			Total Project Cost:			**$6,915**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		36 Collision(s) reduced				
12-Orange-39 5.1/8.1 3167 1215000022	In Huntington Beach, Westminster and Garden Grove, at the intersections of Heil Avenue (PM 5.14), MacDonald Street (PM 5.30) and Trask Avenue (PM 8.14); also on Route 90 in Brea at the intersection of Castlegate Lane/Placentia Avenue (PM 5.93). Modify existing signals and lighting and upgrade Americans with Disabilities Act (ADA) facilities to current standards.	0P010 2018-19	R/W: Const:	$364 $2,500	PA&ED: PS&E: R/W Sup: Con Sup:	$500 $750 $420 $820	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	12/5/2017 6/3/2019 6/7/2019 12/2/2019
			Subtotal:	$2,864		$2,490			
			Total Project Cost:			**$5,354**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		141 Collision(s) reduced				
12-Orange-39 19.4 3279 1216000122	In the city of La Habra, at Fashion Square Lane. Modify traffic signal and add lighting.	0Q290 2018-19	R/W: Const:	$10 $820	PA&ED: PS&E: R/W Sup: Con Sup:	$185 $575 $400	Prior 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2018 5/1/2019 6/1/2019 12/1/2019
			Subtotal:	$830		$1,160			
			Total Project Cost:			**$1,990**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		25 Collision(s) reduced				
12-Orange-55 10.7 3510 1214000073	In Tustin, on the 4th Street northbound offramp. Modify traffic signals and install additional lighting.	0N630 2018-19	R/W: Const:	$11 $646	PA&ED: PS&E: R/W Sup: Con Sup:	$100 $427 $318	Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	12/2/2017 2/1/2019 3/1/2019 6/11/2019
			Subtotal:	$657		$845			
			Total Project Cost:			**$1,502**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		11 Collision(s) reduced				

2018 SHOPP Project List
Orange
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
12-Orange-73 16.8/17.1 4096P 1214000115	In Laguna Beach, on southbound Route 73, from Route 133 to 0.2 mile north of Route 133. Modify superelevation, install drainage inlets, place Open Graded Asphalt Concrete (OGAC) and place pavement delineation.	0N840 2018-19	R/W: Const: $980	PA&ED: PS&E: $637 R/W Sup: Con Sup: $410	 Prior 18-19	PA&ED: 3/21/2017 R/W Cert: 11/15/2018 RTL: 12/10/2018 Begin Con: 7/29/2019
			Subtotal: $980	$1,047		
			Total Project Cost:	**$2,027**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 57 Collision(s) reduced			
12-Orange-73 24.0 4096R 1214000123	In Newport Beach, on the Route 73 southbound off-ramp to MacArthur Boulevard. Widen ramp, install traffic signal and guardrail.	0N860 2019-20	R/W: $388 Const: $7,347	PA&ED: $500 PS&E: $1,500 R/W Sup: $130 Con Sup: $1,531	Prior Prior Prior 19-20	PA&ED: 3/1/2018 R/W Cert: 2/3/2020 RTL: 2/28/2020 Begin Con: 12/1/2020
			Subtotal: $7,735	$3,661		
			Total Project Cost:	**$11,396**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 82 Collision(s) reduced			
12-Orange-74 2.9/5.1 4124B 1214000104	Near San Juan Capistrano, from east of Antonio Parkway/La Pata Avenue to west of Conrock entrance. Landscape and plant establishment project.	0L722 2018-19	R/W: $20 Const: $850	PA&ED: PS&E: $400 R/W Sup: Con Sup: $620	 Prior 18-19	PA&ED: 4/1/2018 R/W Cert: 8/1/2018 RTL: 12/30/2018 Begin Con: 9/1/2019
			Subtotal: $870	$1,020		
			Total Project Cost:	**$1,890**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 8 Collision(s) reduced			
12-Orange-74 11.5/16.6 4218 1215000024	In the Cleveland National Forest, from 0.9 mile west of San Juan Fire Station to the Orange/Riverside County line. Super elevation corrections, shoulder widening, Open Graded Asphalt Concrete (OGAC) overlay and apply High Friction Surface Treatment (HFST).	0P030 2019-20	R/W: $719 Const: $35,611	PA&ED: $2,965 PS&E: $4,826 R/W Sup: $1,018 Con Sup: $7,206	Prior 18-19 18-19 19-20	PA&ED: 10/3/2018 R/W Cert: 6/1/2020 RTL: 6/2/2020 Begin Con: 1/4/2021
			Subtotal: $36,330	$16,015		
			Total Project Cost:	**$52,345**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 160 Collision(s) reduced			

2018 SHOPP Project List
Orange
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
12-Orange-91 R2.8 4533A 1216000078	In Buena Park, on the 91 eastbound connector from northbound Route 39 (Beach Boulevard). Overlay Hot Mix Asphalt (HMA) Open Graded Friction Course (OGFC).	0Q040 2018-19	R/W: Const: $540	PA&ED: PS&E: $360 R/W Sup: Con Sup: $320	 Prior 18-19	PA&ED: 6/16/2017 R/W Cert: 7/1/2018 RTL: 10/1/2018 Begin Con: 3/1/2019
			Subtotal: $540	$680		
			Total Project Cost:	**$1,220**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 17 Collision(s) reduced			
12-Orange-133 0.9/1.2 4769 1214000124	In Laguna Beach, at and north of Canyon Acres Drive. Extend the northbound lane reduction transition.	0N870 2018-19	R/W: $536 Const: $1,189	PA&ED: PS&E: $1,100 R/W Sup: $150 Con Sup: $789	 Prior Prior 18-19	PA&ED: 1/4/2016 R/W Cert: 10/1/2018 RTL: 11/1/2018 Begin Con: 6/19/2019
			Subtotal: $1,725	$2,039		
			Total Project Cost:	**$3,764**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 34 Collision(s) reduced			
12-Orange-133 3.1/3.6 4793 1213000097	In Laguna Beach, from 1,700 feet south to 1,300 feet north of El Toro Road. Extend lanes in both directions.	0N060 2019-20	R/W: $1,230 Const: $6,032	PA&ED: $1,215 PS&E: $1,820 R/W Sup: $550 Con Sup: $2,109	Prior Prior Prior 19-20	PA&ED: 9/1/2017 R/W Cert: 4/3/2020 RTL: 5/22/2020 Begin Con: 2/5/2021
			Subtotal: $7,262	$5,694		
			Total Project Cost:	**$12,956**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 65 Collision(s) reduced			
12-Orange-261 0.0/0.3 4926F 1216000091	In Irvine, from Walnut Road to north of northbound Jamboree Road Overcrossing. Install double thrie-beam barrier to prevent cross-median collisions.	0Q130 2018-19	R/W: $0 Const: $510	PA&ED: $0 PS&E: $412 R/W Sup: $0 Con Sup: $320	 Prior 18-19	PA&ED: 6/19/2017 R/W Cert: 11/1/2018 RTL: 11/15/2018 Begin Con: 7/15/2019
			Subtotal: $510	$732		
			Total Project Cost:	**$1,242**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 3 Collision(s) reduced			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
12-Orange-405 6.9/10.3 4995A 1215000053	In Irvine and Costa Mesa, from Jamboree Road to Route 73. Replace existing temporary railing with permanent concrete barrier.	0P220 2018-19	R/W: Const: $3,170	PA&ED: $200 PS&E: $1,300 R/W Sup: Con Sup: $1,200	Prior Prior 18-19	PA&ED: 8/31/2017 R/W Cert: 11/15/2018 RTL: 12/3/2018 Begin Con: 6/11/2019
			Subtotal: $3,170	$2,700		
			Total Project Cost:	**$5,870**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 8 Collision(s) reduced			
12-Orange-73 10.0/28.0 4051A 1214000093	In the cities of San Juan Capistrano, Laguna Nigel, Laguna Hills, Aliso Viejo, Laguna Beach, Irvine, Newport Beach, and Costa Mesa from Route 5 to Route 405. Upgrade highway safety features.	0N720 2019-20	R/W: Const: $16,500	PA&ED: $730 PS&E: $2,600 R/W Sup: $58 Con Sup: $3,200	Prior Prior Prior 19-20	PA&ED: 8/31/2017 R/W Cert: 1/15/2020 RTL: 2/5/2020 Begin Con: 9/18/2020
			Subtotal: $16,500	$6,588		
			Total Project Cost:	**$23,088**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 108 Collision(s) reduced			
12-Orange-133 3.4/13.6 4795A 1214000077	In and near Laguna Beach and Irvine, from El Toro Road to Route 241. Flatten steep embankments, replace and upgrade guardrail and terminal systems, install thrie-beam median barrier and replace K-rail with concrete barrier.	0N660 2018-19	R/W: Const: $9,500	PA&ED: $830 PS&E: $1,943 R/W Sup: $70 Con Sup: $2,165	Prior Prior Prior 18-19	PA&ED: 12/15/2017 R/W Cert: 3/15/2019 RTL: 4/5/2019 Begin Con: 9/9/2019
			Subtotal: $9,500	$5,008		
			Total Project Cost:	**$14,508**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 63 Collision(s) reduced			
12-Orange-5 31.0/33.3 2841 1214000054	In Santa Ana, from south of 4th Street to Broadway. Roadside safety improvements.	0N510 2018-19	R/W: Const: $1,900	PA&ED: $285 PS&E: $390 R/W Sup: Con Sup: $325	Prior Prior 18-19	PA&ED: 4/1/2018 R/W Cert: 2/1/2019 RTL: 3/1/2019 Begin Con: 12/1/2019
			Subtotal: $1,900	$1,000		
			Total Project Cost:	**$2,900**		
Carryover			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 36 Location(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
12-Orange-5 34.5/36.8 2860N 1216000046	In and near Anaheim, from Santa Ana Bridge No. 55-0811 to 0.6 mile south of Harbor Boulevard Overcrossing. Enhance highway worker safety by access trails and access gates, relocating facilities away from traffic, and installing features to reduce repetitive maintenance activities.	0P900 2020-21	R/W: $0 Const: $2,000 Subtotal: $2,000 **Total Project Cost:**	PA&ED: $270 PS&E: $400 R/W Sup: $0 Con Sup: $330 $1,000 **$3,000**	18-19 18-19 20-21	PA&ED: 8/1/2019 R/W Cert: 9/1/2020 RTL: 10/1/2020 Begin Con: 9/1/2021
New			**Program Code** 201.235	Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure 40	Location(s)		
12-Orange-5 36.8/38.5 2861E 1216000047	In Anaheim, from north of Anaheim Boulevard to Santa Ana Street. Enhance highway worker safety by access trails and access gates, relocating facilities away from traffic, and installing features to reduce repetitive maintenance activities.	0P910 2020-21	R/W: $0 Const: $2,000 Subtotal: $2,000 **Total Project Cost:**	PA&ED: $200 PS&E: $400 R/W Sup: $0 Con Sup: $400 $1,000 **$3,000**	18-19 18-19 20-21	PA&ED: 12/1/2019 R/W Cert: 12/1/2020 RTL: 2/1/2021 Begin Con: 11/1/2021
New			**Program Code** 201.235	Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure 40	Location(s)		
12-Orange-5 38.5/41.6 2861Z 1216000044	In Anaheim, from Santa Ana Street Overcrossing (OC) to 0.3 mile south of Magnolia Avenue OC. Enhance highway worker safety by paving miscellaneous areas, install access gates and relocate irrigation facilities away from the edge of the road.	0P920 2021-22	R/W: $0 Const: $2,000 Subtotal: $2,000 **Total Project Cost:**	PA&ED: $200 PS&E: $400 R/W Sup: $0 Con Sup: $400 $1,000 **$3,000**	19-20 20-21 21-22	PA&ED: 8/1/2020 R/W Cert: 9/1/2021 RTL: 10/1/2021 Begin Con: 7/1/2022
New			**Program Code** 201.235	Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure 40	Location(s)		
12-Orange-5 41.9/43.1 2862H 1216000045	In Fullerton and Buena Park, from Magnolia Avenue to Stanton Avenue; also on Route 91, from Stanton Avenue to Brookhurst Street (PM R2.8/1.2). Enhance highway worker safety by access trails and access gates, relocating facilities away from traffic, and installing features to reduce repetitive maintenance activities.	0P930 2021-22	R/W: $0 Const: $2,000 Subtotal: $2,000 **Total Project Cost:**	PA&ED: $200 PS&E: $400 R/W Sup: $0 Con Sup: $400 $1,000 **$3,000**	19-20 20-21 21-22	PA&ED: 1/1/2021 R/W Cert: 2/1/2022 RTL: 4/1/2022 Begin Con: 4/1/2023
New			**Program Code** 201.235	Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure 80	Location(s)		

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
12-Orange-55 13.2/R17.8 3535 1214000056	In the city of Orange, from La Veta Avenue to Route 91. Roadside safety improvements.	0N530 2019-20	R/W: Const: $2,000	PA&ED: $300 PS&E: $440 R/W Sup: Con Sup: $360	Prior 18-19 19-20	PA&ED: 4/1/2019 R/W Cert: 3/1/2020 RTL: 3/30/2020 Begin Con: 12/1/2020
			Subtotal: $2,000	$1,100		
			Total Project Cost:	**$3,100**		
Carryover			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	32 Location(s)		
12-Orange-405 7.3/11.8 4999D 1214000055	In Irvine and Costa Mesa, from Von Karmen Avenue to west of Harbor Boulevard. Roadside safety improvements.	0N520 2019-20	R/W: Const: $1,900	PA&ED: $285 PS&E: $390 R/W Sup: Con Sup: $325	Prior 18-19 19-20	PA&ED: 10/1/2018 R/W Cert: 10/1/2019 RTL: 11/30/2019 Begin Con: 8/1/2020
			Subtotal: $1,900	$1,000		
			Total Project Cost:	**$2,900**		
Carryover			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	20 Location(s)		
MANDATES						
12-Orange-1 12.2/13.3 2322B 1215000158	In Newport Beach, from 815 feet south of Reef Point Drive to 1,850 feet north of Crystal Heights Drive. Restore bioswales.	0P660 2020-21	R/W: $0 Const: $1,827	PA&ED: $271 PS&E: $628 R/W Sup: $0 Con Sup: $501	18-19 19-20 20-21	PA&ED: 7/1/2019 R/W Cert: 5/1/2020 RTL: 7/1/2020 Begin Con: 12/1/2020
			Subtotal: $1,827	$1,400		
			Total Project Cost:	**$3,227**		
New			**Program Code**	201.335 Storm Water Mitigation		
			Performance Measure	9 Acre(s) treated/pollutant		
12-Orange-5 10.1/10.6 2632A 1215000034	In San Juan Capistrano, from El Horno Street to south of Junipero Serra Road; also in Irvine, from Route 133 to south of Sand Canyon Avenue (PM 23.2/R23.7). Reconstruct slopes and apply vegetation to control sediment transport.	0P090 2019-20	R/W: Const: $2,729	PA&ED: $400 PS&E: $600 R/W Sup: $50 Con Sup: $650	Prior 18-19 18-19 19-20	PA&ED: 10/5/2018 R/W Cert: 12/2/2019 RTL: 2/3/2020 Begin Con: 11/2/2020
			Subtotal: $2,729	$1,700		
			Total Project Cost:	**$4,429**		
Carryover			**Program Code**	201.335 Storm Water Mitigation		
			Performance Measure	2.5 Acre(s) treated/pollutant		

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
12-Orange-57 20.8/R22.6 3846B 1216000117	In and near Brea, from south of Lambert Road to Los Angeles County line (PM R22.551). Construct storm water treatment Best Management Practices (BMPs) in the form of new detention basin to reduce Trash Total Maximum Daily Load (TMDL) to the San Gabriel-Coyote Creek watershed.	0Q270 2021-22	R/W: $0 Const: $6,797	PA&ED: $887 PS&E: $1,200 R/W Sup: $0 Con Sup: $1,500	18-19 19-20 21-22	PA&ED: 5/1/2020 R/W Cert: 2/1/2022 RTL: 3/1/2022 Begin Con: 8/1/2022
			Subtotal: $6,797	$3,587		
			Total Project Cost:	**$10,384**		
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 14.9 Acre(s) treated/pollutant			
12-Orange-142 3.5/4.7 5380A 1214000095	In Brea, from east of Chino Hills State Park entrance to east of Olinda Drive. Storm water mitigation.	0N730 2019-20	R/W: $200 Const: $3,400	PA&ED: $456 PS&E: $1,250 R/W Sup: $380 Con Sup: $920	Prior 18-19 18-19 19-20	PA&ED: 10/1/2018 R/W Cert: 5/4/2020 RTL: 6/2/2020 Begin Con: 2/1/2021
			Subtotal: $3,600	$3,006		
			Total Project Cost:	**$6,606**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 1.7 Acre(s) treated/pollutant			
12-Orange-1 5.5/7.9 2255 1216000003	In Laguna Beach, from 7th Avenue to north of Moss Street. Upgrade existing curb ramps, sidewalks, and driveways to Americans with Disabilities Act (ADA) Standards.	0P690 2020-21	R/W: $3,121 Const: $1,909	PA&ED: $0 PS&E: $3,399 R/W Sup: $2,864 Con Sup: $3,551	 18-19 18-19 20-21	PA&ED: 11/1/2018 R/W Cert: 9/1/2020 RTL: 10/1/2020 Begin Con: 4/1/2021
			Subtotal: $5,030	$9,814		
			Total Project Cost:	**$14,844**		
New			**Program Code** 201.361 Americans with Disabilities Act New Curb Ramps **Performance Measure** 56 Curb ramp(s)			
12-Orange-74 0.1/1.8 4097C 1200020302	In San Juan Capistrano, from Route 5 to the San Juan Capistrano city line. Upgrade pedestrian facilities to meet current Americans with Disabilities Act (ADA) Standards.	0M090 2018-19	R/W: $122 Const: $1,620	PA&ED: $290 PS&E: $940 R/W Sup: $600 Con Sup: $1,128	Prior Prior Prior 18-19	PA&ED: 7/3/2017 R/W Cert: 6/3/2019 RTL: 6/15/2019 Begin Con: 3/5/2020
			Subtotal: $1,742	$2,958		
			Total Project Cost:	**$4,700**		
Carryover			**Program Code** 201.361 Americans with Disabilities Act New Curb Ramps **Performance Measure** 48 Curb ramp(s)			

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
12-Orange-1 7.9/10.5 2300 1214000041	In Laguna Beach, from south of Ruby Street to Ledroit Street. Upgrade pedestrian facilities to Americans with Disabilities Act standards.	0M820 2019-20	R/W: Const:	$2,100 $8,328	PA&ED: PS&E: R/W Sup: Con Sup:	$1,225 $1,825 $2,715 $1,600	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	12/5/2017 7/5/2019 7/19/2019 2/10/2020
			Subtotal:	$10,428		$7,365			
			Total Project Cost:			**$17,793**			
Carryover			**Program Code**		201.378	Americans with Disabilities Act Pedestrian Infrastructure			
			Performance Measure		187	Curb ramp(s)			

BRIDGE PRESERVATION

12-Orange-1 9.3 2293 1213000086	In Laguna Beach, at Route 133 (Broadway Street). Replace bridge.	0M990 2019-20	R/W: Const:	$800 $1,550	PA&ED: PS&E: R/W Sup: Con Sup:	$270 $650 $790 $600	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	6/1/2018 9/12/2019 9/12/2019 11/19/2019
			Subtotal:	$2,350		$2,310			
			Total Project Cost:			**$4,660**			
Carryover			**Program Code**		201.110	Bridge Major Rehabilitation			
			Performance Measure		1	Bridge(s)			
12-Orange-Var 3450A 1217000003	In Costa Mesa, at the Route 55/73 Connector Overcrossing Bridge No. 55-538F (PM 4.74), Route 91 Carmenita Road Pedestrian Overcrossing Bridge No. 55-0473 (PM 0.02) and Route 405 Laguna Canyon Road Overcrossing Bridge No. 55-0247 (PM 2.20). Seismic restoration.	0Q390 2020-21	R/W: Const:	 $15,456	PA&ED: PS&E: R/W Sup: Con Sup:	$1,048 $2,279 $11 $5,381	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	9/25/2019 1/15/2021 2/2/2021 9/9/2021
			Subtotal:	$15,456		$8,719			
			Total Project Cost:			**$24,175**			
New			**Program Code**		201.113	Bridge Seismic Restoration			
			Performance Measure		3	Bridge(s)			

ROADWAY PRESERVATION

12-Orange-1 4.9/5.5 2246 1216000055	In Laguna Beach and Newport Beach, from 1,000 feet south of Vista Del Sol to Moss Street; also from Ledroit Street to Newport Coast Drive (PM 10.5/14.1). Remove and replace existing pavement with Rubberized Hot Mix Asphalt (RHMA).	0H150 2019-20	R/W: Const:	$65 $7,071	PA&ED: PS&E: R/W Sup: Con Sup:	 $3,200 $400 $1,739	 Prior 19-20 19-20	PA&ED: R/W Cert: RTL: Begin Con:	8/30/2005 5/1/2020 6/1/2020 1/4/2021
			Subtotal:	$7,136		$5,339			
			Total Project Cost:			**$12,475**			
Carryover			**Program Code**		201.121	Pavement Rehabilitation (CAPM)			
			Performance Measure		15.6	Lane mile(s)			

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
12-Orange-1 5.5/7.9 2246A 1218000057	In Laguna Beach, from 7th Street to Moss Street. Remove and replace pavement and with Rubberized Hot Mix Asphalt (RHMA).	0H151 2020-21	R/W: Const: $3,206	PA&ED: PS&E: R/W Sup: Con Sup: $779	20-21	PA&ED: 11/1/2018 R/W Cert: 9/1/2020 RTL: 10/1/2020 Begin Con: 9/1/2021
			Subtotal: $3,206	$779		
			Total Project Cost:	**$3,985**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 9.5 Lane mile(s)			
12-Orange-1 7.9/10.5 2246B 1218000058	In Laguna Beach, from south of Ruby Street to Ledroit Street. Remove and replace pavment with Rubberized Hot Mix Asphalt (RHMA).	0H153 2019-20	R/W: Const: $3,473	PA&ED: PS&E: R/W Sup: Con Sup: $832	19-20	PA&ED: 1/31/2018 R/W Cert: 2/1/2020 RTL: 3/1/2020 Begin Con: 9/1/2020
			Subtotal: $3,473	$832		
			Total Project Cost:	**$4,305**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 10.8 Lane mile(s)			
12-Orange-1 29.9/33.7 2499A 1215000149	In Huntington Beach, from Warner Avenue to Los Angeles County line. Upgrade Americans with Disabilities Act (ADA) curb ramps, cold plane pavement, and place Rubberized Hot Mix Asphalt (RHMA) pavement.	0P590 2020-21	R/W: $111 Const: $8,770	PA&ED: $1,720 PS&E: $2,932 R/W Sup: $1,245 Con Sup: $2,358	Prior 18-19 18-19 20-21	PA&ED: 1/5/2019 R/W Cert: 5/15/2021 RTL: 5/30/2021 Begin Con: 1/30/2022
			Subtotal: $8,881	$8,255		
			Total Project Cost:	**$17,136**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 14.9 Lane mile(s)			
12-Orange-90 2.6/5.1 4337 1215000148	In and near Brea, from Harbor Boulevard to Randolph Avenue. Cold plane pavement and place Rubberized Hot Mix Asphalt (RHMA) pavement.	0P580 2019-20	R/W: Const: $8,208	PA&ED: $478 PS&E: $1,249 R/W Sup: $129 Con Sup: $2,269	Prior 18-19 18-19 19-20	PA&ED: 11/1/2018 R/W Cert: 12/3/2019 RTL: 1/30/2020 Begin Con: 9/1/2020
			Subtotal: $8,208	$4,125		
			Total Project Cost:	**$12,333**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 11.7 Lane mile(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
12-Orange-91 R9.8/R18.9 4609B 1213000196	In the city of Anaheim, from west of Lakeview Avenue to Orange/Riverside County line. Pavement rehabilitation.	0N320 2018-19	R/W: Const: $5,750	PA&ED: PS&E: $1,740 R/W Sup: Con Sup: $1,740	 Prior 18-19	PA&ED: 6/3/2015 R/W Cert: 3/1/2019 RTL: 4/1/2019 Begin Con: 9/1/2019
			Subtotal: $5,750	$3,480		
			Total Project Cost:	**$9,230**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 90.0 Lane mile(s)			
12-Orange-1 20.5/20.9 2403A 1215000009	In Newport Beach, from north of Superior Avenue to 60th Street. Rehabilitate drainage system.	0N930 2018-19	R/W: $10 Const: $1,095	PA&ED: $250 PS&E: $400 R/W Sup: Con Sup: $400	Prior Prior 18-19	PA&ED: 10/20/2017 R/W Cert: 2/1/2019 RTL: 4/2/2019 Begin Con: 11/6/2019
			Subtotal: $1,105	$1,050		
			Total Project Cost:	**$2,155**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 14 Culvert(s) (ea)			
12-Orange-5 3.3 2563 1216000004	In San Clemente, adjacent to northbound Avenida Pico offramp. Restore hydraulic capacity of channel by repairing concrete panels in channel slope and bottom.	0P700 2019-20	R/W: $15 Const: $4,303	PA&ED: $452 PS&E: $963 R/W Sup: $111 Con Sup: $1,080	Prior 18-19 18-19 19-20	PA&ED: 3/1/2019 R/W Cert: 5/1/2020 RTL: 6/1/2020 Begin Con: 12/11/2020
			Subtotal: $4,318	$2,606		
			Total Project Cost:	**$6,924**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 1 Culvert(s) (ea)			
12-Orange-22 R9.1 2948 1215000010	In Garden Grove, at Haster Street westbound offramp. Upgrade drainage system.	0N920 2019-20	R/W: $326 Const: $1,149	PA&ED: $234 PS&E: $410 R/W Sup: $30 Con Sup: $468	Prior Prior Prior 19-20	PA&ED: 8/1/2017 R/W Cert: 4/1/2019 RTL: 5/1/2019 Begin Con: 1/2/2020
			Subtotal: $1,475	$1,142		
			Total Project Cost:	**$2,617**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 8 Culvert(s) (ea)			

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
12-Orange-39 15.2/15.9 3230A 1212000031	In Buena Park, from Auto Center Drive to Craig Avenue. Rehabilitate drainage systems, install new inlets, Reinforced Concrete Pipes (RCP) and replace flood damaged sections of curb and gutters.	0F970 2019-20	R/W: $414 Const: $2,226	PA&ED: PS&E: $870 R/W Sup: $153 Con Sup: $906	 Prior Prior 19-20	PA&ED: 6/26/2017 R/W Cert: 11/1/2019 RTL: 11/15/2019 Begin Con: 7/15/2020
			Subtotal: $2,640	$1,929		
			Total Project Cost:	**$4,569**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 24 Culvert(s) (ea)			
12-Orange-133 3.1/R4.3 4792 1216000133	In Orange County, from 0.3 mile south of El Toro Road to 0.2 mile north of Route 73/133 Interchange. Construct detention basin, reconstruct channel, extend reinforced concrete box and regrade to prevent adverse flow.	0Q360 2019-20	R/W: $1,467 Const: $2,095	PA&ED: $1,125 PS&E: $1,712 R/W Sup: $766 Con Sup: $1,188	Prior 18-19 18-19 19-20	PA&ED: 10/2/2018 R/W Cert: 4/17/2020 RTL: 6/15/2020 Begin Con: 1/5/2021
			Subtotal: $3,562	$4,791		
			Total Project Cost:	**$8,353**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 2 Culvert(s) (ea)			
MOBILITY						
12-Orange-55 R8.0/R9.2 3483 1215000045	In the cities of Santa Ana and Tustin, from Dyer Road onramp to Edinger Avenue offramp. Construct northbound auxiliary lane.	0G950 2019-20	R/W: $24,500 Const: $13,100	PA&ED: $200 PS&E: $3,500 R/W Sup: $2,700 Con Sup: $2,800	Prior Prior Prior 19-20	PA&ED: 9/11/2017 R/W Cert: 6/1/2020 RTL: 6/15/2020 Begin Con: 12/23/2020
			Subtotal: $37,600	$9,200		
			Total Project Cost:	**$46,800**		
Carryover			**Program Code** 201.310 Operational Improvements **Performance Measure** 1153 Daily vehicle hour(s) of delay (DVHD)			
12-Orange-133 8.5/M9.3 4846 1214000130	In Irvine, from southbound 5/SB 133 Connector to southbound 133/NB 405 Connector. Construct a new auxiliary lane to improve traffic flow.	0N890 2021-22	R/W: $253 Const: $14,926	PA&ED: $1,503 PS&E: $3,224 R/W Sup: $652 Con Sup: $4,544	18-19 19-20 19-20 21-22	PA&ED: 11/1/2019 R/W Cert: 9/1/2021 RTL: 10/1/2021 Begin Con: 3/1/2022
			Subtotal: $15,179	$9,923		
			Total Project Cost:	**$25,102**		
New			**Program Code** 201.310 Operational Improvements **Performance Measure** 271 Daily vehicle hour(s) of delay (DVHD)			

2018 SHOPP Project List
Orange
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
12-Orange-405 2.4/3.9 4956A 1212000052	In Irvine, from Route 133 to Sand Canyon Avenue; also from Sand Canyon Avenue to University Drive/Jeffery Road. Construct southbound auxiliary lanes.	0H045 2018-19	R/W: Const: $6,000	PA&ED: PS&E: R/W Sup: Con Sup: $2,200	18-19	PA&ED: 3/22/2016 R/W Cert: 3/1/2018 RTL: 7/1/2018 Begin Con: 12/1/2019
			Subtotal: $6,000	$2,200		
			Total Project Cost:	**$8,200**		
New			**Program Code** 201.310 Operational Improvements **Performance Measure** 1003 Daily vehicle hour(s) of delay (DVHD)			
12-Orange-Var 1203 1217000088	At various locations, on various routes. Replace and upgrade existing field elements for the Traffic Management System (TMS).	0Q690 2019-20	R/W: $24 Const: $6,530	PA&ED: PS&E: $2,060 R/W Sup: Con Sup: $1,800	Prior 19-20	PA&ED: 6/22/2017 R/W Cert: 2/1/2020 RTL: 5/1/2020 Begin Con: 1/1/2021
			Subtotal: $6,554	$3,860		
			Total Project Cost:	**$10,414**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 754 Field element(s)			
12-Orange-Var 0.0/0.0 2859B 1216000097	In the cities of Orange, Anaheim, Santa Ana, Fullerton and Buena Park, from PM 33.0 to PM 43.2; also on Route 57, from PM 10.7 to PM 16.6; also on Route 91, from PM R2.6 to PM R4.1 and PM 0.0 to PM 7.2. Install and modify Intelligent Transportation System (ITS) elements.	0P42U 2019-20	R/W: Const: $8,820	PA&ED: $1,323 PS&E: $2,030 R/W Sup: $180 Con Sup: $2,030	Prior 18-19 18-19 19-20	PA&ED: 7/1/2018 R/W Cert: 4/1/2020 RTL: 4/10/2020 Begin Con: 1/4/2021
			Subtotal: $8,820	$5,563		
			Total Project Cost:	**$14,383**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 24.8 Field element(s)			
12-Orange-1 13.0/33.6 2330 1216000002	In the cities of Newport Beach, Huntington Beach and Seal Beach, from Crystal Heights Drive to First Street. Replace traffic signals, upgrade non-standard curb ramps to meet Americans with Disabilities Act (ADA) Standards and modify drainage.	0P680 2020-21	R/W: $191 Const: $12,925	PA&ED: $1,891 PS&E: $4,299 R/W Sup: $1,244 Con Sup: $3,537	Prior 18-19 18-19 20-21	PA&ED: 1/5/2019 R/W Cert: 5/15/2021 RTL: 5/30/2021 Begin Con: 1/30/2022
			Subtotal: $13,116	$10,971		
			Total Project Cost:	**$24,087**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 20 Field element(s)			

2018 SHOPP Project List
Orange
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
12-Orange-5 33.0/43.2 2859C 1215000160	In and near Anaheim, from south of Route 22 to south of Route 39; also on Route 57 (PM 10.7/16.6) and Route 91 (PM R2.6/R4.1 and (PM 0.0/7.2). Create interoperability of Transportation Management System (TMS) by upgrading Intelligent Transportation System (ITS) elements between Caltrans and local agencies.	0P670 2019-20	R/W: Const: $13,673	PA&ED: $2,380 PS&E: $3,650 R/W Sup: $320 Con Sup: $3,650	Prior 18-19 18-19 19-20	PA&ED: 11/1/2018 R/W Cert: 5/1/2020 RTL: 6/1/2020 Begin Con: 2/1/2021
			Subtotal: $13,673	$10,000		
			Total Project Cost:	**$23,673**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 311 Field element(s)			
12-Orange-91 R13.6 4642A 1214000050	In Anaheim, at the Commercial Vehicle Enforcement Facility (CVEF) Peralta Weigh Station (Eastbound). Rehabilitate and upgrade CVEF.	0N490 2018-19	R/W: Const: $6,847	PA&ED: $624 PS&E: $1,391 R/W Sup: $10 Con Sup: $1,332	Prior Prior Prior 18-19	PA&ED: 8/1/2017 R/W Cert: 1/15/2019 RTL: 2/1/2019 Begin Con: 7/1/2019
			Subtotal: $6,847	$3,357		
			Total Project Cost:	**$10,204**		
Carryover			**Program Code** 201.321 Weigh Stations **Performance Measure** 1 Location(s)			

Orange County

R/W:	$37,192	PA&ED:	$27,248
Const:	$281,692	PS&E:	$71,801
		R/W Sup:	$18,496
		Con Sup:	$78,490
Subtotal:	$318,884		$196,035
Total (Capital + Support):			**$514,919**

2018 SHOPP Project List
Placer
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
03-Placer-49 2.2/2.4 4785 0316000077	In Auburn, from 0.3 mile south of Lincoln Way/Borland Avenue to Lincoln Way/Borland Avenue. Realign curves.	1H240 2019-20	R/W: Const:	$764 $1,697	PA&ED: PS&E: R/W Sup: Con Sup:	$732 $1,003 $306 $819	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	12/15/2018 4/15/2020 5/1/2020 11/1/2020
			Subtotal:	$2,461		$2,860			
			Total Project Cost:			**$5,321**			
Carryover			**Program Code**	201.010 Safety Improvements					
			Performance Measure	50 Collision(s) reduced					
03-Placer-80 1.6/R66.5 5026 0316000008	In and near various cities, at various locations, from 0.3 mile west of Douglas Boulevard to 0.2 mile east of Hampshire Rocks Undercrossing. Upgrade guardrail to current standards.	0H720 2020-21	R/W: Const:	$0 $2,600	PA&ED: PS&E: R/W Sup: Con Sup:	$40 $440 $120 $550	18-19 18-19 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	1/15/2019 7/15/2020 8/15/2020 3/1/2021
			Subtotal:	$2,600		$1,150			
			Total Project Cost:			**$3,750**			
New			**Program Code**	201.015 Collision Severity Reduction					
			Performance Measure	21 Collision(s) reduced					
BRIDGE PRESERVATION									
03-Placer-80 28.7/R63.5 5097 0300020615	In Placer and Nevada Counties, at various locations. Rehabilitate or replace bridges at six locations.	2F570 2019-20	R/W: Const:	$200 $32,200	PA&ED: PS&E: R/W Sup: Con Sup:	$2,720 $6,350 $485 $6,430	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	2/15/2018 4/20/2020 5/7/2020 12/15/2020
			Subtotal:	$32,400		$15,985			
			Total Project Cost:			**$48,385**			
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation					
			Performance Measure	6 Bridge(s)					
ROADWAY PRESERVATION									
03-Placer-80 25.9/28.5 5105 0314000086	Near Weimar, from west of Applegate Road to west of Weimar Cross Road. Drainage system rehabilitation.	4F250 2018-19	R/W: Const:	$70 $3,070	PA&ED: PS&E: R/W Sup: Con Sup:	$220 $430 $140 $610	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	10/2/2017 10/1/2018 10/11/2018 2/15/2019
			Subtotal:	$3,140		$1,400			
			Total Project Cost:			**$4,540**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	26 Culvert(s) (ea)					

2018 SHOPP Project List
Placer
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-Placer-80 31.5/36.9 5079 0300020600	In and near Colfax, from west of Illinoistown Overcrossing to east of Cape Horn Undercrossing. Drainage system rehabilitation.	1E050 2019-20	R/W: Const:	$150 $3,170	PA&ED: PS&E: R/W Sup: Con Sup:	$230 $440 $140 $600	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/1/2017 12/15/2019 12/15/2019 8/5/2020
			Subtotal:	$3,320		$1,410			
			Total Project Cost:			**$4,730**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	37 Culvert(s) (ea)					
03-Placer-80 38.3/41.5 5114 0316000049	Near Magra, from Secret Town Overcrossing to the Gold Run Safety Roadside Rest Area (SRRA). Rehabilitate drainage systems.	1H030 2020-21	R/W: Const:	$220 $3,069	PA&ED: PS&E: R/W Sup: Con Sup:	$429 $667 $195 $806	Prior 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	12/15/2019 4/10/2021 4/20/2021 12/5/2021
			Subtotal:	$3,289		$2,097			
			Total Project Cost:			**$5,386**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	32 Culvert(s) (ea)					
MOBILITY									
03-Placer-80 2.8 5113 0315000174	In Roseville, at the Atlantic Street/Eureka Road westbound on-ramp. Install ramp meters and widen ramp for storage capacity.	0H460 2019-20	R/W: Const:	$270 $6,440	PA&ED: PS&E: R/W Sup: Con Sup:	$700 $700 $130 $900	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	6/15/2018 4/1/2020 4/15/2020 10/15/2020
			Subtotal:	$6,710		$2,430			
			Total Project Cost:			**$9,140**			
Carryover			**Program Code**	201.310 Operational Improvements					
			Performance Measure	1542 Daily vehicle hour(s) of delay (DVHD)					
03-Placer-80 4291 0315000164	In various counties on various routes at various locations. Upgrade Extinguishable Message Signs (EMS) to LED.	0H400 2019-20	R/W: Const:	 $1,600	PA&ED: PS&E: R/W Sup: Con Sup:	$190 $210 $30 $500	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	1/1/2018 7/1/2019 8/1/2019 4/1/2020
			Subtotal:	$1,600		$930			
			Total Project Cost:			**$2,530**			
Carryover			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	62 Field element(s)					

2018 SHOPP Project List
Placer
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
ROADSIDE PRESERVATION									
03-Placer-65 R19.5 4899 0316000177	Near Lincoln, on McCourtney Road between Riosa Road and Kilaga Springs Road at the Coon Creek Conservation (C4) Ranch. Advance mitigation construction (4 acres) for future SHOPP projects expected to impact wetland, riparian and to other waters.	1H530 2019-20	R/W:	$64	PA&ED:	$653	Prior	PA&ED:	10/15/2019
			Const:	$1,175	PS&E:	$434	19-20	R/W Cert:	5/1/2020
					R/W Sup:	$7	19-20	RTL:	5/15/2020
					Con Sup:	$306	19-20	Begin Con:	10/20/2020
			Subtotal:	$1,239		$1,400			
			Total Project Cost:			**$2,639**			
			Program Code		201.240 Roadside Enhancement				
Carryover			**Performance Measure**		1 Location(s)				

Placer County

R/W:	$1,738	PA&ED:	$5,914
Const:	$55,021	PS&E:	$10,674
		R/W Sup:	$1,553
		Con Sup:	$11,521
Subtotal:	$56,759		$29,662
Total (Capital + Support):			**$86,421**

2018 SHOPP Project List
Plumas
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
02-Plumas-70 36.8/R62.4 3639 0216000043	Near Quincy, at various locations from 0.3 mile west of Butterfly Valley Road to 0.2 mile west of Two Rivers Road; also on Route 89 near Greenville, from 0.9 mile north to 1.4 miles north of Wolf Creek Road (PM 25.1/25.3). Upgrade rock fall fence to reduce maintenance and highway worker exposure.	1H790 2020-21	R/W: $40 Const: $1,760	PA&ED: $350 PS&E: $450 R/W Sup: $20 Con Sup: $450	18-19 19-20 19-20 20-21	PA&ED: 11/5/2019 R/W Cert: 12/21/2020 RTL: 1/21/2021 Begin Con: 6/15/2021
			Subtotal: $1,800	$1,270		
			Total Project Cost:	**$3,070**		
New			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 9 Location(s)			
ROADWAY PRESERVATION						
02-Plumas-70 58.4/R78.4 3619 0216000024	In and near Cromberg and Portola, from 0.2 mile east of Gill Ranch Road to 0.2 mile west of Big Grizzly Creek Bridge. Rehabilitate roadway, repair or replace culverts, upgrade guardrail, upgrade bridge railing at Humbug Creek Bridge No. 09-0022, and make pedestrian facilities American with Disabilities Act (ADA) compliant. (G13 Contingency)	1H580 2021-22	R/W: $514 * Const: $88,050	PA&ED: $3,490 PS&E: $2,620 R/W Sup: $1,120 * Con Sup: $6,810	18-19 20-21 20-21 21-22	PA&ED: 11/5/2020 R/W Cert: 2/25/2022 RTL: 3/28/2022 Begin Con: 9/27/2022
			Subtotal: $88,564	$14,040		
			Total Project Cost:	**$102,604**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
New			**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 45.7 Lane mile(s)			
02-Plumas-70 90.3/96.0 3599 0215000086	In Plumas and Lassen Counties, near Chilcoot from west of Summit School Drive Road to Route 395 (Lassen PM 0.0/3.9). Roadway rehabilitation.	0H760 2018-19	R/W: $51 Const: $20,547	PA&ED: $1,030 PS&E: $900 R/W Sup: $70 Con Sup: $1,440	Prior Prior Prior 18-19	PA&ED: 2/2/2018 R/W Cert: 2/25/2019 RTL: 3/28/2019 Begin Con: 8/27/2019
			Subtotal: $20,598	$3,440		
			Total Project Cost:	**$24,038**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 18.0 Lane mile(s)			
02-Plumas-70 0.0/70.0 3587 0215000050	In Plumas County, from Butte County line to east of Moach Road at various locations. Drainage rehabilitation.	0H550 2019-20	R/W: $290 Const: $2,525	PA&ED: $1,060 PS&E: $710 R/W Sup: $1,090 Con Sup: $920	Prior 18-19 18-19 19-20	PA&ED: 9/1/2018 R/W Cert: 6/4/2019 RTL: 7/11/2019 Begin Con: 2/13/2020
			Subtotal: $2,815	$3,780		
			Total Project Cost:	**$6,595**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 50 Culvert(s) (ea)			

2018 SHOPP Project List
Plumas
($1,000)

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

Plumas County

R/W:	$895	PA&ED:	$5,930
Const:	$112,882	PS&E:	$4,680
		R/W Sup:	$2,300
		Con Sup:	$9,620
Subtotal:	$113,777		$22,530
Total (Capital + Support):			**$136,307**

2018 SHOPP Project List
Riverside
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
08-Riverside-74 50.0/59.0 3010G 0817000165	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.	1H910 2020-21	R/W: $55 Const: $4,264	PA&ED: $1,270 PS&E: $1,393 R/W Sup: $255 Con Sup: $1,342	Prior 18-19 18-19 20-21	PA&ED: 4/15/2019 R/W Cert: 10/15/2020 RTL: 11/15/2020 Begin Con: 7/15/2021
			Subtotal: $4,319	$4,260		
			Total Project Cost:	**$8,579**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 5 Location(s)			
08-Riverside-95 14.0/36.2 3002U 0815000107	Near Blythe, from north of Palo Verde Dam Road to the San Bernardino County line. Restore storm eroded embankments with rock slope protection and replace culverts. A previous Emergency Opening EA 08-1F800 repaired roadway.	1G000 2019-20	R/W: $600 Const: $8,170	PA&ED: $926 PS&E: $901 R/W Sup: $63 Con Sup: $2,462	Prior 18-19 18-19 19-20	PA&ED: 11/1/2018 R/W Cert: 2/3/2020 RTL: 5/1/2020 Begin Con: 2/16/2021
			Subtotal: $8,770	$4,352		
			Total Project Cost:	**$13,122**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 20 Location(s)			
COLLISION REDUCTION						
08-Riverside-60 16.6 3006X 0816000162	In Moreno Valley, at the Sunnymead Boulevard eastbound onramp. Install traffic signal.	1H140 2018-19	R/W: $90 Const: $646	PA&ED: $397 PS&E: $546 R/W Sup: $99 Con Sup: $566	Prior Prior Prior 18-19	PA&ED: 1/2/2018 R/W Cert: 1/2/2019 RTL: 2/4/2019 Begin Con: 9/2/2019
			Subtotal: $736	$1,608		
			Total Project Cost:	**$2,344**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 14 Collision(s) reduced			
08-Riverside-60 22.2/26.6 0045G 0800020220	Near Beaumont, from Gilman Springs Road to 1.4 miles west of Jack Rabbit Trail. Construct left and right shoulders for westbound direction.	0Q180 2018-19	R/W: $250 Const: $25,000	PA&ED: $2,000 PS&E: $1,500 R/W Sup: $200 Con Sup: $3,700	Prior Prior Prior 18-19	PA&ED: 5/2/2016 R/W Cert: 2/28/2018 RTL: 7/2/2018 Begin Con: 12/4/2018
			Subtotal: $25,250	$7,400		
			Total Project Cost:	**$32,650**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 382 Collision(s) reduced			

2018 SHOPP Project List
Riverside
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
08-Riverside-74 0.0/5.8 0050P 0813000047	Near Lake Elsinore, from the Orange County line to Monte Vista Street. Widen for standard lane widths and shoulders and construct ground-in rumble strips.	1C850 2019-20	R/W: $20 Const: $53,600	PA&ED: $3,934 PS&E: $2,590 R/W Sup: $20 Con Sup: $4,985	Prior 18-19 18-19 19-20	PA&ED: 12/20/2018 R/W Cert: 2/26/2020 RTL: 3/26/2020 Begin Con: 9/10/2020
			Subtotal: $53,620	$11,529		
			Total Project Cost:	**$65,149**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 298 Collision(s) reduced			
08-Riverside-79 5.4/11.4 3006G 0816000049	Near Temecula, from 3.1 miles north of Route 371 to 1.1 miles south of Pauba Road. Construct 8 foot shoulders and rumble strip.	1G670 2021-22	R/W: $1,705 Const: $43,272	PA&ED: $4,900 PS&E: $4,700 R/W Sup: $751 Con Sup: $7,700	Prior 19-20 19-20 21-22	PA&ED: 11/19/2019 R/W Cert: 10/19/2021 RTL: 11/19/2021 Begin Con: 8/19/2022
			Subtotal: $44,977	$18,051		
			Total Project Cost:	**$63,028**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 108 Collision(s) reduced			
08-Riverside-215 R12.7/R15.0 3005N 0816000094	In Murrieta, from 0.2 mile north of Clinton Keith Road Overcrossing to 0.5 mile south of Scott Road Overcrossing. Install concrete barrier at edge of shoulder.	1G870 2018-19	R/W: $10 Const: $2,990	PA&ED: $600 PS&E: $732 R/W Sup: $10 Con Sup: $770	Prior Prior Prior 18-19	PA&ED: 3/2/2018 R/W Cert: 2/1/2019 RTL: 3/1/2019 Begin Con: 9/5/2019
			Subtotal: $3,000	$2,112		
			Total Project Cost:	**$5,112**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 23 Collision(s) reduced			
MANDATES						
08-Riverside-74 7.0/R14.4 3001Y 0812000334	In and near Lake Elsinore, from 1.7 miles east of El Cariso Road to Lehr Drive. Stabilize slopes to decrease sediment transport.	1C590 2018-19	R/W: $10 Const: $2,918	PA&ED: $310 PS&E: $452 R/W Sup: $20 Con Sup: $495	Prior 18-19 18-19 18-19	PA&ED: 7/13/2018 R/W Cert: 4/15/2019 RTL: 6/17/2019 Begin Con: 2/18/2020
			Subtotal: $2,928	$1,277		
			Total Project Cost:	**$4,205**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 12 Acre(s) treated/pollutant			

2018 SHOPP Project List
Riverside
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
08-Riverside-215 R9.0/R16.0 3002A 0812000341	In Murrieta and Menifee, from Route 215 to north of Scott Road. Stabilize slopes to decrease sediment transport.	1C660 2019-20	R/W: Const:	$10 $7,080	PA&ED: PS&E: R/W Sup: Con Sup:	$1,184 $1,795 $20 $1,209	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/15/2018 10/24/2019 12/11/2019 8/12/2020
			Subtotal:	$7,090		$4,208			
			Total Project Cost:			**$11,298**			
Carryover			**Program Code**	201.335 Storm Water Mitigation					
			Performance Measure	36 Acre(s) treated/pollutant					
08-Riverside-74 36.9/43.6 3003P 0814000256	In Hemet, from Warren Avenue to Soboba Street. Construct and upgrade pedestrian facilities to current Americans with Disability Act (ADA) Standards.	1F590 2019-20	R/W: Const:	$30 $2,753	PA&ED: PS&E: R/W Sup: Con Sup:	$710 $1,815 $467 $1,320	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	4/16/2018 12/20/2019 3/16/2020 11/17/2020
			Subtotal:	$2,783		$4,312			
			Total Project Cost:			**$7,095**			
Carryover			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	93 Curb ramp(s)					
08-Riverside-79 25.6/26.4 3002R 0814000257	In Hemet, from East Florida Avenue to East Menlo Avenue. Construct and upgrade pedestrian facilities to current Americans with Disability Act (ADA) Standards.	1F600 2019-20	R/W: Const:	$1,085 $1,508	PA&ED: PS&E: R/W Sup: Con Sup:	$450 $900 $2,094 $600	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	4/10/2018 2/18/2020 3/10/2020 11/10/2020
			Subtotal:	$2,593		$4,044			
			Total Project Cost:			**$6,637**			
Carryover			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	85 Curb ramp(s)					
08-Riverside-111 47.3/55.3 3007U 0817000230	In Palm Springs, from Gateway Drive to Golf Club Drive. Reconstruct and construct curb ramps.	0R302 2019-20	R/W: Const:	$2,125 $5,300	PA&ED: PS&E: R/W Sup: Con Sup:	 $1,547 $3,339 $2,590	 Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	6/29/2016 6/12/2020 6/15/2020 12/14/2020
			Subtotal:	$7,425		$7,476			
			Total Project Cost:			**$14,901**			
Carryover			**Program Code**	201.378 Americans with Disabilities Act Pedestrian Infrastructure					
			Performance Measure	130 Structure(s)					

2018 SHOPP Project List
Riverside
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
BRIDGE PRESERVATION						
08-Riverside-10 27.7 3002F 0814000051	Near Palm Springs, at Whitewater River Bridge No. 56-0004 L/R. Bridge rehabilitation and scour mitigation.	1E570 2018-19	R/W: $20 Const: $12,399	PA&ED: $953 PS&E: $1,645 R/W Sup: $8 Con Sup: $2,300	Prior 18-19 18-19 18-19	PA&ED: 5/2/2018 R/W Cert: 6/3/2019 RTL: 6/18/2019 Begin Con: 1/21/2020
			Subtotal: $12,419	$4,906		
			Total Project Cost:	**$17,325**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 2 Bridge(s)			
08-Riverside-10 R92.9/R101.1 3008N 0816000177	Near Desert Center, from Krume Ditch to Wide Ditch. Replace existing Rock Slope Protection (RSP) to prevent further scour damage and preserve the integrity of twenty-four bridges.	1H200 2021-22	R/W: $190 Const: $10,440	PA&ED: $967 PS&E: $1,232 R/W Sup: $259 Con Sup: $3,648	18-19 20-21 20-21 21-22	PA&ED: 9/23/2020 R/W Cert: 2/16/2022 RTL: 3/16/2022 Begin Con: 11/4/2022
			Subtotal: $10,630	$6,106		
			Total Project Cost:	**$16,736**		
New			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 24 Bridge(s)			
08-Riverside-10 R106.6/R113.8 3008M 0816000174	Near Desert Center, from Coxcomb Ditch to Copa Ditch. Replace existing Rock Slope Protection (RSP) to prevent further scour damage and preserve the structural integrity of sixteen bridges.	1H190 2021-22	R/W: $140 Const: $7,356	PA&ED: $825 PS&E: $1,282 R/W Sup: $217 Con Sup: $2,336	18-19 20-21 20-21 21-22	PA&ED: 9/23/2020 R/W Cert: 2/16/2022 RTL: 3/16/2022 Begin Con: 12/12/2022
			Subtotal: $7,496	$4,660		
			Total Project Cost:	**$12,156**		
New			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 16 Bridge(s)			
08-Riverside-10 R120.7/R142.7 3008P 0816000176	Near Blythe, from Rubble Ditch to Palowalla Ditch. Replace existing Rock Slope Protection (RSP) to prevent further scour damage and preserve the structural integrity of eighteen bridges.	1H210 2021-22	R/W: $131 Const: $8,832	PA&ED: $938 PS&E: $1,442 R/W Sup: $281 Con Sup: $2,732	18-19 20-21 20-21 21-22	PA&ED: 9/23/2020 R/W Cert: 2/16/2022 RTL: 3/16/2022 Begin Con: 11/16/2022
			Subtotal: $8,963	$5,393		
			Total Project Cost:	**$14,356**		
New			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 18 Bridge(s)			

2018 SHOPP Project List
Riverside
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
08-Riverside-74 2.9/3.2 3005Q 0816000001	Near Lake Elsinore, at Morrill Canyon Bridge No. 56-0169; also near Hemet, at Strawberry Creek Bridge No. 56-0180 (PM 53.4/54.7). Replace structures/upgrade rails.	1G470 2021-22	R/W: $653 Const: $6,824	PA&ED: $1,690 PS&E: $1,295 R/W Sup: $150 Con Sup: $2,390	18-19 20-21 20-21 21-22	PA&ED: 2/22/2021 R/W Cert: 2/28/2022 RTL: 3/30/2022 Begin Con: 11/30/2022
			Subtotal: $7,477	$5,525		
			Total Project Cost:	**$13,002**		
New			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 2 Bridge(s)			
08-Riverside-10 R110.5 3002L 0814000216	Near Desert Center, at Palen Ditch Bridge No. 56-0040 R/L. Bridge rail replacement.	1F410 2018-19	R/W: $10 Const: $1,846	PA&ED: $139 PS&E: $342 R/W Sup: $10 Con Sup: $1,567	Prior Prior Prior 18-19	PA&ED: 12/15/2017 R/W Cert: 12/3/2018 RTL: 1/4/2019 Begin Con: 11/1/2019
			Subtotal: $1,856	$2,058		
			Total Project Cost:	**$3,914**		
Carryover			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 520.0 Linear feet			
08-Riverside-74 13.2/34.0 3002C 0812000343	In and near the cities of Lake Elsinore, Perris, Menifee and Hemet, at Leach Canyon Channel Bridge No. 56-0750 and Blue Ridge Wash Bridge No. 56-0257; also on Routes 79 and 371, at Arroyo Seco Bridge No. 56-0189, Temecula Creek Bridge, and Cahuilla Bridge No. 56-0490. Bridge rail replacement, replace two bridges, and extend one culvert.	1C680 2019-20	R/W: $50 Const: $6,245	PA&ED: $505 PS&E: $2,700 R/W Sup: $80 Con Sup: $2,800	Prior Prior Prior 19-20	PA&ED: 4/2/2018 R/W Cert: 6/3/2019 RTL: 8/1/2019 Begin Con: 3/2/2020
			Subtotal: $6,295	$6,085		
			Total Project Cost:	**$12,380**		
Carryover			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 800.0 Linear feet			
08-Riverside-10 R74.1 3002G 0814000087	In Riverside County, on Routes 10 and 91, at various locations; also in San Bernardino County, on Routes 10 and 15, at various locations. Repair bridge decks.	1E720 2018-19	R/W: $30 Const: $1,472	PA&ED: $350 PS&E: $660 R/W Sup: $20 Con Sup: $660	Prior Prior Prior 18-19	PA&ED: 10/31/2017 R/W Cert: 6/20/2018 RTL: 8/3/2018 Begin Con: 4/30/2019
			Subtotal: $1,502	$1,690		
			Total Project Cost:	**$3,192**		
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 7 Bridge(s)			

2018 SHOPP Project List
Riverside
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
08-Riverside-15 23.9/33.4 3003L 0815000232	In and near Terra Cotta, from Nichols Road to north of Glen Ivy. Concrete pavement slab replacement.	1F142 2018-19	R/W: $10 Const: $20,762	PA&ED: $1,108 PS&E: $926 R/W Sup: $10 Con Sup: $3,347	Prior Prior Prior 18-19	PA&ED: 11/1/2017 R/W Cert: 2/1/2019 RTL: 5/1/2019 Begin Con: 1/15/2020
			Subtotal: $20,772	$5,391		
			Total Project Cost:	**$26,163**		
			Program Code	201.121 Pavement Rehabilitation (CAPM)		
Carryover			**Performance Measure**	57.0 Lane mile(s)		
08-Riverside-15 38.2/51.5 3003M 0815000233	In and near Corona, from south of Ontario Avenue to Route 60. Concrete pavement slab replacement.	1F143 2019-20	R/W: $10 Const: $24,040	PA&ED: $1,022 PS&E: $930 R/W Sup: $10 Con Sup: $4,771	Prior Prior Prior 19-20	PA&ED: 3/29/2018 R/W Cert: 1/3/2020 RTL: 3/2/2020 Begin Con: 1/15/2021
			Subtotal: $24,050	$6,733		
			Total Project Cost:	**$30,783**		
			Program Code	201.121 Pavement Rehabilitation (CAPM)		
Carryover			**Performance Measure**	79.8 Lane mile(s)		
08-Riverside-60 22.1/26.6 0033N 0812000287	Near Beaumont, from Gilman Springs Road to 1.4 miles west of Jack Rabbit Trail. Rehabilitate pavement.	1C090 2018-19	R/W: Const: $15,000	PA&ED: PS&E: R/W Sup: Con Sup:		PA&ED: 5/2/2016 R/W Cert: 2/28/2018 RTL: 7/2/2018 Begin Con: 12/4/2018
			Subtotal: $15,000			
			Total Project Cost:	**$15,000**		
			Program Code	201.121 Pavement Rehabilitation (CAPM)		
Carryover			**Performance Measure**	17.6 Lane mile(s)		
08-Riverside-62 R6.7/9.2 0023C 0814000113	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. (G13 Contingency)	1E840 2019-20	R/W: $2,209 * Const: $35,355	PA&ED: $1,450 PS&E: $2,800 R/W Sup: $1,110 * Con Sup: $4,520	Prior Prior Prior 19-20	PA&ED: 6/28/2016 R/W Cert: 12/16/2019 RTL: 3/16/2020 Begin Con: 1/15/2021
			Subtotal: $37,564	$9,880		
			Total Project Cost:	**$47,444**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
			Program Code	201.121 Pavement Rehabilitation (CAPM)		
Carryover			**Performance Measure**	85.5 Lane mile(s)		

2018 SHOPP Project List
Riverside
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
08-Riverside-79 0.0/15.6 0066Q 0815000016	Near Temecula, from San Diego County line to Temecula city limits. Pavement rehabilitation.	1F690 2018-19	R/W: $10 Const: $8,742	PA&ED: $240 PS&E: $560 R/W Sup: $17 Con Sup: $800	Prior 18-19 18-19 18-19	PA&ED: 5/15/2018 R/W Cert: 4/12/2019 RTL: 5/10/2019 Begin Con: 2/14/2020
			Subtotal: $8,752	$1,617		
			Total Project Cost:	**$10,369**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 32.5 Lane mile(s)			
08-Riverside-10 R60.9/R74.0 3008A 0816000086	In and near Coachella, from 0.5 mile east of Coachella Canal to Hazy Gulch Bridge. Cold plane pavement and overlay with Portland Cement Concrete (PCC). Construct eastbound truck climbing lane. A one-lane temporary detour will be constructed in the median for traffic handling. (G13 Contingency)	1C081 2021-22	R/W: $10 * Const: $157,000	PA&ED: $7,000 PS&E: $15,800 R/W Sup: $90 * Con Sup: $22,000	Prior 20-21 20-21 21-22	PA&ED: 8/28/2020 R/W Cert: 4/22/2022 RTL: 5/27/2022 Begin Con: 1/13/2013
			Subtotal: $157,010	$44,890		
			Total Project Cost:	**$201,900**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 52.4 Lane mile(s)			
08-Riverside-10 R105.0/R134.0 3008Y 0816000087	Near Blythe, from Rice Road/SR-177 to Teed Ditch Bridge. Cold plane mainline pavement and overlay with Portland Cement Concrete (PCC). The shoulders and ramps will be milled and overlaid with Hot Mix Asphalt (HMA-A). A two lane temporary detour will be constructed in the median for traffic handling. (G13 Contingency)	1C082 2019-20	R/W: $10 * Const: $263,010	PA&ED: $16,900 PS&E: $21,800 R/W Sup: $153 * Con Sup: $37,500	Prior 19-20 19-20 19-20	PA&ED: 6/28/2019 R/W Cert: 4/24/2020 RTL: 5/29/2020 Begin Con: 1/15/2021
			Subtotal: $263,020	$76,353		
			Total Project Cost:	**$339,373**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 116.0 Lane mile(s)			
08-Riverside-10 R134.0/R156.5 3009K 0816000090	In and near Blythe, from Teed Ditch Bridge to Arizona State line. Cold plane mainline pavement and overlay with Portland Cement Concrete (PCC). The shoulders and ramps will be milled and overlaid with Hot Mix Asphalt (HMA-A). A two lane temporary detour will be constructed in the median for traffic handling. (G13 Contingency)	1C083 2021-22	R/W: $10 * Const: $207,000	PA&ED: $9,000 PS&E: $21,000 R/W Sup: $117 * Con Sup: $29,000	Prior 20-21 20-21 21-22	PA&ED: 8/28/2020 R/W Cert: 4/22/2022 RTL: 5/27/2022 Begin Con: 1/10/2023
			Subtotal: $207,010	$59,117		
			Total Project Cost:	**$266,127**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 90.0 Lane mile(s)			

2018 SHOPP Project List
Riverside
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
08-Riverside-15 R0.0/3.0 3003K 0815000231	In and near Temecula, from Rainbow Valley Boulevard to Front Street. Rehabilitate roadway.	1F141 2019-20	R/W: $10 Const: $34,890	PA&ED: $1,014 PS&E: $1,200 R/W Sup: $10 Con Sup: $5,181	Prior Prior Prior 19-20	PA&ED: 2/1/2018 R/W Cert: 8/1/2019 RTL: 2/3/2020 Begin Con: 9/1/2020
			Subtotal: $34,900	$7,405		
			Total Project Cost:	**$42,305**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 24.0 Lane mile(s)			
08-Riverside-74 11.0 3002J 0814000102	Near Lake Elsinore, at 0.8 mile west of Grand Avenue. Stabilize slope to protect safety of traveling public.	1E770 2018-19	R/W: $10 Const: $1,082	PA&ED: $140 PS&E: $250 R/W Sup: $20 Con Sup: $400	Prior Prior Prior 18-19	PA&ED: 10/24/2017 R/W Cert: 7/30/2018 RTL: 8/30/2018 Begin Con: 5/1/2019
			Subtotal: $1,092	$810		
			Total Project Cost:	**$1,902**		
Carryover			**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 1 Location(s)			
08-Riverside-10 0.0/R156.4 3005C 0815000162	In Riverside County, on Routes 10, 15, 71 and 215 at various locations. Replace existing guide signs with Type XI reflectivity.	1F372 2018-19	R/W: $10 Const: $9,069	PA&ED: $333 PS&E: $722 R/W Sup: $45 Con Sup: $1,214	Prior Prior Prior 18-19	PA&ED: 9/13/2017 R/W Cert: 2/1/2019 RTL: 5/1/2019 Begin Con: 12/2/2019
			Subtotal: $9,079	$2,314		
			Total Project Cost:	**$11,393**		
Carryover			**Program Code** 201.170 Signs and Lighting Rehabilitation **Performance Measure** 758 Sign(s)			
08-Riverside-60 R0.0/22.3 0022K 0815000163	In the cities of Eastvale, Jurupa Valley, Riverside and Moreno Valley, from Hamner Avenue to Gilman Spring Road; also on Route 91, from Route 15 to Madison Street. Replace existing guide signs with retro-reflective sheeting.	1F371 2019-20	R/W: $10 Const: $1,592	PA&ED: $125 PS&E: $260 R/W Sup: $15 Con Sup: $210	Prior 18-19 18-19 19-20	PA&ED: 7/2/2018 R/W Cert: 9/3/2019 RTL: 3/2/2020 Begin Con: 11/2/2020
			Subtotal: $1,602	$610		
			Total Project Cost:	**$2,212**		
Carryover			**Program Code** 201.170 Signs and Lighting Rehabilitation **Performance Measure** 221 Lighting fixture(s)			

2018 SHOPP Project List
Riverside
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
MOBILITY									
08-Riverside-91 7.4/15.6 3005X 0816000194	In the cities from Corona and Riverside, from Route 15/91 separator to Adams Street overcrossing. Convert existing limited access HOV lanes to continuous access HOV lanes to allow safer ingress and egress movements for HOV.	1G192 2018-19	R/W: Const:	$10 $463	PA&ED: PS&E: R/W Sup: Con Sup:	$33 $96 $10 $162	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	3/26/2018 12/28/2018 2/25/2019 7/29/2019
			Subtotal:	$473		$301			
			Total Project Cost:			**$774**			
Carryover			**Program Code**	201.310 Operational Improvements					
			Performance Measure	126 1,000 vehicle hour(s)/yr					
08-Riverside-Var 3006W 0817000074	In Riverside and San Bernardino Counties, on various routes and at various locations. Repair and replace vehicle detection equipment impacting the operations of the District Transportation Management Center (TMC).	1H530 2018-19	R/W: Const:	$10 $4,260	PA&ED: PS&E: R/W Sup: Con Sup:	$346 $912 $90 $1,274	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	2/15/2018 9/14/2018 10/15/2018 6/14/2019
			Subtotal:	$4,270		$2,622			
			Total Project Cost:			**$6,892**			
Carryover			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	188 Field element(s)					
ROADSIDE PRESERVATION									
08-Riverside-10 6.0/70.0 3002Q 0814000249	In Riverside County, on Routes 10, 62, 74, 86, and 111 at various locations. Advance Mitigation. (Financial Contribution Only)	1F560 2018-19	R/W: Const:	$7,600	PA&ED: PS&E: R/W Sup: Con Sup:	$150 $15	Prior Prior	PA&ED: R/W Cert: RTL: Begin Con:	9/14/2017 4/15/2019
			Subtotal:	$7,600		$165			
			Total Project Cost:			**$7,765**			
Carryover			**Program Code**	201.240 Roadside Enhancement					
			Performance Measure	15 Location(s)					
MULTIPLE OBJECTIVE									
08-Riverside-74 34.3/45.1 3008L 0816000130	In and near Hemet, from Winchester Road to Fairview Avenue. Multi-objective project to rehabilitate pavement, install fiber optic/vehicle detection stations and upgrade curb ramps to meet Americans with Disabilities Act (ADA) Standards.	1H060 2021-22	R/W: Const:	$1,267 $31,282	PA&ED: PS&E: R/W Sup: Con Sup:	$3,000 $5,140 $4,530 $4,100	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	9/15/2020 4/15/2022 5/16/2022 1/17/2023
			Subtotal:	$32,549		$16,770			
			Total Project Cost:			**$49,319**			
New			**Program Code**	201.999 MULTIPLE OBJECTIVE					
			Performance Measure	49 Centerline mile(s)					

2018 SHOPP Project List
Riverside

($1,000)

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

Riverside County

R/W:	$18,410	PA&ED:	$64,909
Const:	$1,026,462	PS&E:	$101,865
		R/W Sup:	$14,605
		Con Sup:	$160,651
Subtotal:	$1,044,872		$342,030
Total (Capital + Support):			**$1,386,902**

2018 SHOPP Project List
Sacramento
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
03-Sacramento-Var 3855 0318000128	In Sacramento, Yolo, Placer, and Glenn Counties, on Routes 5, 16, 45, 49, 50, 65, 80, 99, 113, and 174 at various locations. Install traffic operations elements such as queue warning systems, flashing beacons, and lighting, and modify existing signals to new standards.	4H020 2018-19	R/W: $55 Const: $2,820 Subtotal: $2,875	PA&ED: $330 PS&E: $400 R/W Sup: $120 Con Sup: $390 $1,240	Prior Prior Prior 18-19	PA&ED: 6/1/2018 R/W Cert: 12/15/2018 RTL: 1/1/2019 Begin Con: 4/2/2019
			Total Project Cost:	**$4,115**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 125 Collision(s) reduced			
03-Sacramento-12 0.4/1.0 5961 0317000167	Near Rio Vista, at Route 160. Intersection improvements.	2H640 2019-20	R/W: $6 Const: $2,468 Subtotal: $2,474	PA&ED: $310 PS&E: $560 R/W Sup: $100 Con Sup: $1,030 $2,000	Prior 18-19 18-19 19-20	PA&ED: 8/1/2018 R/W Cert: 11/15/2019 RTL: 12/1/2019 Begin Con: 4/5/2020
			Total Project Cost:	**$4,474**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 26 Collision(s) reduced			
03-Sacramento-5 0.1/34.6 5850 0314000232	In Sacramento County, on Routes 5, 80, and 99 at various locations; also in Yolo County on Route 80 (PM 0.0/R11.7). Upgrade guard rail to current standards.	4F640 2018-19	R/W: $15 Const: $2,280 Subtotal: $2,295	PA&ED: $335 PS&E: $565 R/W Sup: $115 Con Sup: $295 $1,310	Prior Prior Prior 18-19	PA&ED: 7/7/2017 R/W Cert: 9/1/2018 RTL: 10/1/2018 Begin Con: 5/1/2019
			Total Project Cost:	**$3,605**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 8 Collision(s) reduced			
03-Sacramento-5 33.7 5848 0314000186	Near the city of Sacramento, at the Elkhorn Safety Roadside Rest Area (SRRA). Upgrade potable water and wastewater systems.	4F580 2018-19	R/W: $4 Const: $3,000 Subtotal: $3,004	PA&ED: $380 PS&E: $370 R/W Sup: $50 Con Sup: $810 $1,610	Prior Prior Prior 18-19	PA&ED: 9/8/2017 R/W Cert: 1/11/2019 RTL: 1/18/2019 Begin Con: 7/20/2019
			Total Project Cost:	**$4,614**		
Carryover			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 1 Location(s)			

2018 SHOPP Project List
Sacramento
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-Sacramento-50 R0.5/R3.2 6246 0316000051	In Sacramento, from Stockton Boulevard to Folsom Boulevard. Construct textured pavement in narrow areas, pave partial slopes, relocate and reconstruct irrigation system, and install plantings and mulch to reduce maintenance and improve highway worker safety.	1H050 2020-21	R/W: Const:	$10 $4,000	PA&ED: PS&E: R/W Sup: Con Sup:	$170 $520 $40 $480	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/1/2019 9/15/2020 10/1/2020 5/1/2021
			Subtotal:	$4,010		$1,210			
			Total Project Cost:			**$5,220**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		76	Location(s)			
03-Sacramento-51 1.6/4.4 6413 0317000064	In the city of Sacramento, from 0.1 mile south of B Street Underpass to 0.4 mile north of Arden Way. Pave areas behind the gore and at narrow and miscellaneous locations, place vegetation control, and construct Maintenance Vehicle Pullouts (MVPs) to reduce maintenance and improve highway worker safety.	2H110 2021-22	R/W: Const:	$10 $4,000	PA&ED: PS&E: R/W Sup: Con Sup:	$280 $530 $50 $1,120	19-20 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2020 7/1/2021 8/1/2021 1/1/2022
			Subtotal:	$4,010		$1,980			
			Total Project Cost:			**$5,990**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		61	Location(s)			
03-Sacramento-80 M9.1/R11.4 6716 0317000068	In and near the city of Sacramento, from Del Paso Park Separation to 0.4 mile north of Route 80/244 Separation; also on Route 51 from PM 8.3 to 8.6 and Route 244 from PM 0.0 to 0.9. Pave areas behind the gore and at narrow and miscellaneous locations, place vegetation control, and construct Maintenance Vehicle Pullouts (MVPs) to reduce maintenance and improve highway worker safety.	2H150 2020-21	R/W: Const:	$0 $3,700	PA&ED: PS&E: R/W Sup: Con Sup:	$250 $570 $10 $1,050	19-20 19-20 20-21 20-21	PA&ED: R/W Cert: RTL: Begin Con:	6/15/2020 4/6/2021 4/6/2021 9/30/2021
			Subtotal:	$3,700		$1,880			
			Total Project Cost:			**$5,580**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		49	Location(s)			
03-Sacramento-80 R11.4/18.0 6715 0317000065	In and near Citrus Heights, from 0.4 mile north of the Route 80/244 Separation to the Placer County line. Pave areas behind the gore and at narrow and miscellaneous locations, place vegetation control, and construct Maintenance Vehicle Pullouts (MVPs) to reduce maintenance and improve highway worker safety.	2H120 2021-22	R/W: Const:	$0 $2,500	PA&ED: PS&E: R/W Sup: Con Sup:	$260 $500 $10 $1,000	20-21 20-21 21-22 21-22	PA&ED: R/W Cert: RTL: Begin Con:	6/15/2021 4/16/2022 5/6/2022 9/30/2022
			Subtotal:	$2,500		$1,770			
			Total Project Cost:			**$4,270**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		67	Location(s)			

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
BRIDGE PRESERVATION						
03-Sacramento-12 0.0/0.4 5960 0316000059	In and near Rio Vista, at the Sacramento River Bridge No. 23-0024; also in Solano County from PM 26.3 to PM 26.4. Rehabilitate movable bridge electrical and mechanical systems and upgrade Americans with Disabilities Act (ADA) facilities.	1H130 2021-22	R/W: $100 Const: $16,400	PA&ED: $760 PS&E: $2,460 R/W Sup: $20 Con Sup: $3,120	18-19 19-20 19-20 21-22	PA&ED: 7/1/2019 R/W Cert: 6/1/2021 RTL: 7/1/2021 Begin Con: 2/1/2022
			Subtotal: $16,500	$6,360		
			Total Project Cost:	**$22,860**		
New			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
03-Sacramento-51 2.0/3.5 6402 0312000054	In the city of Sacramento at the American River Bridge No.24-0003 from north of B Street Underpass to north of Exposition Boulevard Overcrossing. Widen and replace bridge deck. (G13 Contingency Project)	3F070 2021-22	R/W: $2,000 * Const: $123,000	PA&ED: $4,340 PS&E: $12,000 R/W Sup: $600 * Con Sup: $22,000	Prior 19-20 19-20 21-22	PA&ED: 11/1/2019 R/W Cert: 10/1/2021 RTL: 11/1/2021 Begin Con: 2/15/2022
			Subtotal: $125,000	$38,940		
			Total Project Cost:	**$163,940**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
03-Sacramento-99 21.9/23.6 6923B 0317000153	In the city of Sacramento, at 21st Avenue Undercrossing No. 24-0154. Replace bridge deck.	0H342 2019-20	R/W: $5 Const: $4,560	PA&ED: $210 PS&E: $240 R/W Sup: $3 Con Sup: $825	Prior Prior Prior 19-20	PA&ED: 2/1/2018 R/W Cert: 7/1/2019 RTL: 7/1/2019 Begin Con: 1/15/2020
			Subtotal: $4,565	$1,278		
			Total Project Cost:	**$5,843**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
03-Sacramento-99 4.9 6916 0313000136	On Route 99, at South Lagoon Creek Bridge No. 24 -0028L, Lagoon Creek Bridge No. 24 -0045L (PM 5.0), and North Lagoon Creek Bridge No. 24-0027L (PM 5.1); also on Route 160 (PM R44.5) at American River Bridge No. 24-0001L. Scour mitigation and bridge replacement.	3F540 2018-19	R/W: $500 Const: $20,270	PA&ED: $872 PS&E: $2,000 R/W Sup: $50 Con Sup: $3,100	Prior Prior Prior 18-19	PA&ED: 10/1/2017 R/W Cert: 3/15/2019 RTL: 4/1/2019 Begin Con: 7/17/2019
			Subtotal: $20,770	$6,022		
			Total Project Cost:	**$26,792**		
Carryover			**Program Code** 201.111 Bridge Scour Mitigation **Performance Measure** 4 Bridge(s)			

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
03-Sacramento-80 M6.5/M8.8 6412 0317000032	In and near the city of Sacramento, from west of Rio Linda Boulevard Undercrossing (UC) No. 24-0203 to east of Winters Street UC No. 24-0205; also on Route 51 from south of Route 51/244, 80 Separation No. 24-0291L to north of Route 51/244, 80 Connector No. 24-0293R (PM 8.2 to 8.6). Upgrade bridge rails at four structures and widen for standard shoulders.	1H910 2021-22	R/W: $6 Const: $20,104 Subtotal: $20,110	PA&ED: $1,300 PS&E: $3,000 R/W Sup: $500 Con Sup: $4,300 $9,100	18-19 19-20 19-20 21-22	PA&ED: 10/1/2019 R/W Cert: 1/3/2022 RTL: 1/15/2022 Begin Con: 5/15/2022
			Total Project Cost:	**$29,210**		
New			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 4413.0 Linear feet			
03-Sacramento-99 7.1/9.4 6912 0312000069	In and near Elk Grove, from 0.3 mile south of Dillard Road Overcrossing to south of Grant Line Road (replace Consumnes River Bridge No. 24-0020L/R, and Consumnes River Overflow Bridge No. 24-0021L/R; upgrade bridge rails at Dillard Road Overcrossing No. 24-0163; construct new McConnell Overhead No. 24-0048L. Bridge seismic retrofit, bridge scour retrofit, bridge rail replacement, and bridge replacement. (G13 Contingency)	0F280 2019-20	R/W: $6,000 * Const: $113,000 Subtotal: $119,000	PA&ED: $1,700 PS&E: $3,500 R/W Sup: $600 * Con Sup: $14,200 $20,000	Prior Prior Prior 19-20	PA&ED: 7/1/2019 R/W Cert: 4/1/2020 RTL: 5/1/2020 Begin Con: 10/15/2020
			Total Project Cost:	**$139,000**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 3178.0 Linear feet			
03-Sacramento-99 R32.1 6707 0314000024	In the city of Sacramento, at Southbound Route 99/5 Connector Overcrossing No. 24-0241F; also, on Route 80 at Longview Ramp Overcrossing No. 24-0281K (PM M9.15). Seismic retrofit two structures.	4F100 2019-20	R/W: Const: $1,900 Subtotal: $1,900	PA&ED: $321 PS&E: $759 R/W Sup: $18 Con Sup: $691 $1,789	Prior Prior Prior 19-20	PA&ED: 4/1/2018 R/W Cert: 11/1/2019 RTL: 12/15/2019 Begin Con: 6/1/2020
			Total Project Cost:	**$3,689**		
Carryover			**Program Code** 201.113 Bridge Seismic Restoration **Performance Measure** 2 Bridge(s)			
03-Sacramento-50 L0.0/L0.5 6247 0316000056	In the city of Sacramento, from the Sacramento River Viaduct (Pioneer Bridge) to 4th Street; also on Route 5 from 0.2 mile south of Broadway to S Street (PM 22.15 to 22.91). Clean and paint steel bridge girders within Route 5/50 Interchange.	1H100 2020-21	R/W: $20 Const: $16,700 Subtotal: $16,720	PA&ED: $350 PS&E: $940 R/W Sup: $10 Con Sup: $3,010 $4,310	18-19 19-20 19-20 20-21	PA&ED: 7/1/2019 R/W Cert: 2/1/2021 RTL: 2/1/2021 Begin Con: 9/1/2021
			Total Project Cost:	**$21,030**		
New			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 11 Bridge(s)			

2018 SHOPP Project List
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($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
03-Sacramento-5 22.1/26.7 5868 0317000340	In the city of Sacramento, from 0.5 mile south of Route 50 to Route 80 at South Connector Undercrossing No. 24-0267 (PM 22.42) and at American River Viaduct No. 24-0068L/R (PM 24.82). Improve to standard truck capacity. ACCELERATED BRIDGE (PA&ED Only)	3H390 2021-22	* R/W: $3,110 * Const: $176,700	PA&ED: $16,780 * PS&E: $19,340 * R/W Sup: $2,910 * Con Sup: $28,390	Prior 21-22 21-22 21-22	PA&ED: 12/1/2019 R/W Cert: 11/1/2021 RTL: 11/15/2021 Begin Con: 4/15/2022
			Subtotal: $179,810	$67,420		
			Total Project Cost:	**$247,230**		
			** Const, * R/W, * PS&E, * R/W Sup, * Con Sup phase(s) are NOT authorized*			
Carryover			**Program Code** 201.322 Trans Permit Requirements for Bridges **Performance Measure** 3 Bridge(s)			

ROADWAY PRESERVATION

03-Sacramento-50 L0.6/R5.3 6177 0315000074	In the city of Sacramento, from Route 5 to Watt Avenue. Roadway rehabilitation. (G13 Contingency)	0H080 2019-20	R/W: $3,900 * Const: $216,000	PA&ED: $7,800 PS&E: $17,000 R/W Sup: $1,800 * Con Sup: $31,800	Prior 19-20 Prior 19-20	PA&ED: 12/1/2018 R/W Cert: 2/3/2020 RTL: 2/14/2020 Begin Con: 8/1/2020
			Subtotal: $219,900	$58,400		
			Total Project Cost:	**$278,300**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 56.0 Lane mile(s)			
03-Sacramento-80 M1.2/R11.3 6711 0315000197	In and near the city of Sacramento, from west of West El Camino Avenue to east of Route 244. Pavement rehabilitation.	0H470 2018-19	R/W: $25 Const: $10,515	PA&ED: $550 PS&E: $1,110 R/W Sup: $105 Con Sup: $2,000	Prior Prior Prior 18-19	PA&ED: 10/3/2017 R/W Cert: 12/11/2018 RTL: 1/11/2019 Begin Con: 7/15/2019
			Subtotal: $10,540	$3,765		
			Total Project Cost:	**$14,305**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 0.1 Lane mile(s)			
03-Sacramento-80 M9.6/12.9 6714 0316000065	Near the city of Sacramento, from 0.2 mile east of Longview Drive to 0.4 mile east of Madison Avenue. Pavement rehabilitation.	1H190 2021-22	R/W: $100 Const: $14,000	PA&ED: $50 PS&E: $1,500 R/W Sup: $80 Con Sup: $2,500	Prior 19-20 19-20 21-22	PA&ED: 8/1/2019 R/W Cert: 9/20/2021 RTL: 10/15/2021 Begin Con: 4/1/2022
			Subtotal: $14,100	$4,130		
			Total Project Cost:	**$18,230**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 35.6 Lane mile(s)			

2018 SHOPP Project List
Sacramento
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-Sacramento-99 0.2/1.6 6924 0315000198	In Galt, from the San Joaquin County line to Simmerhorn Road; also in the cities of Elk Grove and Sacramento, from 0.7 mile south of Elk Grove Boulevard to Martin Luther King Jr. Boulevard (PM 11.9/21.5). Pavement rehabilitation.	0H480 2018-19	R/W: Const:	$22 $38,760	PA&ED: PS&E: R/W Sup: Con Sup:	$850 $1,700 $80 $3,600	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	5/15/2017 11/1/2018 11/16/2018 3/1/2019
			Subtotal:	$38,782		$6,230			
			Total Project Cost:			**$45,012**			
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 67.8 Lane mile(s)						

MOBILITY

03-Sacramento-50 R2.6/R3.8 6200 0300001105	In the city of Sacramento, from 65th Street to east of Howe Avenue. Construct westbound auxiliary lane.	1F190 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	PA&ED: R/W Cert: RTL: Begin Con:	5/3/2017 2/1/2019 3/1/2019 10/1/2019
			Subtotal:	$3,086		$844			
			Total Project Cost:			**$3,930**			
Carryover			**Program Code** 201.310 Operational Improvements **Performance Measure** 88 Daily vehicle hour(s) of delay (DVHD)						
03-Sacramento-50 R3.5 6242 0315000211	In the city of Sacramento, at Hornet Drive eastbound offramp. Widen ramp, add signal and right-turn lane.	0H580 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	PA&ED: R/W Cert: RTL: Begin Con:	12/10/2016 10/1/2018 10/7/2018 4/9/2019
			Subtotal:	$1,430		$1,290			
			Total Project Cost:			**$2,720**			
Carryover			**Program Code** 201.310 Operational Improvements **Performance Measure** 2740 Daily vehicle hour(s) of delay (DVHD)						
03-Sacramento-50 R7.7/R9.5 6197 0300001101	In and near Rancho Cordova, from Bradshaw Road to Mather Field Road. Operational improvements that construct auxiliary lanes in both westbound and eastbound directions.	1F150 2020-21	R/W: Const:	$150 $7,250	PA&ED: PS&E: R/W Sup: Con Sup:	$396 $659 $103 $940	19-20 20-21 20-21 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/1/2019 11/1/2020 11/15/2020 5/15/2021
			Subtotal:	$7,400		$2,098			
			Total Project Cost:			**$9,498**			
New			**Program Code** 201.310 Operational Improvements **Performance Measure** 450 Daily vehicle hour(s) of delay (DVHD)						

2018 SHOPP Project List
Sacramento
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
03-Sacramento-5 6411 0317000009	In the city of Sacramento, at various locations and routes at the Route 5/99 Interchange Connector ramps and the eastbound Route 51/160 Interchange Connector ramp. Install connector ramp meters.	1H850 2020-21	R/W: $20 Const: $3,000	PA&ED: $320 PS&E: $660 R/W Sup: $20 Con Sup: $1,020	Prior 18-19 18-19 20-21	PA&ED: 8/1/2019 R/W Cert: 7/1/2020 RTL: 8/1/2020 Begin Con: 1/1/2021
			Subtotal: $3,020	$2,020		
			Total Project Cost:	**$5,040**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 4 Field element(s)			
03-Sacramento-5 8920 0317000173	In Placer, Sacramento, and Yolo Counties, on routes 5, 80, 99, and 113. Replace obsolete Microwave Vehicle Detection System (MVDS) elements.	2H700 2018-19	R/W: $15 Const: $1,403	PA&ED: $148 PS&E: $249 R/W Sup: $22 Con Sup: $507	Prior Prior Prior 18-19	PA&ED: 4/1/2018 R/W Cert: 9/15/2018 RTL: 10/1/2018 Begin Con: 5/5/2019
			Subtotal: $1,418	$926		
			Total Project Cost:	**$2,344**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 48 Field element(s)			
03-Sacramento-5 9.7/22.7 5846 0314000164	In Sacramento, from 1.1 miles south of Elk Grove Boulevard to Route 50. Install fiber optic cable.	4F450 2018-19	R/W: $600 Const: $6,600	PA&ED: $540 PS&E: $900 R/W Sup: $440 Con Sup: $1,500	Prior Prior Prior 18-19	PA&ED: 6/23/2016 R/W Cert: 4/24/2017 RTL: 6/30/2017 Begin Con: 6/30/2018
			Subtotal: $7,200	$3,380		
			Total Project Cost:	**$10,580**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 13 Mile(s) of cable			
03-Sacramento-50 L0.0/17.5 6250 0317000325	In and near the cities of Sacramento, Rancho Cordova, and Folsom, from Yolo County line to Folsom Boulevard; also in Yolo County in West Sacramento, from Route 80 to Sacramento County line (PM 0.0 to 3.156), and on Route 80 from Enterprise Boulevard to Route 50 (PM 9.2 to R9.552). Install Transportation Management System (TMS) field elements.	3H330 2020-21	R/W: $200 Const: $38,400	PA&ED: $940 PS&E: $2,700 R/W Sup: $520 Con Sup: $3,900	18-19 18-19 18-19 20-21	PA&ED: 3/1/2019 R/W Cert: 9/15/2020 RTL: 10/1/2020 Begin Con: 4/1/2021
			Subtotal: $38,600	$8,060		
			Total Project Cost:	**$46,660**		
New			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 122 Field element(s)			

2018 SHOPP Project List
Sacramento
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
03-Sacramento-50 12.5/23.1 6248 0317000006	In and near Rancho Cordova and Folsom, from Sunrise Boulevard to the county line; also in El Dorado County near El Dorado Hills, from the county line to Silva Valley Parkway (PM 0.0/1.7). Install fiber optic cable.	1H820 2020-21	R/W: $21 Const: $4,650	PA&ED: $240 PS&E: $950 R/W Sup: $110 Con Sup: $1,050	Prior 18-19 18-19 20-21	PA&ED: 11/1/2018 R/W Cert: 6/15/2020 RTL: 7/1/2020 Begin Con: 11/1/2020
			Subtotal: $4,671	$2,350		
			Total Project Cost:	**$7,021**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 12.3 Mile(s) of cable			
03-Sacramento-80 6717 0317000157	In various counties, on various routes. Repair or replace damaged inductive loop vehicle detection elements.	2H570 2018-19	R/W: $15 Const: $922	PA&ED: $94 PS&E: $211 R/W Sup: $22 Con Sup: $365	Prior Prior Prior 18-19	PA&ED: 4/1/2018 R/W Cert: 9/15/2018 RTL: 10/1/2018 Begin Con: 5/5/2019
			Subtotal: $937	$692		
			Total Project Cost:	**$1,629**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 300 Field element(s)			
03-Sacramento-80 M0.1/18.0 6713 0315000204	In and near the cities of Sacramento and Citrus Heights, from east of the Yolo County line to the Placer County line; also in Placer County, in the city of Roseville from the Sacramento County line to east of the Sacramento County line (PM 0.0/0.7). Install fiber optic communication line.	0H540 2019-20	R/W: $50 Const: $12,200	PA&ED: $1,200 PS&E: $1,200 R/W Sup: $300 Con Sup: $1,800	Prior Prior Prior 19-20	PA&ED: 3/1/2018 R/W Cert: 11/1/2019 RTL: 11/15/2019 Begin Con: 5/15/2020
			Subtotal: $12,250	$4,500		
			Total Project Cost:	**$16,750**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 18.4 Mile(s) of cable			
03-Sacramento-99 10.0/R24.3 6925 0316000005	In and near the cities of Elk Grove and Sacramento, from Grant Line Road to Route 50; also on Route 51, from Route 50 to 0.1 mile south of the Fort Sutter Viaduct (PM 0.0 to 0.1). Install fiber optic cable.	0H670 2021-22	R/W: $100 Const: $9,000	PA&ED: $700 PS&E: $1,000 R/W Sup: $50 Con Sup: $1,300	Prior 20-21 20-21 21-22	PA&ED: 10/1/2020 R/W Cert: 9/1/2021 RTL: 10/1/2021 Begin Con: 5/1/2022
			Subtotal: $9,100	$3,050		
			Total Project Cost:	**$12,150**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 14 Mile(s) of cable			

2018 SHOPP Project List
Sacramento
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-Sacramento-80 15.2/17.0 6712 0315000203	In Citrus Heights, from east of Elkhorn Boulevard/Greenback Lane to west of Riverside Avenue. Upgrade weigh-in-motion (WIM) station and widen the westbound auxiliary lane to the Antelope Truck Scales.	0H530 2018-19	R/W: Const:	$50 $3,700	PA&ED: PS&E: R/W Sup: Con Sup:	$350 $600 $100 $740	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2018 3/1/2019 3/15/2019 8/1/2019
			Subtotal:	$3,750		$1,790			
			Total Project Cost:			**$5,540**			
Carryover			**Program Code** 201.321 Weigh Stations **Performance Measure** 1 Location(s)						

ROADSIDE PRESERVATION

03-Sacramento-5 22.0/22.9 5865 0317000066	In the city of Sacramento, from south of Broadway to 0.12 mile south of R Street. Highway planting rehabilitation.	2H130 2021-22	R/W: Const:	$10 $2,500	PA&ED: PS&E: R/W Sup: Con Sup:	$230 $520 $80 $430	19-20 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2020 7/25/2021 8/1/2021 3/5/2022
			Subtotal:	$2,510		$1,260			
			Total Project Cost:			**$3,770**			
New			**Program Code** 201.210 Highway Planting Restoration **Performance Measure** 16 Acre(s)						

Sacramento County

R/W:	$17,255	PA&ED:	$43,761
Const:	$890,682	PS&E:	$79,928
		R/W Sup:	$9,172
		Con Sup:	$140,143
Subtotal:	$907,937		$273,004
Total (Capital + Support):			**$1,180,941**

2018 SHOPP Project List
San Benito
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
05-San Benito-25 18.8/19.1 2697 0516000164	Near Pinnacles National Park, from 0.7 miles north of San Benito Lateral/Old Hernandez Road to 2.4 miles south of Route 146. Improve curve and flatten slope.	1H810 2019-20	R/W: Const:	$363 $4,265	PA&ED: PS&E: R/W Sup: Con Sup:	$1,181 $1,756 $345 $1,506	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	11/13/2018 2/19/2020 4/6/2020 10/28/2020
			Subtotal:	$4,628		$4,788			
			Total Project Cost:			**$9,416**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		14 Collision(s) reduced				

San Benito County

R/W:	$363	PA&ED:	$1,181
Const:	$4,265	PS&E:	$1,756
		R/W Sup:	$345
		Con Sup:	$1,506
Subtotal:	$4,628		$4,788
Total (Capital + Support):			**$9,416**

2018 SHOPP Project List
San Bernardino

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
08-San Bernardino-15 R20.6/R20.9 3006U 0817000032	Near Hesperia, from Cleghorn Road Undercrossing to Route 138 at the southbound Cajon Truck Facility. Reconstruct southbound truck scale that was destroyed by the Blue Cut Fire.	1H390 2018-19	R/W: $10 Const: $2,146	PA&ED: $286 PS&E: $488 R/W Sup: $20 Con Sup: $550	Prior Prior Prior 18-19	PA&ED: 6/1/2018 R/W Cert: 9/1/2018 RTL: 10/1/2018 Begin Con: 6/30/2019
			Subtotal: $2,156	$1,344		
			Total Project Cost:	**$3,500**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 1 Location(s)			
08-San Bernardino-15 40.3/40.7 3006T 0817000024	In Victorville, near Palmdale Road (Route 18) and Route 15. Restore vegetation and irrigation system due to fire damage.	1H271 2018-19	R/W: $10 Const: $1,061	PA&ED: $206 PS&E: $493 R/W Sup: $54 Con Sup: $577	Prior Prior Prior 18-19	PA&ED: 4/16/2018 R/W Cert: 11/15/2018 RTL: 12/15/2018 Begin Con: 6/18/2019
			Subtotal: $1,071	$1,330		
			Total Project Cost:	**$2,401**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 1 Location(s)			
08-San Bernardino-15 R110.0 3005L 0816000060	Near Baker, at 1.6 miles south of Afton Road Overcrossing. Reconstruct eroded earthen dike that protects the highway from inundation and flooding. The failed section of berm is located 750 yards from the southbound 1-15 outside shoulder.	1G740 2019-20	R/W: $128 Const: $1,691	PA&ED: $1,000 PS&E: $540 R/W Sup: $102 Con Sup: $540	Prior 19-20 19-20 19-20	PA&ED: 6/18/2019 R/W Cert: 4/15/2020 RTL: 5/18/2020 Begin Con: 1/4/2021
			Subtotal: $1,819	$2,182		
			Total Project Cost:	**$4,001**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 1 Location(s)			
08-San Bernardino-40 0.4 3006V 0817000031	In Barstow, at 0.4 mile east of Route 15/40 Separation. Reconstruct a damaged section of trapezoidal channel.	1H400 2019-20	R/W: $10 Const: $6,951	PA&ED: $390 PS&E: $780 R/W Sup: $20 Con Sup: $975	Prior 18-19 18-19 19-20	PA&ED: 1/4/2019 R/W Cert: 11/22/2019 RTL: 12/27/2019 Begin Con: 7/10/2020
			Subtotal: $6,961	$2,165		
			Total Project Cost:	**$9,126**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 1 Location(s)			

2018 SHOPP Project List
San Bernardino

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
08-San Bernardino-62 124.0/142.0 3005P 0815000106	Near Vidal Junction, from west of Route 95 to west of Parker Dam Road. Restore storm eroded embankments with Rock Slope Protection (RSP). A previous Emergency Opening EA 08-1F660 repaired roadway.	1G010 2019-20	R/W: Const:	$107 $8,435	PA&ED: PS&E: R/W Sup: Con Sup:	$1,279 $902 $76 $1,940	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	11/1/2018 2/3/2020 5/1/2020 2/16/2021
			Subtotal:	$8,542		$4,197			
			Total Project Cost:			**$12,739**			
Carryover			**Program Code**		201.131 Permanent Restoration				
			Performance Measure		10 Location(s)				
08-San Bernardino-173 18.7 3006J 0817000006	Near Cedar Glen, at 0.1 mile south of Hospital Road. Widen shoulder and replace guard rail with concrete barrier mounted on soldier pile wall.	1H290 2019-20	R/W: Const:	$10 $2,345	PA&ED: PS&E: R/W Sup: Con Sup:	$713 $1,080 $93 $1,376	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	11/15/2018 3/13/2020 4/15/2020 12/15/2020
			Subtotal:	$2,355		$3,262			
			Total Project Cost:			**$5,617**			
Carryover			**Program Code**		201.131 Permanent Restoration				
			Performance Measure		1 Location(s)				
COLLISION REDUCTION									
08-San Bernardino-18 97.0/99.5 3006F 0813000140	In Victorville, from Amargosa Road to Cobalt Road. Construct raised curb median.	1E060 2019-20	R/W: Const:	$884 $5,087	PA&ED: PS&E: R/W Sup: Con Sup:	$920 $1,150 $480 $1,050	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/30/2018 4/1/2020 5/1/2020 9/30/2020
			Subtotal:	$5,971		$3,600			
			Total Project Cost:			**$9,571**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		25 Collision(s) reduced				
08-San Bernardino-62 34.1/34.6 3005K 0815000238	In Twentynine Palms, from 0.1 mile west of to 0.4 mile east of Utah Trail. Install traffic signals meeting current Americans with Disabilities Act (ADA) Standards, crosswalks and flashing beacon system.	1G450 2018-19	R/W: Const:	$25 $826	PA&ED: PS&E: R/W Sup: Con Sup:	$397 $486 $42 $590	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/30/2017 8/14/2018 9/14/2018 4/15/2019
			Subtotal:	$851		$1,515			
			Total Project Cost:			**$2,366**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		13 Collision(s) reduced				

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
08-San Bernardino-95 9.6/56.5 3006H 0815000047	Near Needles, from Route 62 to 0.8 mile south of Route 40. Construct ground-in shoulder and centerline rumble strips.	1F780 2019-20	R/W: $10 Const: $1,390	PA&ED: $650 PS&E: $700 R/W Sup: $30 Con Sup: $450	Prior Prior Prior 19-20	PA&ED: 2/8/2018 R/W Cert: 10/30/2018 RTL: 11/30/2018 Begin Con: 5/30/2019
			Subtotal: $1,400	$1,830		
			Total Project Cost:	**$3,230**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 57 Collision(s) reduced			
08-San Bernardino-215 4.8/5.8 3010E 0817000132	In the city of San Bernardino, from 0.2 mile south of Orange Show Road/ Auto Center Drive to 0.2 mile north of Inland Center Drive. Lane reconfiguration and pavement widening.	1H770 2019-20	R/W: $10 Const: $6,448	PA&ED: $1,065 PS&E: $1,615 R/W Sup: $31 Con Sup: $1,950	Prior 18-19 18-19 19-20	PA&ED: 1/15/2019 R/W Cert: 2/1/2020 RTL: 4/1/2020 Begin Con: 11/25/2020
			Subtotal: $6,458	$4,661		
			Total Project Cost:	**$11,119**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 123 Collision(s) reduced			
08-San Bernardino-247 20.3/76.8 3006K 0815000051	In and near Barstow, from 0.1 mile north of Boone Road to 0.7 mile south of Rimrock Road. Construct ground-in shoulder and centerline rumble strips.	1F770 2019-20	R/W: $10 Const: $1,953	PA&ED: $600 PS&E: $720 R/W Sup: $60 Con Sup: $550	Prior Prior Prior 19-20	PA&ED: 12/15/2017 R/W Cert: 7/10/2018 RTL: 7/30/2018 Begin Con: 10/23/2018
			Subtotal: $1,963	$1,930		
			Total Project Cost:	**$3,893**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 65 Collision(s) reduced			
08-San Bernardino-15 R96.1/R124.3 3002E 0813000003	Near Barstow, from 0.3 mile south of Harvard Road to Rasor Road. Regrade and flatten median cross slope.	1C720 2019-20	R/W: $10 Const: $15,058	PA&ED: $890 PS&E: $920 R/W Sup: $50 Con Sup: $3,160	Prior Prior Prior 19-20	PA&ED: 12/20/2017 R/W Cert: 12/30/2019 RTL: 1/30/2020 Begin Con: 10/22/2020
			Subtotal: $15,068	$5,020		
			Total Project Cost:	**$20,088**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 87 Collision(s) reduced			

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
08-San Bernardino-40 R25.0/R50.0 3007X 0812000028	Near Barstow, from 1.4 miles east of Fort Cady Road Overcrossing to Crucero Road Undercrossing. Regrade median cross slopes.	0R170 2021-22	R/W: $2,075 Const: $28,488	PA&ED: $3,200 PS&E: $1,900 R/W Sup: $300 Con Sup: $3,300	18-19 20-21 20-21 21-22	PA&ED: 11/30/2020 R/W Cert: 1/31/2022 RTL: 2/28/2022 Begin Con: 11/30/2022
			Subtotal: $30,563	$8,700		
			Total Project Cost:	**$39,263**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 75 Collision(s) reduced			
08-San Bernardino-40 R75.0/R100.0 3001R 0812000025	Near Essex, from west of Kelbaker Road to Essex Road. Regrade and flatten median cross slope.	0R150 2018-19	R/W: $5,010 Const: $21,178	PA&ED: $3,000 PS&E: $2,500 R/W Sup: $200 Con Sup: $3,200	Prior 18-19 18-19 18-19	PA&ED: 8/31/2018 R/W Cert: 4/30/2019 RTL: 5/31/2019 Begin Con: 1/31/2020
			Subtotal: $26,188	$8,900		
			Total Project Cost:	**$35,088**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 150 Collision(s) reduced			
08-San Bernardino-40 R100.0/R125.0 3002W 0815000200	Near Needles, from Essex Road Overcrossing to 4.5 miles east of Homer Wash Bridge. Regrade median cross slopes.	0R141 2020-21	R/W: $5,006 Const: $25,500	PA&ED: $3,300 PS&E: $2,500 R/W Sup: $300 Con Sup: $3,500	18-19 19-20 19-20 20-21	PA&ED: 3/31/2020 R/W Cert: 3/31/2021 RTL: 4/30/2021 Begin Con: 11/30/2021
			Subtotal: $30,506	$9,600		
			Total Project Cost:	**$40,106**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 164 Collision(s) reduced			
08-San Bernardino-40 R125.0/R154.6 3003J 0815000201	In and near Needles, from 4.5 miles east of Homer Wash to Arizona State line. Regrade and flatten median cross slope.	0R142 2019-20	R/W: $5,006 Const: $19,134	PA&ED: $2,900 PS&E: $2,300 R/W Sup: $200 Con Sup: $2,800	Prior 18-19 18-19 19-20	PA&ED: 11/30/2018 R/W Cert: 1/31/2020 RTL: 2/28/2020 Begin Con: 11/30/2020
			Subtotal: $24,140	$8,200		
			Total Project Cost:	**$32,340**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 88 Collision(s) reduced			

2018 SHOPP Project List
San Bernardino

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
08-San Bernardino-10 26.8/34.2 3003F 0817000219	In Loma Linda and Redlands, from Richardson Street Overcrossing to 0.1 mile west of Wabash Avenue Overcrossing. Roadside safety improvements.	1C29U 2018-19	R/W: Const:	$10 $7,377	PA&ED: PS&E: R/W Sup: Con Sup:	$350 $695 $30 $860	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2018 9/6/2018 2/1/2019 8/5/2019
			Subtotal:	$7,387		$1,935			
			Total Project Cost:			**$9,322**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		487	Location(s)			
08-San Bernardino-10 34.2/R39.1 3001U 0812000270	In Redlands and Yucaipa, from Wabash Avenue to County line Road. Construct roadside safety improvements.	1C300 2019-20	R/W: Const:	$7 $1,899	PA&ED: PS&E: R/W Sup: Con Sup:	$358 $417 $43 $362	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/11/2018 8/15/2019 9/19/2019 6/15/2020
			Subtotal:	$1,906		$1,180			
			Total Project Cost:			**$3,086**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		120	Location(s)			
MANDATES									
08-San Bernardino-38 50.4/59.4 3008W 0817000232	At various locations, from Eagle Mountain Drive to Route 38/18 Separation. Sediment control and stabilization.	0R432 2019-20	R/W: Const:	$150 $576	PA&ED: PS&E: R/W Sup: Con Sup:	 $86 $50 $200	 Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	10/24/2016 3/20/2017 7/5/2019 3/27/2020
			Subtotal:	$726		$336			
			Total Project Cost:			**$1,062**			
Carryover			**Program Code**		201.335	Storm Water Mitigation			
			Performance Measure		27	Acre(s) treated/pollutant			
BRIDGE PRESERVATION									
08-San Bernardino-215 2.4/3.0 3002S 0815000034	In Colton, from 0.3 mile south to 0.3 mile north of Washington Avenue Overcrossing No. 54 -0530. Replace overcrossing.	1F730 2019-20	R/W: Const:	$3,726 $17,871	PA&ED: PS&E: R/W Sup: Con Sup:	$1,125 $2,870 $296 $1,790	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	12/1/2017 11/8/2019 2/21/2020 6/12/2020
			Subtotal:	$21,597		$6,081			
			Total Project Cost:			**$27,678**			
Carryover			**Program Code**		201.110	Bridge Major Rehabilitation			
			Performance Measure		1	Bridge(s)			

2018 SHOPP Project List
San Bernardino

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
08-San Bernardino-40 101.3 3008K 0816000079	Near Needles, at the Halfway Hills Wash Bridge No. 54-0799L/R. Retrofit bridge footings, replace and expand Rock Slope Protection (RSP) limits.	1G830 2021-22	R/W: $30 Const: $9,652	PA&ED: $1,393 PS&E: $1,903 R/W Sup: $55 Con Sup: $2,538	18-19 20-21 20-21 21-22	PA&ED: 9/14/2020 R/W Cert: 2/22/2022 RTL: 3/15/2022 Begin Con: 11/2/2022
			Subtotal: $9,682	$5,889		
			Total Project Cost:	**$15,571**		
New			**Program Code**	201.111 Bridge Scour Mitigation		
			Performance Measure	2 Bridge(s)		
08-San Bernardino-18 95.4 3006C 0815000192	In Victorville, at Mojave River Bridge No. 54-0307; also on Route 10, at Colton Overhead No. 54-0464R (PM R22.36); and Route 215 North/Route 10 East Connector Overhead No. 54-0482G (PM 3.72). Various repairs to three bridges.	1G280 2021-22	R/W: $62 Const: $2,639	PA&ED: $320 PS&E: $780 R/W Sup: $100 Con Sup: $690	18-19 19-20 19-20 21-22	PA&ED: 3/6/2020 R/W Cert: 9/17/2021 RTL: 10/15/2021 Begin Con: 4/29/2022
			Subtotal: $2,701	$1,890		
			Total Project Cost:	**$4,591**		
New			**Program Code**	201.119 Bridge Preventative Maintenance		
			Performance Measure	3 Bridge(s)		
08-San Bernardino-10 11.6/R22.4 3009R 0817000240	In San Bernardino County, at the Etiwanda San Sevain FCC Br. No. 54-0454L, Colton Overhead No. 54-0464R; also on Route 60, at Ramona Avenue Overcrossing No. 54-0745 (PM R1.37). In Riverside County, on Route 10 at Highland Springs Avenue Undercrossing No. 56-0432 (PM 9.3) and at Eagle Mountain Road Bridge No. 56-0575L/R (PM R102.0). Improve freight corridor movement by modifying and replacing bridges to meet vertical clearance and load-carrying capacity standards.	1J210 2020-21	* R/W: $1,000 * Const: $60,900	PA&ED: $5,822 * PS&E: $6,370 * R/W Sup: $350 * Con Sup: $8,000	Prior 20-21 20-21 20-21	PA&ED: 12/11/2019 R/W Cert: 2/12/2021 RTL: 3/10/2021 Begin Con: 1/5/2022
			Subtotal: $61,900	$20,542		
			Total Project Cost:	**$82,442**		
			** Const, * R/W, * PS&E, * R/W Sup, * Con Sup phase(s) are NOT authorized*			
Carryover	ACCELERATED BRIDGE (PA&ED Only)		**Program Code**	201.322 Trans Permit Requirements for Bridges		
			Performance Measure	6 Bridge(s)		
ROADWAY PRESERVATION						
08-San Bernardino-15 64.6/75.3 3003V 0815000242	In Barstow, from Outlet Center Drive to Mojave River Bridge. Rehabilitate pavement.	0K123 2019-20	R/W: $10 Const: $26,798	PA&ED: $600 PS&E: $1,200 R/W Sup: $10 Con Sup: $2,100	Prior Prior Prior 19-20	PA&ED: 9/14/2017 R/W Cert: 8/9/2019 RTL: 10/2/2019 Begin Con: 8/3/2020
			Subtotal: $26,808	$3,910		
			Total Project Cost:	**$30,718**		
Carryover			**Program Code**	201.121 Pavement Rehabilitation (CAPM)		
			Performance Measure	64.2 Lane mile(s)		

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
08-San Bernardino-18 100.9/115.9 3007M 0816000020	In and near Adelanto, from Route 395 Junction to Los Angeles County line. Cold plane pavement and place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt (RHMA) pavement.	1G520 2020-21	R/W: $65 Const: $16,442	PA&ED: $564 PS&E: $1,588 R/W Sup: $77 Con Sup: $2,366	18-19 19-20 19-20 20-21	PA&ED: 7/15/2019 R/W Cert: 11/16/2020 RTL: 2/16/2021 Begin Con: 10/15/2021
			Subtotal: $16,507	$4,595		
			Total Project Cost:	**$21,102**		
New			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 37.8 Lane mile(s)			
08-San Bernardino-62 121.5/142.7 3004A 0816000003	Near Vidal, from 3.8 miles west of Route 95 to Arizona State line. Rehabilitate pavement and upgrade guardrail.	1F133 2019-20	R/W: $65 Const: $11,314	PA&ED: $400 PS&E: $515 R/W Sup: $87 Con Sup: $2,660	Prior 18-19 18-19 19-20	PA&ED: 5/4/2018 R/W Cert: 1/7/2020 RTL: 2/21/2020 Begin Con: 10/26/2020
			Subtotal: $11,379	$3,662		
			Total Project Cost:	**$15,041**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 42.4 Lane mile(s)			
08-San Bernardino-95 9.7/33.6 3002V 0815000211	Near Needles, from Route 62 to south of Havasu Lake Road. Rehabilitate pavement.	1F131 2019-20	R/W: $65 Const: $9,567	PA&ED: $450 PS&E: $320 R/W Sup: $10 Con Sup: $1,500	Prior 18-19 18-19 19-20	PA&ED: 5/4/2018 R/W Cert: 1/7/2020 RTL: 2/21/2020 Begin Con: 10/26/2020
			Subtotal: $9,632	$2,280		
			Total Project Cost:	**$11,912**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 47.8 Lane mile(s)			
08-San Bernardino-95 64.5/80.5 3003Y 0815000212	Near Needles, from Goffs Road to Nevada State line. Rehabilitate pavement.	1F132 2019-20	R/W: $65 Const: $4,389	PA&ED: $200 PS&E: $150 R/W Sup: $10 Con Sup: $690	Prior 18-19 18-19 19-20	PA&ED: 5/4/2018 R/W Cert: 1/7/2020 RTL: 2/21/2020 Begin Con: 10/26/2020
			Subtotal: $4,454	$1,050		
			Total Project Cost:	**$5,504**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 32.0 Lane mile(s)			

2018 SHOPP Project List
San Bernardino
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
08-San Bernardino-15 12.8/14.8 3003T 0815000245	In and near Fontana and Rialto, from Sierra Avenue to Glen Helen Parkway. Rehabilitate roadway.	0K121 2019-20	R/W: $10 Const: $26,073	PA&ED: $570 PS&E: $900 R/W Sup: $10 Con Sup: $2,850	Prior Prior Prior 19-20	PA&ED: 1/10/2018 R/W Cert: 9/9/2019 RTL: 12/2/2019 Begin Con: 8/3/2020
			Subtotal: $26,083	$4,330		
			Total Project Cost:	**$30,413**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 16.0 Lane mile(s)			
08-San Bernardino-15 R28.6/37.5 3003U 0815000244	In Hesperia and Victorville, from Oak Hill Road to south of Bear Valley Road. Rehabilitate roadway. (G13 Contingency)	0K122 2019-20	R/W: $10 * Const: $159,029	PA&ED: $900 PS&E: $5,300 R/W Sup: $210 * Con Sup: $11,700	Prior 18-19 18-19 19-20	PA&ED: 3/1/2018 R/W Cert: 11/4/2019 RTL: 2/3/2020 Begin Con: 10/29/2020
			Subtotal: $159,039	$18,110		
			Total Project Cost:	**$177,149**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 59.0 Lane mile(s)			
08-San Bernardino-330 37.1/39.8 3002H 0814000103	Near Smiley Park, from 6.9 miles south of Running Spring to 3.4 miles east of Fork City Creek Bridge. Construct rockfall barrier to stabilize hillside slopes.	1E780 2018-19	R/W: $30 Const: $2,955	PA&ED: $370 PS&E: $400 R/W Sup: $20 Con Sup: $600	Prior Prior Prior 18-19	PA&ED: 1/15/2018 R/W Cert: 11/1/2018 RTL: 12/3/2018 Begin Con: 6/17/2019
			Subtotal: $2,985	$1,390		
			Total Project Cost:	**$4,375**		
Carryover			**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 2 Location(s)			
08-San Bernardino-18 T8.0/R17.8 0184C 0815000184	In and near Arrowhead, from 48th Street to Route 138. Repair, reline and replace culverts.	0G691 2021-22	R/W: $385 Const: $7,185	PA&ED: $742 PS&E: $1,090 R/W Sup: $1,240 Con Sup: $1,059	Prior 20-21 20-21 21-22	PA&ED: 5/1/2020 R/W Cert: 2/15/2022 RTL: 5/2/2022 Begin Con: 1/17/2023
			Subtotal: $7,570	$4,131		
			Total Project Cost:	**$11,701**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 63 Culvert(s) (ea)			

2018 SHOPP Project List
San Bernardino

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
08-San Bernardino-18 44.3/68.5 0181J 0812000110	Near Big Bear and Lucerne Valley, at various locations, from Route 38 at Big Bear Lake Dam to Artic Canyon Wash. Reline or replace culverts.	0G690 2021-22	R/W: Const:	$700 $4,107	PA&ED: PS&E: R/W Sup: Con Sup:	$1,192 $1,493 $2,708 $1,417	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	7/5/2020 12/1/2021 1/18/2022 7/15/2022
			Subtotal:	$4,807		$6,810			
			Total Project Cost:			**$11,617**			
New			**Program Code**		201.151 Drainage System Restoration				
			Performance Measure		41 Culvert(s) (ea)				
08-San Bernardino-38 47.5/59.4 0205C 0812000111	Near Big Bear Lake, from Zaca Road to Route 18. Replace culverts.	0G800 2019-20	R/W: Const:	$697 $2,397	PA&ED: PS&E: R/W Sup: Con Sup:	$600 $1,040 $1,900 $800	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	10/17/2018 3/2/2020 3/16/2020 9/15/2020
			Subtotal:	$3,094		$4,340			
			Total Project Cost:			**$7,434**			
Carryover			**Program Code**		201.151 Drainage System Restoration				
			Performance Measure		43 Culvert(s) (ea)				
08-San Bernardino-60 R0.0/R9.9 0178P 0815000160	In Pomona, Chino and Ontario, from Los Angeles County line to Riverside County line. Replace existing signs with retro-reflective sheeting.	1F361 2019-20	R/W: Const:	$10 $1,271	PA&ED: PS&E: R/W Sup: Con Sup:	$125 $289 $12 $250	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2018 9/3/2019 3/2/2020 11/2/2020
			Subtotal:	$1,281		$676			
			Total Project Cost:			**$1,957**			
Carryover			**Program Code**		201.170 Signs and Lighting Rehabilitation				
			Performance Measure		68 Sign(s)				
08-San Bernardino-210 R21.7/R33.2 3005A 0816000011	In San Bernardino County, on Routes 71, 210, 215 and 259 at various locations. Replace existing guide signs with Type XI reflectivity.	1F362 2018-19	R/W: Const:	$10 $2,069	PA&ED: PS&E: R/W Sup: Con Sup:	$301 $614 $32 $625	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	9/13/2017 2/1/2019 5/1/2019 12/2/2019
			Subtotal:	$2,079		$1,572			
			Total Project Cost:			**$3,651**			
Carryover			**Program Code**		201.170 Signs and Lighting Rehabilitation				
			Performance Measure		149 Sign(s)				

2018 SHOPP Project List
San Bernardino

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MOBILITY						
08-San Bernardino-60 R7.3/R10.0 3003N 0817000075	In Ontario, from Haven Avenue to Milliken Avenue/Hamner Avenue. Construct auxiliary lane and widen connector and ramps.	0E33U 2019-20	R/W: $710 Const: $20,955	PA&ED: $2,700 PS&E: $4,170 R/W Sup: $20 Con Sup: $7,107	Prior 18-19 18-19 19-20	PA&ED: 11/1/2018 R/W Cert: 5/1/2020 RTL: 5/15/2020 Begin Con: 3/1/2021
			Subtotal: $21,665	$13,997		
			Total Project Cost:	**$35,662**		
Carryover			**Program Code** 201.310 Operational Improvements **Performance Measure** 1823.7 Daily vehicle hour(s) of delay (DVHD)			
08-San Bernardino-10 29.4/R39.2 3009A 0815000168	In and near Redlands, from Route 210/10 Junction to the Riverside County line. Install wireless Vehicle Detection Stations (VDS) pole, Changeable Message Signs (CMS), Closed Circuit Television (CCTV), Data Node Cabinet and Fiber Optic elements.	38423 2018-19	R/W: $10 Const: $7,654	PA&ED: $300 PS&E: $1,000 R/W Sup: $10 Con Sup: $1,600	Prior 18-19 18-19 18-19	PA&ED: 6/1/2018 R/W Cert: 5/1/2019 RTL: 6/3/2019 Begin Con: 11/1/2019
			Subtotal: $7,664	$2,910		
			Total Project Cost:	**$10,574**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 26 Field element(s)			
08-San Bernardino-71 R0.0/R8.5 3009N 0814000176	Near Chino Hills, from the Los Angeles County line to the Riverside County line; also in Riverside County, from San Bernardino County line to Route 91 (PM R0.0 to PM R3.0). Replace and upgrade existing communication elements and install Closed Circuit Television Cameras (CCTV) for the Traffic Management System (TMS).	0G790 2019-20	R/W: $99 Const: $11,167	PA&ED: $561 PS&E: $1,361 R/W Sup: $113 Con Sup: $1,657	Prior 18-19 18-19 19-20	PA&ED: 12/3/2018 R/W Cert: 1/6/2020 RTL: 5/1/2020 Begin Con: 1/5/2021
			Subtotal: $11,266	$3,692		
			Total Project Cost:	**$14,958**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 31 Field element(s)			
08-San Bernardino-210 10.5/12.7 3003X 0815000170	In Rancho Cucamonga and Fontana, from East Avenue to west of Beech Avenue; also on Route 15, at Route 210/15 Separation. Install Transportation Management System (TMS) elements.	1G210 2018-19	R/W: $19 Const: $2,692	PA&ED: $135 PS&E: $390 R/W Sup: $10 Con Sup: $450	Prior Prior Prior 18-19	PA&ED: 10/27/2017 R/W Cert: 2/26/2019 RTL: 3/15/2019 Begin Con: 10/15/2019
			Subtotal: $2,711	$985		
			Total Project Cost:	**$3,696**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 4 Field element(s)			

2018 SHOPP Project List
San Bernardino

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
08-San Bernardino-215 4.0/17.8 3007S 0816000186	In and near the city of San Bernardino, from Route 215/10 Connector to Route 215/15 Junction; also on Route 259, from Route 259/215 Separation to Route 259/210 Junction. Install wireless Vehicle Detection Stations (VDS), Changeable Message Signs (CMS), Closed Circuit Television (CCTV) and Fiber Optic elements.	47642 2019-20	R/W: $10 Const: $9,238 Subtotal: $9,248	PA&ED: $376 PS&E: $842 R/W Sup: $37 Con Sup: $1,930 $3,185	Prior 18-19 18-19 19-20	PA&ED: 2/1/2019 R/W Cert: 5/1/2020 RTL: 6/1/2020 Begin Con: 2/1/2021
Carryover			**Total Project Cost:**	**$12,433**		
			Program Code	201.315 Transportation Management Systems		
			Performance Measure	32 Field element(s)		
08-San Bernardino-40 R28.9 3007N 0816000035	Near Newberry Springs, at 5.6 miles east of Fort Cady Road Overcrossing. Replace the existing Weigh-in-Motion (WIM) system to meet current standards.	1G550 2020-21	R/W: $11 Const: $2,136 Subtotal: $2,147	PA&ED: $310 PS&E: $593 R/W Sup: $32 Con Sup: $664 $1,599	18-19 19-20 19-20 20-21	PA&ED: 10/1/2019 R/W Cert: 9/1/2020 RTL: 10/1/2020 Begin Con: 5/1/2021
New			**Total Project Cost:**	**$3,746**		
			Program Code	201.321 Weigh Stations		
			Performance Measure	1 Location(s)		
ROADSIDE PRESERVATION						
08-San Bernardino-40 R105.3/R105.6 0206L 0814000132	Near Needles, west of Goffs Road at John Wilkie Safety Roadside Rest Area (SRRA). Reconstruct safety roadside rest areas.	0G860 2019-20	R/W: $10 Const: $5,340 Subtotal: $5,350	PA&ED: $1,400 PS&E: $1,940 R/W Sup: $10 Con Sup: $2,300 $5,650	Prior 18-19 18-19 19-20	PA&ED: 8/1/2018 R/W Cert: 1/15/2020 RTL: 5/1/2020 Begin Con: 2/1/2021
Carryover			**Total Project Cost:**	**$11,000**		
			Program Code	201.250 Safety Roadside Rest Area Restoration		
			Performance Measure	2 Location(s)		
FACILITIES						
08-San Bernardino-15 3005R 0812000076	In Fontana, near the southeast quadrant of Route 15/210 Interchange. Construct new maintenance facility (L5758) adjacent to the Southern Regional Laboratory.	0R420 2021-22	R/W: $10 Const: $19,800 Subtotal: $19,810	PA&ED: $1,500 PS&E: $0 R/W Sup: $10 Con Sup: $3,600 $5,110	18-19 19-20 21-22	PA&ED: 7/15/2019 R/W Cert: 8/15/2021 RTL: 9/5/2021 Begin Con: 5/10/2022
New			**Total Project Cost:**	**$24,920**		
			Program Code	201.352 Maintenance Facilities		
			Performance Measure	1 Location(s)		

2018 SHOPP Project List
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($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
08-San Bernardino-215 3001P 0800020563	In the city of San Bernardino, at San Bernardino Maintenance Station (L5726) at 175 Cluster Street. Reconstruct maintenance station.	0K840 2018-19	R/W: $10 Const: $6,670	PA&ED: $897 PS&E: $1,248 R/W Sup: $42 Con Sup: $1,755	Prior Prior Prior 18-19	PA&ED: 10/17/2017 R/W Cert: 2/28/2019 RTL: 3/28/2019 Begin Con: 11/21/2019
			Subtotal: $6,680	$3,942		
			Total Project Cost:	**$10,622**		
Carryover			**Program Code** 201.352 Maintenance Facilities **Performance Measure** 1 Location(s)			

MULTIPLE OBJECTIVE

08-San Bernardino-15 R107.4 3007E 0817000103	At Clyde V. Kane northbound (NB) and southbound (SB) Safety Roadside Rest Areas (SRRA); also at Valley Wells, NB and SB SRRA (PM 161.2). Transportation infrastructure improvement for zero-emission vehicle charging.	1H660 2018-19	R/W: $10 Const: $1,183	PA&ED: $259 PS&E: $415 R/W Sup: $33 Con Sup: $265	Prior 18-19 18-19 18-19	PA&ED: 6/18/2018 R/W Cert: 2/15/2019 RTL: 3/18/2019 Begin Con: 9/17/2019
			Subtotal: $1,193	$972		
			Total Project Cost:	**$2,165**		
Carryover			**Program Code** 201.999 MULTIPLE OBJECTIVE **Performance Measure** 4 Location(s)			

San Bernardino County

R/W:	$26,327	PA&ED:	$45,616
Const:	$609,036	PS&E:	$59,053
		R/W Sup:	$9,625
		Con Sup:	$90,893
Subtotal:	$635,363		$205,187
Total (Capital + Support):			**$840,550**

2018 SHOPP Project List
San Diego
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
11-San Diego-Var 1200 1116000094	At various locations, on Routes 5, 8, 15, 52, 54, 56, 67, 75, 76, 78, 94, 125, 163, 805 and 905. Upgrade and install curve warning signs.	42490 2020-21	R/W: $0 Const: $2,350	PA&ED: $498 PS&E: $561 R/W Sup: $0 Con Sup: $497	18-19 19-20 20-21	PA&ED: 11/18/2019 R/W Cert: 12/15/2020 RTL: 1/15/2021 Begin Con: 10/15/2021
			Subtotal: $2,350	$1,556		
			Total Project Cost:	**$3,906**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 30 Collision(s) reduced			
11-San Diego-5 R55.6/R70.0 1265 1117000116	Near Oceanside, from Fallbrook Overhead to 1.0 mile south of San Onofre Bridge. Install cable safety barrier.	43001 2020-21	R/W: $11 Const: $5,917	PA&ED: $660 PS&E: $917 R/W Sup: Con Sup: $988	18-19 18-19 20-21	PA&ED: 1/22/2019 R/W Cert: 8/9/2020 RTL: 9/9/2020 Begin Con: 5/24/2021
			Subtotal: $5,928	$2,565		
			Total Project Cost:	**$8,493**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 56 Collision(s) reduced			
11-San Diego-8 1189 1116000075	In San Diego County, on Routes 8, 67, 79, and 94 at various locations. Widen and grade existing hinges at end treatment platforms and to upgrade guardrails and end treatments to current standards.	42460 2020-21	R/W: $0 Const: $4,552	PA&ED: $526 PS&E: $1,046 R/W Sup: $0 Con Sup: $824	18-19 19-20 20-21	PA&ED: 7/12/2019 R/W Cert: 10/16/2020 RTL: 11/20/2020 Begin Con: 5/4/2021
			Subtotal: $4,552	$2,396		
			Total Project Cost:	**$6,948**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 43 Collision(s) reduced			
11-San Diego-52 0.0/14.8 1135 1115000026	In the city of San Diego and Santee, from Route 5 to Route 125. Construct rumble strips, enhance pavement delineation and install barrier.	42030 2019-20	R/W: Const: $4,121	PA&ED: $478 PS&E: $1,015 R/W Sup: Con Sup: $1,317	Prior Prior 19-20	PA&ED: 3/28/2018 R/W Cert: 7/2/2019 RTL: 7/15/2019 Begin Con: 3/16/2020
			Subtotal: $4,121	$2,810		
			Total Project Cost:	**$6,931**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 90 Collision(s) reduced			

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11-San Diego-VAR 1168 1115000134	In San Diego County, on various routes at various locations. Construct maintenance vehicle pullouts, pave areas beyond the gore, upgrade crash cushions, reduce maintenance intensive landscaping and relocate irrigation controls.	41134 2018-19	R/W: Const:	$3 $3,618	PA&ED: PS&E: R/W Sup: Con Sup:	$409 $1,469 $2 $522	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	5/4/2018 3/29/2019 5/10/2019 9/20/2019
			Subtotal:	$3,621		$2,402			
			Total Project Cost:			**$6,023**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		21	Location(s)			
11-San Diego-8 2.8/5.0 1165 1114000118	In the city of San Diego, from east of Route 163 to east of Route 805; also on Route 805, from north of Adams Avenue to south of Route 8 (PM 17.3/17.5). Roadside safety improvements.	41131 2018-19	R/W: Const:	$3 $5,209	PA&ED: PS&E: R/W Sup: Con Sup:	$603 $2,167 $3 $770	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	5/18/2018 4/19/2019 6/7/2019 10/18/2019
			Subtotal:	$5,212		$3,543			
			Total Project Cost:			**$8,755**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		48	Location(s)			
11-San Diego-8 5.0/6.0 1166 1115000132	In the city of San Diego, from east of Route 805 to east of Route 15; also on Route 15 from north of Adams Avenue to north of Route 8 (PM M5.8/R6.3). Roadside safety improvements.	41132 2018-19	R/W: Const:	$3 $3,278	PA&ED: PS&E: R/W Sup: Con Sup:	$371 $1,330 $2 $474	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	4/13/2018 2/14/2019 4/12/2019 10/18/2019
			Subtotal:	$3,281		$2,177			
			Total Project Cost:			**$5,458**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		25	Location(s)			
11-San Diego-8 6.0/12.0 1167 1115000133	In the city of San Diego and La Mesa, from west of Mission Gorge Road to west of Route 125. Roadside safety improvements.	41133 2019-20	R/W: Const:	$3 $4,959	PA&ED: PS&E: R/W Sup: Con Sup:	$565 $2,029 $3 $721	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/27/2018 1/17/2020 3/6/2020 7/17/2020
			Subtotal:	$4,962		$3,318			
			Total Project Cost:			**$8,280**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		64	Location(s)			

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11-San Diego-8 13.0/17.4 1146 1112000145	In El Cajon, at various locations, from 0.5 mile east of Grossmont Boulevard Overcrossing to Second Street Undercrossing. Construct Maintenance Vehicle Pullouts (MVPs), pave beyond gore areas, relocate irrigation controllers and reduce high maintenance landscaping.	41160 2020-21	R/W: $0 Const: $4,740 Subtotal: $4,740 **Total Project Cost:**	PA&ED: $444 PS&E: $1,202 R/W Sup: $0 Con Sup: $1,009 $2,655 **$7,395**	18-19 18-19 20-21	PA&ED: 3/13/2019 R/W Cert: 10/1/2020 RTL: 1/21/2021 Begin Con: 7/13/2021
New			**Program Code** 201.235	Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure 84	Location(s)		
11-San Diego-8 R18.7/R20.4 1250 1112000159	In and near El Cajon, at various locations, from Greenfield Drive to 0.4 mile east of Los Coches Road Undercrossing. Pave beyond gore areas, reduce high maintenance landscaping and relocate irrigation components.	41210 2021-22	R/W: $0 Const: $1,896 Subtotal: $1,896 **Total Project Cost:**	PA&ED: $346 PS&E: $536 R/W Sup: $0 Con Sup: $448 $1,330 **$3,226**	19-20 20-21 21-22	PA&ED: 7/30/2020 R/W Cert: 5/28/2021 RTL: 7/16/2021 Begin Con: 1/7/2022
New			**Program Code** 201.235	Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure 5	Location(s)		
11-San Diego-8 49.0 1085 1112000043	Near Pine Valley, at Buckman Springs Safety Roadside Rest Area (SRRA). Rehabilitate SRRA sewer and water systems.	40910 2018-19	R/W: $20 Const: $3,275 Subtotal: $3,295 **Total Project Cost:**	PA&ED: $698 PS&E: $1,251 R/W Sup: Con Sup: $1,034 $2,983 **$6,278**	Prior Prior 18-19	PA&ED: 3/30/2016 R/W Cert: 5/7/2019 RTL: 6/28/2019 Begin Con: 11/26/2019
Carryover			**Program Code** 201.235	Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure 1	Location(s)		
11-San Diego-52 0.4/5.5 1219 1112000155	In the city of San Diego, from 0.1 mile east of Route 5 to 0.1 mile east of Convoy Street. Construct Maintenance Vehicle Pullouts (MVPs), pave slopes under bridge structures, pave narrow areas and beyond gores.	41180 2020-21	R/W: $0 Const: $3,296 Subtotal: $3,296 **Total Project Cost:**	PA&ED: $394 PS&E: $1,118 R/W Sup: $0 Con Sup: $539 $2,051 **$5,347**	18-19 19-20 20-21	PA&ED: 7/31/2019 R/W Cert: 8/30/2020 RTL: 9/30/2020 Begin Con: 7/30/2021
New			**Program Code** 201.235	Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure 28	Location(s)		

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11-San Diego-56 0.3/9.7 1251 1112000157	In the city of San Diego, from El Camino Real Undercrossing to Route 56/15 Separation. Pave beyond gore areas, relocate irrigation control valve boxes, construct rumble strip.	41190 2021-22	R/W: $0 Const: $2,007	PA&ED: $284 PS&E: $629 R/W Sup: $0 Con Sup: $429	19-20 20-21 21-22	PA&ED: 2/11/2020 R/W Cert: 8/2/2021 RTL: 10/8/2021 Begin Con: 1/27/2022
			Subtotal: $2,007	$1,342		
			Total Project Cost:	**$3,349**		
New			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	106	Location(s)	
11-San Diego-94 4.4/7.3 1253 1112000160	In the cities of San Diego and Lemon Grove, at various locations from 0.2 mile west of 47th Street Overcrossing to 0.6 mile west of College Avenue Undercrossing. Construct Maintenance Vehicle Pullouts (MVPs), pave areas beyond gore, upgrade guardrail, install concrete barrier/crash cushions, relocate irrigation/electrical equipment and upgrade curb ramps to current Americans with Disabilities Act (ADA) Standards.	41220 2020-21	R/W: $0 Const: $2,973	PA&ED: $340 PS&E: $901 R/W Sup: $0 Con Sup: $858	18-19 19-20 20-21	PA&ED: 8/16/2019 R/W Cert: 11/22/2020 RTL: 1/27/2021 Begin Con: 9/17/2021
			Subtotal: $2,973	$2,099		
			Total Project Cost:	**$5,072**		
New			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	38	Location(s)	
11-San Diego-125 9.6/13.2 1141 1112000143	In the cities of Lemon Grove and San Diego, from 0.1 mile south of Elkelton Place Undercrossing to Route 94/125 Separation. Construct Maintenance Vehicle Pullouts (MVPs), pave beyond gore areas, replace crash cushions, guardrail with concrete barrier, install access gates, relocate irrigation equipment and remove high maintenance landscaping.	41140 2020-21	R/W: $0 Const: $5,074	PA&ED: $431 PS&E: $864 R/W Sup: $0 Con Sup: $1,660	18-19 19-20 20-21	PA&ED: 6/6/2019 R/W Cert: 7/17/2020 RTL: 8/20/2020 Begin Con: 5/17/2021
			Subtotal: $5,074	$2,955		
			Total Project Cost:	**$8,029**		
New			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	103	Location(s)	
11-San Diego-805 20.7/23.5 1142 1112000144	In the city of San Diego, at various locations, from Linda Vista Road Overcrossing to Route 805/52 Separation. Construct Maintenance Vehicle Pullouts (MVPs), install access gates, pave beyond gore areas, reduce high maintenance landscaping, relocate irrigation controls, and upgrade crash cushions.	41150 2020-21	R/W: $50 Const: $6,542	PA&ED: $453 PS&E: $1,033 R/W Sup: $26 Con Sup: $1,038	18-19 19-20 19-20 20-21	PA&ED: 3/14/2019 R/W Cert: 1/8/2021 RTL: 1/21/2021 Begin Con: 7/13/2021
			Subtotal: $6,592	$2,550		
			Total Project Cost:	**$9,142**		
New			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	97	Location(s)	

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MANDATES						
11-San Diego-75 10.0/11.2 1204 1115000034	In Imperial Beach, from Georgia Street to 0.2 mile north of Rainbow Drive. Relinquish roadway to Imperial Beach. Financial Contribution Only (FCO).	42040 2018-19	R/W: $0 Const: $5,276	PA&ED: $348 PS&E: $0 R/W Sup: $0 Con Sup: $0	18-19	PA&ED: 9/28/2018 R/W Cert: RTL: Begin Con:
			Subtotal: $5,276	$348		
			Total Project Cost:	**$5,624**		
New			**Program Code** 201.160 Relinquishments **Performance Measure** 1.2 Centerline mile(s)			
11-San Diego-5 R31.8/R32.2 1203 1115000173	In the city of San Diego, from Carmel Mountain Road Undercrossing to 0.05 mile west of Route 5/56 Separation. Stabilize existing slopes and landscaping from further erosion and sediment deposition into the Los Penasquitos Lagoon.	42200 2020-21	R/W: $0 Const: $1,533	PA&ED: $283 PS&E: $632 R/W Sup: $0 Con Sup: $892	18-19 19-20 20-21	PA&ED: 8/21/2019 R/W Cert: 7/16/2020 RTL: 8/20/2020 Begin Con: 3/4/2021
			Subtotal: $1,533	$1,807		
			Total Project Cost:	**$3,340**		
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 10 Acre(s) treated/pollutant			
11-San Diego-5 R34.6/R35.1 1164 1114000028	In the city of San Diego, from 0.8 mile to 1.0 mile north of Del Mar Heights Road. Repair and enhance detention basin and regrade overflow channel and access road.	41750 2019-20	R/W: Const: $1,875	PA&ED: $241 PS&E: $526 R/W Sup: Con Sup: $702	Prior 18-19 19-20	PA&ED: 7/20/2018 R/W Cert: 8/2/2019 RTL: 9/20/2019 Begin Con: 2/14/2020
			Subtotal: $1,875	$1,469		
			Total Project Cost:	**$3,344**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 73 Acre(s) treated/pollutant			
11-San Diego-78 2.5/2.7 1125 1114000027	In Oceanside, from 0.8 mile to 0.6 mile west of College Boulevard. Stormwater mitigation and slope erosion repair.	41740 2018-19	R/W: $120 Const: $3,547	PA&ED: $276 PS&E: $651 R/W Sup: $50 Con Sup: $984	Prior 18-19 18-19 18-19	PA&ED: 1/29/2018 R/W Cert: 12/20/2018 RTL: 1/29/2019 Begin Con: 9/25/2019
			Subtotal: $3,667	$1,961		
			Total Project Cost:	**$5,628**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 4.3 Acre(s) treated/pollutant			

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11-San Diego-Var 1127 1114000056	In San Diego County, on routes 5, 15, 75 and 163 at various locations. Construct and upgrade curb ramps, driveways and sidewalks to comply with Americans with Disabilities Act (ADA) Standards.	41810 2019-20	R/W: Const:	$110 $2,766	PA&ED: PS&E: R/W Sup: Con Sup:	$881 $2,425 $101 $1,658	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/6/2018 12/9/2019 1/15/2020 6/30/2020
			Subtotal:	$2,876		$5,065			
			Total Project Cost:			**$7,941**			
Carryover			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	108 Curb ramp(s)					
11-San Diego-8 3.0/8.5 1227 1116000154	In the city of San Diego, from Mission Center Road to College Avenue. Construct and upgrade pedestrian curb ramps to meet Americans with Disabilities Act (ADA) Standards. Replaced damaged sidewalk and install accessible pedestrian signals.	42710 2021-22	R/W: Const:	$25 $1,107	PA&ED: PS&E: R/W Sup: Con Sup:	$326 $1,148 $0 $545	19-20 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	7/15/2020 7/21/2021 11/15/2021 7/15/2022
			Subtotal:	$1,132		$2,019			
			Total Project Cost:			**$3,151**			
New			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	18 Curb ramp(s)					
11-San Diego-94 2.6/R11.1 1191 1116000077	In and near the cities of San Diego and Lemon Grove, from 32nd Street Undercrossing to Bancroff Drive Undercrossing. Construct and upgrade pedestrian curb ramps and sidewalks to meet current standards.	42510 2020-21	R/W: Const:	$465 $2,660	PA&ED: PS&E: R/W Sup: Con Sup:	$776 $1,847 $714 $833	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/1/2019 4/17/2020 8/28/2020 12/30/2020
			Subtotal:	$3,125		$4,170			
			Total Project Cost:			**$7,295**			
New			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	51 Curb ramp(s)					
11-San Diego-805 3.5/13.1 1248 1117000045	In various cities, from Main Street/Auto Park Drive Undercrossing to Market Street Overcrossing. Construct and upgrade pedestrian curb ramps to meet Americans with Disabilities Act (ADA) Standards. Replace pedestrian signal heads, push buttons and relocate pull boxes, light poles and controller cabinet.	42900 2021-22	R/W: Const:	$12 $3,098	PA&ED: PS&E: R/W Sup: Con Sup:	$843 $1,960 $0 $1,189	19-20 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	7/15/2020 7/21/2021 11/15/2021 7/15/2022
			Subtotal:	$3,110		$3,992			
			Total Project Cost:			**$7,102**			
New			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	49 Curb ramp(s)					

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BRIDGE PRESERVATION						
11-San Diego-8 2.2 1256 1116000045	In the city of San Diego, at the east Route 8 to south Route 163 Connector Overcrossing No. 57-0355G. Bridge rail replacement.	26410 2020-21	R/W: $426 Const: $1,441	PA&ED: $374 PS&E: $969 R/W Sup: $0 Con Sup: $848	18-19 19-20 20-21	PA&ED: 7/2/2019 R/W Cert: 10/26/2020 RTL: 11/6/2020 Begin Con: 3/11/2021
			Subtotal: $1,867	$2,191		
			Total Project Cost:	**$4,058**		
New			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 318.0 Linear feet			
11-San Diego-805 8.4/8.8 1280 1117000215	In and near Chula Vista, from 0.2 mile south of Sweetwater River Bridge No. 57-0638R/L to Route 54. Upgrade bridge rails, widen bridges to make standard, and repair approach slabs, joint seals, gore pavement, and shoulders.	43018 2018-19	R/W: Const: $18,367	PA&ED: PS&E: R/W Sup: Con Sup: $5,023	 18-19	PA&ED: 8/31/2017 R/W Cert: 6/1/2018 RTL: 6/15/2018 Begin Con: 1/3/2019
			Subtotal: $18,367	$5,023		
			Total Project Cost:	**$23,390**		
New			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 2000.0 Linear feet			
11-San Diego-VAR 1221 1116000144	In San Diego County, at various locations. Apply methacrylate to bridge decks, replace joint seals, repair unsound concrete and replace approach slabs.	42690 2018-19	R/W: Const: $3,542	PA&ED: PS&E: $663 R/W Sup: Con Sup: $733	 Prior 18-19	PA&ED: 12/15/2016 R/W Cert: 12/5/2018 RTL: 12/7/2018 Begin Con: 4/5/2019
			Subtotal: $3,542	$1,396		
			Total Project Cost:	**$4,938**		
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 35 Bridge(s)			
ROADWAY PRESERVATION						
11-San Diego-54 0.0/6.4 1188 1116000068	In and near National City and Chula Vista, from Route 54/5 Separation to the Route 54/125 Junction. Rehabilitate flexible and rigid pavement on the traveled way, shoulders, ramps and connectors, upgrade guard rail and dike.	42480 2021-22	R/W: $297 Const: $21,329	PA&ED: $709 PS&E: $2,260 R/W Sup: $24 Con Sup: $2,513	18-19 19-20 19-20 21-22	PA&ED: 2/3/2020 R/W Cert: 8/27/2021 RTL: 10/20/2021 Begin Con: 5/5/2022
			Subtotal: $21,626	$5,506		
			Total Project Cost:	**$27,132**		
New			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 43.2 Lane mile(s)			

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11-San Diego-78 N17.6/R21.4 1162 1115000042	In and near Escondido, from west of North Broadway to Teepee Drive. Pavement rehabilitation.	41930 2019-20	R/W: Const:	$3,136 $17,731	PA&ED: PS&E: R/W Sup: Con Sup:	$1,180 $2,790 $2,168 $2,643	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/13/2018 1/7/2020 1/23/2020 9/2/2020
			Subtotal:	$20,867		$8,781			
			Total Project Cost:			**$29,648**			
Carryover			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	13.9 Lane mile(s)					
11-San Diego-94 R10.4/14.9 1177 1115000041	In the city of San Diego, from Spring Street to Route 54. Pavement rehabilitation.	42000 2019-20	R/W: Const:	$159 $11,312	PA&ED: PS&E: R/W Sup: Con Sup:	$505 $1,252 $10 $1,537	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	1/19/2018 10/28/2019 11/26/2019 6/16/2020
			Subtotal:	$11,471		$3,304			
			Total Project Cost:			**$14,775**			
Carryover			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	21.2 Lane mile(s)					
11-San Diego-125 13.0/22.3 1257 1116000061	Near La Mesa and in Santee, from 0.2 mile south of Route 125/94 Separation to Mission Gorge Road. Rehabilitate pavement by grinding and replacing concrete slabs and cold plane and overlay shoulders with Rubberized Hot Mix Asphalt (RHMA-G).	42380 2021-22	R/W: Const:	$252 $34,185	PA&ED: PS&E: R/W Sup: Con Sup:	$1,383 $2,541 $53 $3,863	Prior 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	12/2/2019 9/30/2021 11/9/2021 6/8/2022
			Subtotal:	$34,437		$7,840			
			Total Project Cost:			**$42,277**			
Carryover			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	49.5 Lane mile(s)					
11-San Diego-8 R31.8/R41.7 1255 1116000059	Near Alpine, from Viejas Creek Bridge to Pine Valley Creek Bridge. Grind, remove and replace Jointed Plain Concrete Pavement (JPCP) lanes, remove and replace asphalt concrete outside shoulders and cold plane and overlay inside shoulders. Upgrade guardrail, replace approach/departure slabs and construct rumble strips.	42370 2021-22	R/W: Const:	 $43,768	PA&ED: PS&E: R/W Sup: Con Sup:	$936 $3,276 $5,479	Prior 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	12/4/2019 9/21/2021 11/3/2021 3/14/2022
			Subtotal:	$43,768		$9,691			
			Total Project Cost:			**$53,459**			
Carryover			**Program Code**	201.122 Roadway Rehabilitation (2R)					
			Performance Measure	22.8 Lane mile(s)					

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11-San Diego-Var 1134 1114000063	In San Diego County, on various routes at various locations. Culvert rehabilitation.	41820 2018-19	R/W: Const:	$483 $2,646	PA&ED: PS&E: R/W Sup: Con Sup:	$568 $988 $418 $718	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	7/20/2018 5/22/2019 6/3/2019 10/18/2019
			Subtotal:	$3,129		$2,692			
			Total Project Cost:			**$5,821**			
Carryover			**Program Code**		201.151 Drainage System Restoration				
			Performance Measure		7 Culvert(s) (ea)				
11-San Diego-8 L0.7/R23.0 1246 1117000028	In San Diego County, at various locations, from 0.5 mile west of Midway Drive Undercrossing to 0.6 mile west of Flinn Springs Road Undercrossing. Repair, rehabilitate and replace culvert systems.	42810 2019-20	R/W: Const:	$80 $8,367	PA&ED: PS&E: R/W Sup: Con Sup:	$1,173 $1,590 $2,020	Prior 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	11/26/2018 2/4/2020 3/30/2020 10/8/2020
			Subtotal:	$8,447		$4,783			
			Total Project Cost:			**$13,230**			
Carryover			**Program Code**		201.151 Drainage System Restoration				
			Performance Measure		100 Culvert(s) (ea)				
11-San Diego-8 R23.0/R61.3 1194 1115000178	In San Diego County, from 0.7 mile west of Flinn Springs Road Undercrossing to 0.2 mile east of Crestwood Road Undercrossing. Rehabilitate culverts and energy dissipaters.	42210 2019-20	R/W: Const:	$75 $11,773	PA&ED: PS&E: R/W Sup: Con Sup:	$1,077 $2,346 $519 $2,836	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	2/2/2018 5/23/2019 7/24/2019 3/20/2020
			Subtotal:	$11,848		$6,778			
			Total Project Cost:			**$18,626**			
Carryover			**Program Code**		201.151 Drainage System Restoration				
			Performance Measure		43 Culvert(s) (ea)				
11-San Diego-78 0.0/R16.5 1247 1115000180	In San Diego County, at various locations from 0.1 mile east of Route 78/5 Separation to Route 15/78 Separation. Rehabilitate and replace culverts including invert paving, joint repair grouting, Cured-in-Place Pipeliner (CIPP) and drainage inlet lid repair.	42230 2021-22	R/W: Const:	$204 $8,519	PA&ED: PS&E: R/W Sup: Con Sup:	$811 $1,469 $212 $2,047	Prior 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	3/18/2020 12/10/2021 12/10/2021 6/13/2022
			Subtotal:	$8,723		$4,539			
			Total Project Cost:			**$13,262**			
Carryover			**Program Code**		201.151 Drainage System Restoration				
			Performance Measure		65 Culvert(s) (ea)				

2018 SHOPP Project List
San Diego
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
11-San Diego-5 0.4/72.4 1237 1116000097	In San Diego County, at various locations on various routes. Replace aging roadside sign panels with retroreflective sheeting.	42550 2019-20	R/W: $0 Const: $1,962	PA&ED: $0 PS&E: $355 R/W Sup: $0 Con Sup: $325	 18-19 19-20	PA&ED: 6/30/2016 R/W Cert: 7/16/2019 RTL: 11/21/2019 Begin Con: 7/14/2020
			Subtotal: $1,962	$680		
			Total Project Cost:	**$2,642**		
New			**Program Code** 201.170 Signs and Lighting Rehabilitation **Performance Measure** 936 Sign(s)			

MOBILITY

11-San Diego-5 R28.6/R29.3 1136 1114000074	In the city of San Diego, from north of La Jolla Village Drive to south of Genesee Avenue, on southbound. Construct a 0.5 mile auxiliary lane.	2T215 2018-19	R/W: Const: $5,000	PA&ED: PS&E: $1,000 R/W Sup: Con Sup: $750	 Prior 18-19	PA&ED: 6/30/2011 R/W Cert: 7/5/2018 RTL: 10/12/2018 Begin Con: 1/31/2019
			Subtotal: $5,000	$1,750		
			Total Project Cost:	**$6,750**		
Carryover			**Program Code** 201.310 Operational Improvements **Performance Measure** 1271 Daily vehicle hour(s) of delay (DVHD)			
11-San Diego-5 R47.0/R48.0 1279 1117000206	In Carlsbad, from Palomar Airport Road to Cannon Road. Construct auxiliary lane in southbound direction for operational efficiency.	43017 2021-22	R/W: $23 Const: $5,501	PA&ED: $207 PS&E: $1,052 R/W Sup: $0 Con Sup: $1,243	18-19 19-20 21-22	PA&ED: 2/25/2020 R/W Cert: 3/30/2021 RTL: 6/30/2021 Begin Con: 2/18/2022
			Subtotal: $5,524	$2,502		
			Total Project Cost:	**$8,026**		
New			**Program Code** 201.310 Operational Improvements **Performance Measure** 77 Daily vehicle hour(s) of delay (DVHD)			
11-San Diego-Var 1171 1115000057	In San Diego County, on various routes at various locations. Replace Changeable Message Signs (CMS) panels with Advanced Variable Message Signs (AVMS) panels.	42070 2019-20	R/W: Const: $4,401	PA&ED: PS&E: $585 R/W Sup: Con Sup: $886	 Prior 19-20	PA&ED: 6/19/2015 R/W Cert: 10/14/2019 RTL: 12/12/2019 Begin Con: 9/4/2020
			Subtotal: $4,401	$1,471		
			Total Project Cost:	**$5,872**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 25 Field element(s)			

2018 SHOPP Project List
San Diego
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
11-San Diego-Var 1174 1115000060	In San Diego County, on various routes at various locations. Replace Changeable Message Signs (CMS) panels with Advanced Variable Message Signs (AVMS) panels.	42080 2018-19	R/W: Const: $4,586	PA&ED: $389 PS&E: $585 R/W Sup: Con Sup: $886	Prior Prior 18-19	PA&ED: 3/24/2017 R/W Cert: 2/22/2018 RTL: 5/25/2018 Begin Con: 1/23/2019
			Subtotal: $4,586	$1,860		
			Total Project Cost:	**$6,446**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 25 Field element(s)			
11-San Diego-Var 1262 1117000102	In San Diego County, at various locations. Repair and install Vehicle Detection Station (VDS) elements including Microwave Vehicle Detection Systems (MVDS) and loop detectors.	42970 2019-20	R/W: Const: $11,535	PA&ED: $911 PS&E: $2,160 R/W Sup: Con Sup: $2,264	Prior 18-19 19-20	PA&ED: 8/22/2018 R/W Cert: 11/15/2019 RTL: 12/13/2019 Begin Con: 5/15/2020
			Subtotal: $11,535	$5,335		
			Total Project Cost:	**$16,870**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 239 Field element(s)			
11-San Diego-5 R0.3/R15.2 1241 1116000177	In San Diego County, at various locations; also on Route 905 (PM 2.5/5.4) and Route 805 (PM 0.2/14.0). Install fiber optic communication lines to improve regional traffic operations and mobility near the United States/Mexico border.	42750 2020-21	R/W: $375 Const: $19,827	PA&ED: $818 PS&E: $1,721 R/W Sup: $62 Con Sup: $4,404	Prior 18-19 18-19 20-21	PA&ED: 2/8/2019 R/W Cert: 4/10/2020 RTL: 7/3/2020 Begin Con: 3/29/2021
			Subtotal: $20,202	$7,005		
			Total Project Cost:	**$27,207**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 13.8 Mile(s) of cable			
11-San Diego-5 R19.5/R55.4 1281 1116000101	In San Diego County, from 0.6 mile south of Route 5/8 Separation to 1.5 miles north of Route 5/76 Separation. Install Vehicle Detection Stations (VDS), Changeable Message Signs (CMS), Closed Circuit Television (CCTV), Ramp Metering, Traffic Signal and Fiber Optic Network elements.	42560 2019-20	R/W: $3 Const: $19,621	PA&ED: PS&E: $1,497 R/W Sup: $122 Con Sup: $2,995	 Prior Prior 19-20	PA&ED: 10/23/2013 R/W Cert: 8/2/2019 RTL: 3/17/2020 Begin Con: 6/16/2020
			Subtotal: $19,624	$4,614		
			Total Project Cost:	**$24,238**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 103 Field element(s)			

2018 SHOPP Project List
San Diego
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
11-San Diego-15 11.5/31.2 1263 1117000103	In San Diego County, at various locations. Update Microwave Vehicle Detection System (MVDS) elements for traffic flow monitoring and data collections.	42980 2018-19	R/W: Const: $3,324	PA&ED: $372 PS&E: $865 R/W Sup: Con Sup: $654	Prior Prior 18-19	PA&ED: 4/18/2018 R/W Cert: 3/8/2019 RTL: 5/8/2019 Begin Con: 12/13/2019
			Subtotal: $3,324	$1,891		
			Total Project Cost:	**$5,215**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 62 Field element(s)			

ROADSIDE PRESERVATION

11-San Diego-5 R0.3/R5.0 1245 1117000039	In the city of San Diego, from Camino de la Plaza Overcrossing to Otay River Bridge; also on Route 805, from Route 805/5 Separation to San Ysidro Boulevard Undercrossing. Convert potable irrigation system to recycled water.	42890 2020-21	R/W: $40 Const: $10,670	PA&ED: $384 PS&E: $1,243 R/W Sup: $3 Con Sup: $1,361	18-19 19-20 19-20 20-21	PA&ED: 1/9/2020 R/W Cert: 12/2/2020 RTL: 1/8/2021 Begin Con: 7/20/2021
			Subtotal: $10,710	$2,991		
			Total Project Cost:	**$13,701**		
New			**Program Code** 201.210 Highway Planting Restoration **Performance Measure** 132 Acre(s)			
11-San Diego-5 3.4/5.0 1205 1114000115	In the city of San Diego, from Iris Street Overcrossing to Otay River Bridge. Replace deteriorated water supply lines and plant landscaping for erosion control.	41880 2020-21	R/W: $0 Const: $1,320	PA&ED: $304 PS&E: $564 R/W Sup: $0 Con Sup: $534	18-19 19-20 20-21	PA&ED: 7/9/2019 R/W Cert: 6/3/2020 RTL: 7/8/2020 Begin Con: 1/19/2021
			Subtotal: $1,320	$1,402		
			Total Project Cost:	**$2,722**		
New			**Program Code** 201.210 Highway Planting Restoration **Performance Measure** 4.6 Acre(s)			
11-San Diego-805 0.7/3.3 1244 1117000038	In the city of San Diego, from San Ysidro Boulevard Undercrossing to Otay River Bridge; also on Route 905, from 0.3 mile east of Picador Boulevard Undercrossing to Caliente Avenue Overcrossing. Convert potable irrigation systems to recycled water.	42880 2020-21	R/W: $30 Const: $8,220	PA&ED: $327 PS&E: $1,149 R/W Sup: $3 Con Sup: $1,174	18-19 19-20 19-20 20-21	PA&ED: 10/10/2019 R/W Cert: 9/3/2020 RTL: 10/9/2020 Begin Con: 4/23/2021
			Subtotal: $8,250	$2,653		
			Total Project Cost:	**$10,903**		
New			**Program Code** 201.210 Highway Planting Restoration **Performance Measure** 139 Acre(s)			

2018 SHOPP Project List
San Diego
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
11-San Diego-805 3.4/5.1 1243 1117000037	In Chula Vista, from 0.3 mile south of Main Street Undercrossing to Palomar Street Overcrossing. Convert potable irrigation systems to recycled water.	42870 2020-21	R/W: Const:	$20 $4,097	PA&ED: PS&E: R/W Sup: Con Sup:	$284 $721 $3 $888	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/11/2019 6/5/2020 7/10/2020 1/21/2021
			Subtotal:	$4,117		$1,896			
			Total Project Cost:			**$6,013**			
			Program Code	201.210 Highway Planting Restoration					
New			**Performance Measure**	40 Acre(s)					

MULTIPLE OBJECTIVE

11-San Diego-5 R30.2/R34.2 1218 1116000125	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/Closed Circuit Television (CCTV) and rehabilitate 48 inch culvert. Asset Management Pilot Project.	42650 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	PA&ED: R/W Cert: RTL: Begin Con:	9/1/2019 10/13/2021 10/30/2020 4/30/2021
			Subtotal:	$3,824		$2,493			
			Total Project Cost:			**$6,317**			
			Program Code	201.999 MULTIPLE OBJECTIVE					
New			**Performance Measure**	1 Location(s)					

San Diego County

R/W:	$6,428	PA&ED:	$24,657
Const:	$372,537	PS&E:	$62,202
		R/W Sup:	$4,538
		Con Sup:	$69,233
Subtotal:	$378,965		$160,630
Total (Capital + Support):			**$539,595**

2018 SHOPP Project List
San Francisco
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
04-San Francisco-101 0.0/4.2 1490F 0415000340	In the City and County of San Francisco, from San Mateo County line to Route 101/80 Junction. Overlay existing pavement with open graded asphalt, groove concrete pavement and upgrade drainage system.	4J390 2019-20	R/W: $20 Const: $21,970	PA&ED: $1,500 PS&E: $1,700 R/W Sup: $30 Con Sup: $3,000	Prior 18-19 18-19 19-20	PA&ED: 10/1/2018 R/W Cert: 5/1/2020 RTL: 6/1/2020 Begin Con: 10/1/2020
			Subtotal: $21,990	$6,230		
			Total Project Cost:	**$28,220**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 261 Collision(s) reduced			
04-San Francisco-1 1489B 0415000221	In the City and County of San Francisco, on Routes 1, 35, 80, 101 and 280 at various locations. Crosswalk safety enhancements.	3J890 2019-20	R/W: $5 Const: $5,800	PA&ED: $440 PS&E: $914 R/W Sup: $91 Con Sup: $914	Prior 18-19 18-19 19-20	PA&ED: 1/4/2019 R/W Cert: 4/17/2020 RTL: 6/15/2020 Begin Con: 2/1/2021
			Subtotal: $5,805	$2,359		
			Total Project Cost:	**$8,164**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 55 Collision(s) reduced			
04-San Francisco-101 0.5/R5.2 1493G 0416000048	In the City and County of San Francisco, from Bayshore Boulevard Overcrossing (OC) to South Van Ness Avenue; also on Route 280, from Monterey Boulevard onramp OC to King Street onramp (PM R2.8 to T7.2). Install vandalism-resistant security fence and gates to reduce maintenance repairs and enhance highway worker safety.	4J970 2020-21	R/W: $3 Const: $6,196	PA&ED: $950 PS&E: $1,000 R/W Sup: $95 Con Sup: $1,520	18-19 19-20 19-20 20-21	PA&ED: 11/29/2019 R/W Cert: 5/31/2021 RTL: 6/30/2021 Begin Con: 11/30/2021
			Subtotal: $6,199	$3,565		
			Total Project Cost:	**$9,764**		
New			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 80 Location(s)			
MANDATES						
04-San Francisco-1 6.0 1067C 0414000340	In the city of San Francisco, at Presidio National Park. Water quality improvements.	1A905 2019-20	R/W: $1,050 Const: $785	PA&ED: $1,020 PS&E: $315 R/W Sup: $50 Con Sup: $336	Prior 18-19 18-19 19-20	PA&ED: 3/1/2019 R/W Cert: 6/15/2020 RTL: 6/29/2020 Begin Con: 2/10/2021
			Subtotal: $1,835	$1,721		
			Total Project Cost:	**$3,556**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 9.6 Acre(s) treated/pollutant			

2018 SHOPP Project List
San Francisco
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
BRIDGE PRESERVATION						
04-San Francisco-101 2.0 0587D 0412000141	Near San Francisco, at Alemany Circle Undercrossing No. 34-0033. Rehabilitate bridge.	3G620 2018-19	R/W: $20 Const: $32,400	PA&ED: $4,000 PS&E: $3,000 R/W Sup: $20 Con Sup: $3,250	Prior Prior Prior 18-19	PA&ED: 11/15/2017 R/W Cert: 4/15/2019 RTL: 5/1/2019 Begin Con: 8/26/2019
			Subtotal: $32,420	$10,270		
			Total Project Cost:	**$42,690**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
04-San Francisco-101 4.1/R5.1 1483S 0415000034	In the City and County of San Francisco, at the Central Viaduct No. 34-0077 from south of 17th Street to S. Van Ness Avenue; also on Route 80, at the Bayshore Viaduct No. 34-0088 from Route 101 to 4th Street (PM 3.9/4.8). Paint superstructure steel members. (G13 Contingency)	2J800 2019-20	R/W: $62 * Const: $100,793	PA&ED: $2,500 PS&E: $9,200 R/W Sup: $300 * Con Sup: $13,000	Prior 18-19 18-19 19-20	PA&ED: 12/1/2018 R/W Cert: 5/1/2020 RTL: 6/1/2020 Begin Con: 8/1/2021
			Subtotal: $100,855	$25,000		
			Total Project Cost:	**$125,855**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 2 Bridge(s)			
04-San Francisco-101 2.0/2.9 1450E 0416000380	In the City and County of San Francisco, at Alemany Circle Undercrossing (UC) No. 34 -0064K, Alemany Circle UC No. 34-0063S and Bayshore Boulevard UC No. 34-0047S; also in San Mateo County in Pacifica, at Paloma Avenue Overcrossing No. 35-0187 (PM R44.21). Upgrade bridge rails.	2K190 2020-21	R/W: $10 Const: $5,461	PA&ED: $657 PS&E: $1,751 R/W Sup: $164 Con Sup: $1,805	18-19 19-20 19-20 20-21	PA&ED: 10/1/2019 R/W Cert: 1/1/2021 RTL: 3/1/2021 Begin Con: 10/1/2021
			Subtotal: $5,471	$4,377		
			Total Project Cost:	**$9,848**		
New			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 2249.0 Linear feet			
ROADWAY PRESERVATION						
04-San Francisco-1 6.3/6.6 1490A 0415000147	In the City and County of San Francisco, from north of Lake Street to south of Route 101 at the McArthur Tunnel. Replace existing lighting system with LED lighting system.	3J300 2018-19	R/W: $5 Const: $4,706	PA&ED: $220 PS&E: $440 R/W Sup: $25 Con Sup: $850	Prior Prior Prior 18-19	PA&ED: 1/17/2018 R/W Cert: 2/15/2019 RTL: 3/1/2019 Begin Con: 11/1/2019
			Subtotal: $4,711	$1,535		
			Total Project Cost:	**$6,246**		
Carryover			**Program Code** 201.170 Signs and Lighting Rehabilitation **Performance Measure** 380 Lighting fixture(s)			

2018 SHOPP Project List
San Francisco

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
FACILITIES						
04-San Francisco-101 4.2 1453E 0417000057	In the City and County of San Francisco, at the District 4 Materials Laboratory beneath Route 101 (325 San Bruno Avenue). Construct permanent District 4 Materials Lab at alternative state-owned site to replace obsolete facility closed in March 2015 due to unsafe conditions.	2K950 2021-22	R/W: $255 Const: $12,087	PA&ED: $2,210 PS&E: $1,820 R/W Sup: $130 Con Sup: $3,086	18-19 19-20 19-20 21-22	PA&ED: 4/1/2020 R/W Cert: 12/1/2021 RTL: 2/1/2022 Begin Con: 9/1/2022
			Subtotal: $12,342	$7,246		
			Total Project Cost:	**$19,588**		
			Program Code	201.354 Materials Labs		
New			**Performance Measure**	1 Location(s)		

San Francisco County

R/W:	$1,430	PA&ED:	$13,497
Const:	$190,198	PS&E:	$20,140
		R/W Sup:	$905
		Con Sup:	$27,761
Subtotal:	$191,628		$62,303
Total (Capital + Support):			**$253,931**

2018 SHOPP Project List
San Joaquin
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
10-San Joaquin-4 4.1/4.9 3177 1016000139	Near Holt, from 0.3 mile west to 0.5 mile east of Middle River Bridge. Realign curve, widen shoulders, upgrade guard rail, and install flashing beacons.	1F460 2019-20	R/W: $1,358 Const: $7,335	PA&ED: $1,081 PS&E: $1,453 R/W Sup: $274 Con Sup: $2,006	Prior 18-19 18-19 19-20	PA&ED: 12/3/2018 R/W Cert: 6/15/2020 RTL: 6/22/2020 Begin Con: 10/21/2020
			Subtotal: $8,693	$4,814		
			Total Project Cost:	**$13,507**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 50 Collision(s) reduced			
10-San Joaquin-88 22.1 3207 1016000031	Near Clements, at Liberty Road. Improve intersection.	1E531 2019-20	R/W: $715 Const: $5,500	PA&ED: $434 PS&E: $1,400 R/W Sup: $460 Con Sup: $1,200	Prior 18-19 18-19 19-20	PA&ED: 7/31/2018 R/W Cert: 5/15/2020 RTL: 5/29/2020 Begin Con: 11/30/2020
			Subtotal: $6,215	$3,494		
			Total Project Cost:	**$9,709**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 18 Collision(s) reduced			
10-San Joaquin-205 3231 1017000014	In San Joaquin, Stanislaus, and Tuolumne Counties, on Routes 4, 5, 99, 120, and 205 at various locations. Improve wet roadway surface conditions at twelve locations.	1E590 2018-19	R/W: Const: $4,150	PA&ED: $288 PS&E: $642 R/W Sup: $31 Con Sup: $547	Prior Prior Prior 18-19	PA&ED: 10/26/2017 R/W Cert: 2/16/2018 RTL: 5/1/2018 Begin Con: 9/30/2018
			Subtotal: $4,150	$1,508		
			Total Project Cost:	**$5,658**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 264 Collision(s) reduced			
10-San Joaquin-5 3190 1016000021	In San Joaquin and Stanislaus Counties, on Route 5 at various locations; also in Merced County, on Route 152 at various locations. Install new or upgrade existing safety devices to shield objects from errant vehicles.	1C970 2019-20	R/W: $14 Const: $1,361	PA&ED: $445 PS&E: $1,104 R/W Sup: $0 Con Sup: $872	18-19 18-19 19-20	PA&ED: 3/1/2019 R/W Cert: 12/15/2019 RTL: 1/15/2020 Begin Con: 7/15/2020
			Subtotal: $1,375	$2,421		
			Total Project Cost:	**$3,796**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 13 Collision(s) reduced			

2018 SHOPP Project List
San Joaquin
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
10-San Joaquin-4 R15.7/R19.2 3110 1013000241	In Stockton, from Garfield Avenue to Route 99 at various locations. Highway worker safety improvements.	0X690 2018-19	R/W: $60 Const: $3,520	PA&ED: $650 PS&E: $740 R/W Sup: $10 Con Sup: $600	Prior Prior Prior 18-19	PA&ED: 8/10/2017 R/W Cert: 12/15/2018 RTL: 1/15/2019 Begin Con: 7/22/2019
			Subtotal: $3,580	$2,000		
			Total Project Cost:	**$5,580**		
Carryover			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	102	Location(s)	
10-San Joaquin-5 R16.1/25.4 3112 1013000242	In and near Lathrop and Stockton, from south of Louise Avenue to Charter Way; also from south of Hammer Lane to north of Eight Mile Road (PM 32.3/35.7). Highway worker safety improvements.	0X720 2018-19	R/W: $10 Const: $2,770	PA&ED: $200 PS&E: $470 R/W Sup: $10 Con Sup: $480	Prior Prior Prior 18-19	PA&ED: 10/3/2017 R/W Cert: 5/16/2018 RTL: 6/5/2018 Begin Con: 1/23/2019
			Subtotal: $2,780	$1,160		
			Total Project Cost:	**$3,940**		
Carryover			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	61	Location(s)	
10-San Joaquin-99 11.5/29.4 3237 1017000015	In and near Stockton and Lodi, at various locations from French Camp Road to Kettleman Lane; also at the Route 4 (PM R15.7 to R16.6) and Route 5 (PM 25.8 to 26.6) Interchange. Pave areas behind the gore, slopes, and at narrow locations, and construct access gates and Maintenance Vehicle Pullouts (MVPs) to reduce maintenance and improve highway worker safety.	1C760 2020-21	R/W: $23 Const: $1,922	PA&ED: $495 PS&E: $1,130 R/W Sup: $15 Con Sup: $790	18-19 19-20 19-20 20-21	PA&ED: 7/2/2019 R/W Cert: 8/21/2020 RTL: 10/15/2020 Begin Con: 4/21/2021
			Subtotal: $1,945	$2,430		
			Total Project Cost:	**$4,375**		
New			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	88	Location(s)	
10-San Joaquin-120 R2.6/T7.1 3120 1013000247	In and near Manteca, from east of McKinley Avenue to Route 99. Highway worker safety improvements.	0X710 2018-19	R/W: $11 Const: $3,491	PA&ED: $409 PS&E: $723 R/W Sup: $9 Con Sup: $808	Prior Prior 18-19 18-19	PA&ED: 1/3/2018 R/W Cert: 1/15/2019 RTL: 1/29/2019 Begin Con: 7/2/2019
			Subtotal: $3,502	$1,949		
			Total Project Cost:	**$5,451**		
Carryover			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	33	Location(s)	

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
10-San Joaquin-205 2.3/R9.7 3111 1013000248	In and near Tracy, from Hansen Road to Paradise Road. Highway worker safety improvements.	0X700 2018-19	R/W: Const:	$33 $3,727	PA&ED: PS&E: R/W Sup: Con Sup:	$225 $877 $10 $861	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	9/14/2017 10/1/2018 11/1/2018 5/6/2019
			Subtotal:	$3,760		$1,973			
			Total Project Cost:			**$5,733**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		41	Location(s)			
MANDATES									
10-San Joaquin-12 17.4/18.1 3254 1017000016	In Lodi, from Stockton Street to Route 99. Upgrade pedestrian facilities to make compliant with the Americans with Disabilities Act (ADA) Standards.	1G510 2021-22	R/W: Const:	$479 $850	PA&ED: PS&E: R/W Sup: Con Sup:	$286 $770 $915 $560	18-19 18-19 18-19 21-22	PA&ED: R/W Cert: RTL: Begin Con:	5/28/2019 9/30/2021 11/1/2021 5/12/2022
			Subtotal:	$1,329		$2,531			
			Total Project Cost:			**$3,860**			
New			**Program Code**		201.361	Americans with Disabilities Act New Curb Ramps			
			Performance Measure		18	Curb ramp(s)			
10-San Joaquin-99 0.9 3156 1014000102	In Ripon, at Main Street Overcrossing; also in Lodi at Turner Road Overcrossing (PM 31.6). Upgrade pedestrian facilities to comply with Americans with Disabilities Act (ADA) requirements.	1C060 2018-19	R/W: Const:	$8 $1,553	PA&ED: PS&E: R/W Sup: Con Sup:	$97 $530 $58 $550	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/26/2017 5/1/2018 5/17/2018 1/2/2019
			Subtotal:	$1,561		$1,235			
			Total Project Cost:			**$2,796**			
Carryover			**Program Code**		201.361	Americans with Disabilities Act New Curb Ramps			
			Performance Measure		40	Curb ramp(s)			
BRIDGE PRESERVATION									
10-San Joaquin-5 26.5 3193 1016000020	In Stockton, at the Stockton Channel Viaduct No. 29-0176L/R. Bridge deck rehabilitation at spot locations.	1C940 2019-20	R/W: Const:	$5 $4,766	PA&ED: PS&E: R/W Sup: Con Sup:	$335 $1,030 $10 $1,950	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/13/2018 9/20/2019 1/3/2020 7/13/2020
			Subtotal:	$4,771		$3,325			
			Total Project Cost:			**$8,096**			
Carryover			**Program Code**		201.110	Bridge Major Rehabilitation			
			Performance Measure		2	Bridge(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
10-San Joaquin-26 1.1 3169 1016000032	Near Stockton, at Route 26/99 Separation No. 29-0142 (PM 1.11). Establish standard vertical clearance.	1F170 2020-21	R/W: Const:	$7 $6,112	PA&ED: PS&E: R/W Sup: Con Sup:	$598 $1,827 $13 $3,221	18-19 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	5/1/2019 12/15/2020 1/15/2021 7/1/2021
			Subtotal:	$6,119		$5,659			
			Total Project Cost:			**$11,778**			
New			**Program Code**		201.110 Bridge Major Rehabilitation				
			Performance Measure		1 Bridge(s)				
10-San Joaquin-5 3118 1013000251	In San Joaquin County, on Routes 5 and 580 and in Stanislaus County on Route 99, at various locations. Seismic retrofit of four bridges.	0P540 2019-20	R/W: Const:	$263 $8,758	PA&ED: PS&E: R/W Sup: Con Sup:	$515 $1,992 $73 $1,783	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	10/10/2017 11/1/2019 11/15/2019 5/6/2020
			Subtotal:	$9,021		$4,363			
			Total Project Cost:			**$13,384**			
Carryover			**Program Code**		201.113 Bridge Seismic Restoration				
			Performance Measure		4 Bridge(s)				
10-San Joaquin-4 3113 1015000037	Near Discovery Bay, at Old River Bridge No. 29-0045. Upgrade mechanical and electrical equipment on movable bridge.	1C800 2019-20	R/W: Const:	$2,000 $4,079	PA&ED: PS&E: R/W Sup: Con Sup:	$490 $1,358 $55 $1,319	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	8/15/2018 4/3/2020 5/4/2020 10/21/2020
			Subtotal:	$6,079		$3,222			
			Total Project Cost:			**$9,301**			
Carryover			**Program Code**		201.119 Bridge Preventative Maintenance				
			Performance Measure		1 Bridge(s)				
10-San Joaquin-4 R16.6/R17.8 3198 1016000023	In Stockton, at Crosstown Freeway Viaduct No. 29-0269. Reconstruct hinge 32 (left and right) and three ramp joint seals.	1C860 2018-19	R/W: Const:	$115 $3,428	PA&ED: PS&E: R/W Sup: Con Sup:	$648 $848 $37 $631	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	11/15/2017 3/1/2019 3/15/2019 11/29/2019
			Subtotal:	$3,543		$2,164			
			Total Project Cost:			**$5,707**			
Carryover			**Program Code**		201.119 Bridge Preventative Maintenance				
			Performance Measure		1 Bridge(s)				

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
10-San Joaquin-12 R4.4 3273 1017000024	Near Terminous, at Little Potato Slough Bridge No. 29-0101. Replace joint seals and bearing pads using temporary pile supports.	1F760 2020-21	R/W: Const:	$925 $3,028	PA&ED: PS&E: R/W Sup: Con Sup:	$553 $905 $2 $1,232	Prior 20-21 20-21 20-21	PA&ED: R/W Cert: RTL: Begin Con:	7/20/2020 2/17/2021 5/20/2021 12/15/2021
			Subtotal:	$3,953		$2,692			
			Total Project Cost:			**$6,645**			
Carryover			**Program Code**		201.119 Bridge Preventative Maintenance				
			Performance Measure		1 Bridge(s)				
10-San Joaquin-99 21.7 3206 1016000022	Near Stockton, at Wilson Way Overcrossing No. 29-0118C. Remove existing damaged girder and build new overhang and barrier, resulting in reduced bridge width and increased vertical clearance.	1C880 2018-19	R/W: Const:	$4 $1,170	PA&ED: PS&E: R/W Sup: Con Sup:	$172 $562 $7 $420	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	7/13/2017 6/5/2018 7/5/2018 11/22/2018
			Subtotal:	$1,174		$1,161			
			Total Project Cost:			**$2,335**			
Carryover			**Program Code**		201.119 Bridge Preventative Maintenance				
			Performance Measure		1 Bridge(s)				
10-San Joaquin-5 10.7 3235B 1018000078	In and near Lathrop, at Deuel Overhead No. 29 -0262R/L. Improve to standard truck capacity.	1H342 2019-20	R/W: Const:	$440 $7,700	PA&ED: PS&E: R/W Sup: Con Sup:	$498 $925 $70 $1,700	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	12/30/2017 1/30/2020 2/28/2020 8/26/2020
			Subtotal:	$8,140		$3,193			
			Total Project Cost:			**$11,333**			
Carryover			**Program Code**		201.322 Trans Permit Requirements for Bridges				
			Performance Measure		2 Bridge(s)				
10-San Joaquin-99 17.2 3148 1013000265	In Stockton, at Route 4/99 Separation (Farmington Road) Bridge No. 29-0155. Replace structure to provide standard vertical clearance.	0X310 2019-20	R/W: Const:	$115 $5,776	PA&ED: PS&E: R/W Sup: Con Sup:	$673 $2,092 $147 $1,984	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	11/9/2017 12/2/2019 12/16/2019 7/1/2020
			Subtotal:	$5,891		$4,896			
			Total Project Cost:			**$10,787**			
Carryover			**Program Code**		201.322 Trans Permit Requirements for Bridges				
			Performance Measure		1 Bridge(s)				

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
10-San Joaquin-4 T15.5/R16.6 3165 1016000026	In Stockton, from 0.1 mile east of Fresno Avenue to west of Center Street. Roadway rehabilitation.	1C500 2019-20	R/W: $48 Const: $30,576	PA&ED: $538 PS&E: $2,324 R/W Sup: $19 Con Sup: $4,589	Prior 18-19 18-19 19-20	PA&ED: 5/7/2018 R/W Cert: 10/10/2019 RTL: 11/10/2019 Begin Con: 7/11/2020
			Subtotal: $30,624	$7,470		
			Total Project Cost:	**$38,094**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 9.5 Lane mile(s)			
10-San Joaquin-5 3.5/49.0 3140 1014000098	In San Joaquin County, on Routes 4, 5, and 99 at various locations. Rehabilitate culverts.	1C200 2019-20	R/W: $71 Const: $3,178	PA&ED: $870 PS&E: $725 R/W Sup: $199 Con Sup: $597	Prior 18-19 18-19 19-20	PA&ED: 9/4/2018 R/W Cert: 5/22/2020 RTL: 6/22/2020 Begin Con: 12/1/2020
			Subtotal: $3,249	$2,391		
			Total Project Cost:	**$5,640**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 31 Culvert(s) (ea)			
10-San Joaquin-88 13.5/14.1 3141 1013000260	Near Lockeford, from 0.1 mile south of East Jack Tone Road to north of North Tully Road intersection; also near Kirkwood, in Alpine County (PM 0.3/2.4). Replace culverts.	0S740 2020-21	R/W: $335 Const: $3,160	PA&ED: $795 PS&E: $900 R/W Sup: $290 Con Sup: $875	Prior 18-19 18-19 20-21	PA&ED: 12/3/2018 R/W Cert: 12/5/2020 RTL: 12/20/2020 Begin Con: 7/21/2021
			Subtotal: $3,495	$2,860		
			Total Project Cost:	**$6,355**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 30 Culvert(s) (ea)			
10-San Joaquin-99 19.7/33.6 3229 1017000022	In and near Stockton and Lodi, at various locations from Eastside Underpass to Acampo Road; also on Route 4 at the Route 4/5 Separation (PM R16.10) and on Route 120 in Lathrop at Mossdale Underpass (PM R0.5). Upgrade drainage pump plants.	1E610 2021-22	R/W: $260 Const: $5,169	PA&ED: $439 PS&E: $1,530 R/W Sup: $59 Con Sup: $1,289	18-19 19-20 19-20 21-22	PA&ED: 9/9/2019 R/W Cert: 12/13/2021 RTL: 1/13/2022 Begin Con: 7/5/2022
			Subtotal: $5,429	$3,317		
			Total Project Cost:	**$8,746**		
New			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 5 Culvert(s) (ea)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
10-San Joaquin-5 3129 1015000002	In San Joaquin County, on Routes 5 and 99, and in Stanislaus County, on Routes 5, at various locations. Upgrade sign panels and replace overhead sign structures.	1C530 2018-19	R/W: Const:	$8 $1,538	PA&ED: PS&E: R/W Sup: Con Sup:	$353 $889 $52 $543	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	5/16/2017 8/15/2018 12/3/2018 7/15/2019
			Subtotal:	$1,546		$1,837			
			Total Project Cost:			**$3,383**			
Carryover			**Program Code**	201.170 Signs and Lighting Rehabilitation					
			Performance Measure	23 Lighting fixture(s)					

MOBILITY

10-San Joaquin-26 13.1/R13.8 3275 1013000148	Near Linden, from 0.3 mile east of Fine Road to 0.1 mile west of Podesta Lane. Widen travel lanes and shoulders to improve the existing conditions for Surface Transportation Assistance Act (STAA) trucks.	0H560 2019-20	R/W: Const:	$540 $1,250	PA&ED: PS&E: R/W Sup: Con Sup:	 $425 $230 $680	 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	6/30/2017 7/3/2019 8/14/2019 2/28/2020
			Subtotal:	$1,790		$1,335			
			Total Project Cost:			**$3,125**			
New			**Program Code**	201.310 Operational Improvements					
			Performance Measure	34 Daily vehicle hour(s) of delay (DVHD)					
10-San Joaquin-99 30.9/31.3 3145 1014000134	In Lodi, from south of Route 12 (Victor Road) to south of Turner Road. Realign northbound onramp, increase bridge vertical clearance and construct auxiliary lane.	1C280 2018-19	R/W: Const:	$92 $11,110	PA&ED: PS&E: R/W Sup: Con Sup:	$910 $1,417 $75 $2,199	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	12/29/2017 5/17/2019 5/28/2019 1/6/2020
			Subtotal:	$11,202		$4,601			
			Total Project Cost:			**$15,803**			
Carryover			**Program Code**	201.310 Operational Improvements					
			Performance Measure	158.2 Daily vehicle hour(s) of delay (DVHD)					
10-San Joaquin-4 R16.0/R19.4 3274 1016000077	In Stockton, from Route 5 to Route 99. Install ramp meters, traffic monitoring systems, Closed Circuit Television (CCTV), and synchronize intersection signals with ramp metering.	1F180 2021-22	R/W: Const:	$1,269 $37,521	PA&ED: PS&E: R/W Sup: Con Sup:	$2,177 $5,813 $667 $9,058	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	9/15/2019 3/15/2022 4/15/2022 12/1/2022
			Subtotal:	$38,790		$17,715			
			Total Project Cost:			**$56,505**			
New			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	30 Field element(s)					

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
10-San Joaquin-5 3147 1015000001	In various counties, on various routes, at various locations. Upgrade Transportation Management System (TMS) elements.	1C620 2018-19	R/W: Const:	$15 $3,462	PA&ED: PS&E: R/W Sup: Con Sup:	$333 $881 $138 $697	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	5/16/2017 5/7/2019 6/14/2019 12/27/2019
			Subtotal:	$3,477		$2,049			
			Total Project Cost:			**$5,526**			
Carryover			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	24 Field element(s)					
10-San Joaquin-5 R21.4/27.9 3250 1016000053	In and near Stockton, on Routes 4 (PM 14.6/21.2), 5 and 99 (PM 15.8/18.5) at various locations. Install Intelligent Transportation System (ITS) elements.	1F400 2021-22	R/W: Const:	$80 $8,960	PA&ED: PS&E: R/W Sup: Con Sup:	$820 $2,550 $380 $1,805	Prior 18-19 18-19 21-22	PA&ED: R/W Cert: RTL: Begin Con:	8/28/2018 11/23/2021 12/22/2021 7/14/2022
			Subtotal:	$9,040		$5,555			
			Total Project Cost:			**$14,595**			
Carryover			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	22 Field element(s)					
10-San Joaquin-99 3227 1017000036	In San Joaquin, Merced, and Stanislaus Counties, on Routes 5, 12, 59, 99, and 152 at various locations. Upgrade or replace inefficient and damaged Traffic Monitoring Station (TMS) elements.	1G750 2019-20	R/W: Const:	$7 $6,862	PA&ED: PS&E: R/W Sup: Con Sup:	$1,202 $1,719 $465 $1,310	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2019 2/14/2020 3/16/2020 9/15/2020
			Subtotal:	$6,869		$4,696			
			Total Project Cost:			**$11,565**			
Carryover			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	101 Field element(s)					
10-San Joaquin-120 3226 1017000074	In San Joaquin, Amador, Calaveras, Merced, Mariposa, Stanislaus, and Tuolumne Counties, on Routes 4, 5, 26, 33, 49, 59, 88, 99, 104, 108, 120, 132, 140, 152 and 205 at various locations. Repair or replace damaged and nonfunctioning Traffic Management System (TMS) elements.	1G990 2020-21	R/W: Const:	$33 $2,065	PA&ED: PS&E: R/W Sup: Con Sup:	$632 $1,191 $107 $1,243	Prior 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	4/26/2019 11/5/2020 1/5/2021 7/6/2021
			Subtotal:	$2,098		$3,173			
			Total Project Cost:			**$5,271**			
Carryover			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	59 Field element(s)					

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
10-San Joaquin-120 R0.6/R6.1 3230 1017000021	In and near Manteca and Lathrop, from Route 5 to Route 99; also on Route 5 at PM R13.34 and on Route 99 at PM 4.56. Install Intelligent Transportation System (ITS) field elements.	1C960 2020-21	R/W: Const:	$68 $3,550	PA&ED: PS&E: R/W Sup: Con Sup:	$373 $1,221 $5 $1,121	Prior 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	8/17/2018 12/3/2020 1/29/2021 9/13/2021
			Subtotal:	$3,618		$2,720			
			Total Project Cost:			**$6,338**			
Carryover			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	59 Field element(s)					
10-San Joaquin-205 R4.5/R9.0 3146 1014000146	In Tracy, from Byron Road Undercrossing to Paradise Road Overcrossing. Install ramp meters and other Intelligent Transportation System (ITS) elements.	1C330 2020-21	R/W: Const:	$4,830 $13,257	PA&ED: PS&E: R/W Sup: Con Sup:	$1,057 $2,512 $979 $2,831	Prior 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	8/30/2018 6/15/2021 6/30/2021 12/20/2021
			Subtotal:	$18,087		$7,379			
			Total Project Cost:			**$25,466**			
Carryover			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	14 Field element(s)					

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R/W:	$14,241	PA&ED:	$19,591
Const:	$212,654	PS&E:	$45,475
		R/W Sup:	$5,871
		Con Sup:	$52,351
Subtotal:	$226,895		$123,288
Total (Capital + Support):			**$350,183**

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
05-San Luis Obispo-46 R17.2/R17.6 2701 0517000017	Near Paso Robles, at Route 46 West intersection with Vineyard Drive. Construct roundabout.	1H930 2019-20	R/W: $47 Const: $5,549	PA&ED: PS&E: $1,895 R/W Sup: $105 Con Sup: $1,806	 Prior Prior 19-20	PA&ED: 1/12/2018 R/W Cert: 10/9/2019 RTL: 1/9/2020 Begin Con: 8/19/2020
			Subtotal: $5,596	$3,806		
			Total Project Cost:	**$9,402**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 14 Collision(s) reduced			
05-San Luis Obispo-101 2508 0513000135	In the city of San Luis Obispo, from north of Marsh Street Bridge to Broad Street; also in Atascadero on Route 41 from Old Morro Road to Atascadero Creek Bridge (PM 12.5/13.3). Upgrade highway safety features.	1F370 2019-20	R/W: $7 Const: $3,800	PA&ED: $834 PS&E: $970 R/W Sup: $92 Con Sup: $843	Prior 18-19 18-19 19-20	PA&ED: 7/3/2018 R/W Cert: 3/20/2020 RTL: 4/1/2020 Begin Con: 12/16/2020
			Subtotal: $3,807	$2,739		
			Total Project Cost:	**$6,546**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 33 Collision(s) reduced			
05-San Luis Obispo-101 36.6/55.7 2518 0514000002	In and near Atascadero, from Santa Margarita Creek to South Paso Robles Overhead. Improve clear recovery and install barrier.	1F490 2019-20	R/W: $50 Const: $2,687	PA&ED: $395 PS&E: $1,097 R/W Sup: $50 Con Sup: $805	Prior 18-19 18-19 19-20	PA&ED: 8/1/2018 R/W Cert: 11/1/2019 RTL: 3/2/2020 Begin Con: 7/20/2020
			Subtotal: $2,737	$2,347		
			Total Project Cost:	**$5,084**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 29 Collision(s) reduced			
MANDATES						
05-San Luis Obispo-41 14.2/15.9 2532 0514000040	In Atascadero, from San Gabriel Road to Route 101 Southbound ramps. Improve and construct new Americans with Disabilities Act (ADA) accessible pedestrian pathways and install Accessible Pedestrian Signals (APS) systems.	1F630 2018-19	R/W: $679 Const: $3,550	PA&ED: $827 PS&E: $1,333 R/W Sup: $1,082 Con Sup: $1,141	Prior Prior Prior 18-19	PA&ED: 10/5/2017 R/W Cert: 6/20/2019 RTL: 6/20/2019 Begin Con: 2/20/2020
			Subtotal: $4,229	$4,383		
			Total Project Cost:	**$8,612**		
Carryover			**Program Code** 201.361 Americans with Disabilities Act New Curb Ramps **Performance Measure** 126 Curb ramp(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
BRIDGE PRESERVATION						
05-San Luis Obispo-1 32.6 0072 0515000097	In Morro Bay, at Toro Creek Bridge. Replace bridge.	0L721 2019-20	R/W: $906 Const: $5,200	PA&ED: $1,424 PS&E: $2,300 R/W Sup: $275 Con Sup: $2,400	Prior 18-19 18-19 19-20	PA&ED: 6/18/2018 R/W Cert: 4/17/2020 RTL: 6/29/2020 Begin Con: 2/4/2021
			Subtotal: $6,106	$6,399		
			Total Project Cost:	**$12,505**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
05-San Luis Obispo-1 34.5 0072A 0515000098	Near Morro Bay, at Old Creek Bridge No. 05-49-0070R. Replace bridge.	0L722 2019-20	R/W: $450 Const: $4,200	PA&ED: $1,399 PS&E: $1,900 R/W Sup: $200 Con Sup: $1,900	Prior Prior Prior 19-20	PA&ED: 11/2/2017 R/W Cert: 1/2/2020 RTL: 4/28/2020 Begin Con: 11/13/2020
			Subtotal: $4,650	$5,399		
			Total Project Cost:	**$10,049**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
05-San Luis Obispo-58 3.1 0072B 0515000099	Near Santa Margarita, at Trout Creek Bridge No. 05-49-0091. Replace bridge.	0L723 2019-20	R/W: $308 Const: $5,987	PA&ED: $1,419 PS&E: $2,500 R/W Sup: $210 Con Sup: $2,900	Prior Prior Prior 19-20	PA&ED: 11/1/2017 R/W Cert: 12/2/2019 RTL: 1/8/2020 Begin Con: 8/12/2020
			Subtotal: $6,295	$7,029		
			Total Project Cost:	**$13,324**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
ROADWAY PRESERVATION						
05-San Luis Obispo-101 63.5/65.2 0040C 0515000019	In San Luis Obispo County near Paso Robles from 0.1 mile south to 0.1 mile north of San Marcos Creek Bridge and from 0.1 mile south to 0.1 mile north of South San Miguel Undercrossing. Landscape mitigation.	0G041 2018-19	R/W: Const: $270	PA&ED: PS&E: $223 R/W Sup: $28 Con Sup: $479	 Prior 18-19 18-19	PA&ED: 9/4/2013 R/W Cert: 3/15/2019 RTL: 6/3/2019 Begin Con: 11/18/2019
			Subtotal: $270	$730		
			Total Project Cost:	**$1,000**		
Carryover			**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 0.0 Lane mile(s)			

2018 SHOPP Project List
San Luis Obispo
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
05-San Luis Obispo-1 10.0/16.8 2630 0516000009	In and near Pismo Beach, from Gracia Way to North Pismo (Route 101/Route 1) Separation. Upgrade Americans with Disabilities Act (ADA) curb ramps, cold plane pavement and place Rubberized Hot Mix Asphalt (RHMA) pavement.	1G980 2021-22	R/W: $303 Const: $8,618	PA&ED: $1,156 PS&E: $1,751 R/W Sup: $1,670 Con Sup: $1,568	Prior 18-19 18-19 21-22	PA&ED: 2/1/2019 R/W Cert: 4/6/2022 RTL: 4/6/2022 Begin Con: 8/23/2022
			Subtotal: $8,921	$6,145		
			Total Project Cost:	**$15,066**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 13.5 Lane mile(s)			
05-San Luis Obispo-1 R66.9/R67.2 4928X 0517000045	Near San Simeon, from the Arroyo de la Cruz Bridge to 0.3 mile north of the Arroyo de la Cruz Bridge. Plant propagation.	49284 2018-19	R/W: Const: $140	PA&ED: PS&E: $110 R/W Sup: Con Sup: $229	 Prior 18-19	PA&ED: 8/11/2010 R/W Cert: 10/1/2018 RTL: 3/18/2019 Begin Con: 9/25/2019
			Subtotal: $140	$339		
			Total Project Cost:	**$479**		
Carryover			**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 1 Location(s)			
05-San Luis Obispo-1 R66.9/R67.2 4928Y 0517000046	Near San Simeon, from the Arroyo de la Cruz Bridge to 0.3 mile north of the Arroyo de la Cruz Bridge. Planting, wetland and California Red-legged Frog mitigation.	49285 2019-20	R/W: $11 Const: $7,464	PA&ED: PS&E: $1,057 R/W Sup: $56 Con Sup: $2,424	 Prior Prior 19-20	PA&ED: 8/11/2010 R/W Cert: 2/27/2019 RTL: 7/25/2019 Begin Con: 3/5/2020
			Subtotal: $7,475	$3,537		
			Total Project Cost:	**$11,012**		
Carryover			**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 0 Location(s)			
MOBILITY						
05-San Luis Obispo-101 31.5/59.1 4022 0516000007	In San Luis Obispo County, from 0.3 mile north of Reservoir Canyon Road to 0.3 mile north of North Paso Robles Overhead at various locations. Install vehicle detection systems, Changeable Message Signs (CMS), cameras, and loop detectors.	0N220 2020-21	R/W: $5 Const: $2,865	PA&ED: $380 PS&E: $1,095 R/W Sup: $78 Con Sup: $702	Prior 18-19 18-19 20-21	PA&ED: 2/1/2019 R/W Cert: 8/3/2020 RTL: 12/1/2020 Begin Con: 4/1/2022
			Subtotal: $2,870	$2,255		
			Total Project Cost:	**$5,125**		
Carryover			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 107 Field element(s)			

2018 SHOPP Project List
San Luis Obispo

($1,000)

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

San Luis Obispo County

R/W:	$2,766	PA&ED:	$7,834
Const:	$50,330	PS&E:	$16,231
		R/W Sup:	$3,846
		Con Sup:	$17,197
Subtotal:	$53,096		$45,108
Total (Capital + Support):			**$98,204**

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
MAJOR DAMAGE RESTORATION									
04-San Mateo-1 1.1 1450H 0416000105	Near Half Moon Bay, at 1.1 miles north of Santa Cruz County line. Repair slope washout by constructing a soldier pile wall and upgrading the drainage system.	0K570 2021-22	R/W: Const:	$2 $990	PA&ED: PS&E: R/W Sup: Con Sup:	$300 $400 $70 $500	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	12/1/2019 5/1/2021 7/1/2021 11/1/2021
			Subtotal:	$992		$1,270			
			Total Project Cost:			**$2,262**			
New			**Program Code**		201.131 Permanent Restoration				
			Performance Measure		1 Location(s)				
04-San Mateo-82 19.8 1450J 0416000124	In South San Francisco, at 0.1 mile north of Francisco Drive. Permanent embankment restoration by installing retaining wall and drainage improvements.	0K670 2020-21	R/W: Const:	$10 $1,590	PA&ED: PS&E: R/W Sup: Con Sup:	$500 $710 $60 $800	Prior 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	9/7/2018 6/4/2020 12/31/2020 8/26/2021
			Subtotal:	$1,600		$2,070			
			Total Project Cost:			**$3,670**			
Carryover			**Program Code**		201.131 Permanent Restoration				
			Performance Measure		1 Location(s)				
04-San Mateo-280 R20.3/R20.6 1499H 0415000252	In San Bruno, from Jenevein Avenue to 0.1 mile south of San Bruno Avenue. Reconstruct failed concrete ditch and place Rock Slope Protection (RSP) at slope washouts as storm damage permanent restoration.	4J080 2019-20	R/W: Const:	$168 $1,093	PA&ED: PS&E: R/W Sup: Con Sup:	$390 $650 $78 $390	18-19 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2018 4/1/2020 6/1/2020 11/1/2020
			Subtotal:	$1,261		$1,508			
			Total Project Cost:			**$2,769**			
New			**Program Code**		201.131 Permanent Restoration				
			Performance Measure		1 Location(s)				
COLLISION REDUCTION									
04-San Mateo-82 13.7 0686 0400002011	Near Burlingame and Hillsborough city limits, at the intersection of Route 82 and Floribunda Avenue. Install left turn signal.	1G020 2019-20	R/W: Const:	$1,765 $2,610	PA&ED: PS&E: R/W Sup: Con Sup:	$2,900 $1,300 $450 $700	Prior 19-20 19-20 19-20	PA&ED: R/W Cert: RTL: Begin Con:	5/15/2019 6/7/2020 6/15/2020 1/15/2021
			Subtotal:	$4,375		$5,350			
			Total Project Cost:			**$9,725**			
Carryover			**Program Code**		201.010 Safety Improvements				
			Performance Measure		120 Collision(s) reduced				

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
04-San Mateo-Var 1491J 0416000033	In and near various cities, on Routes 1, 35, 82, 84, 92, 101, 109, 114, 280, and 380 at various locations. Enhance pedestrian safety by upgrading signals with Accessible Pedestrian Signals (APS) audible indicators, pushbuttons, and countdown timers, and upgrading crosswalk markings.	0K070 2021-22	R/W: $57 Const: $5,832 Subtotal: $5,889	PA&ED: $1,250 PS&E: $1,250 R/W Sup: $175 Con Sup: $1,250 $3,925	18-19 19-20 19-20 21-22	PA&ED: 4/1/2020 R/W Cert: 12/1/2021 RTL: 2/1/2022 Begin Con: 6/1/2022
New			**Total Project Cost:**	**$9,814**		
			Program Code	201.015 Collision Severity Reduction		
			Performance Measure	63 Collision(s) reduced		
04-San Mateo-280 R0.2/R3.4 0481J 0414000024	In and near Woodside, at various locations (also Santa Clara County PM 20.4); also in the City and County of San Francisco on Route 101 at San Bruno Avenue off-ramp (PM 1.7). Construct maintenance worker safety improvements.	0J670 2018-19	R/W: $10 Const: $5,286 Subtotal: $5,296	PA&ED: $440 PS&E: $880 R/W Sup: $40 Con Sup: $770 $2,130	Prior Prior Prior 18-19	PA&ED: 10/31/2017 R/W Cert: 12/18/2018 RTL: 1/30/2019 Begin Con: 7/1/2019
Carryover			**Total Project Cost:**	**$7,426**		
			Program Code	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	61 Location(s)		
MANDATES						
04-San Mateo-280 7.0/7.7 1487G 0414000030	Near Redwood City, north of Edgewood Road; also on Route 84, from Hildebrand Road to north of La Honda Creek Bridge (PM 9.4/10.0). Stabilize soil and erosion control to mitigate for storm water quality.	0J720 2019-20	R/W: $204 Const: $2,008 Subtotal: $2,212	PA&ED: $874 PS&E: $763 R/W Sup: $77 Con Sup: $564 $2,278	Prior 18-19 18-19 19-20	PA&ED: 7/30/2018 R/W Cert: 9/1/2019 RTL: 10/1/2019 Begin Con: 4/1/2020
Carryover			**Total Project Cost:**	**$4,490**		
			Program Code	201.335 Storm Water Mitigation		
			Performance Measure	7.8 Acre(s) treated/pollutant		
BRIDGE PRESERVATION						
04-San Mateo-1 14.0 1494G 0416000029	Near Pescadero, at Pescadero Creek Bridge No. 35-0028. Upgrade bridge rails and repair approach slabs.	4J870 2021-22	R/W: $260 Const: $4,434 Subtotal: $4,694	PA&ED: $1,200 PS&E: $1,000 R/W Sup: $8 Con Sup: $1,200 $3,408	18-19 20-21 20-21 21-22	PA&ED: 11/1/2020 R/W Cert: 4/1/2022 RTL: 5/1/2022 Begin Con: 12/15/2022
New			**Total Project Cost:**	**$8,102**		
			Program Code	201.110 Bridge Major Rehabilitation		
			Performance Measure	1 Bridge(s)		

2018 SHOPP Project List
San Mateo
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
04-San Mateo-101 7.1 1483C 0415000004	In Redwood City, at Cordilleras Creek Bridge No. 35-0019. Replace bridge to restore structural integrity.	2J730 2021-22	R/W: Const:	$4,285 $26,570	PA&ED: PS&E: R/W Sup: Con Sup:	$4,500 $4,500 $1,125 $7,500	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	10/2/2020 6/30/2022 6/30/2022 1/11/2023
			Subtotal:	$30,855		$17,625			
			Total Project Cost:			**$48,480**			
New			**Program Code**	201.110 Bridge Major Rehabilitation					
			Performance Measure	1 Bridge(s)					
04-San Mateo-101 0.1/23.4 1485K 0415000010	In East Palo Alto, Redwood City, Belmont, Burlingame, Millbrae, South San Francisco, and Brisbane, from University Avenue Overcrossing to Sierra Point offramp separation. Upgrade bridge rails at eight structures.	2J740 2021-22	R/W: Const:	$64 $7,748	PA&ED: PS&E: R/W Sup: Con Sup:	$1,326 $1,586 $130 $1,456	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2020 2/1/2021 3/1/2022 9/1/2022
			Subtotal:	$7,812		$4,498			
			Total Project Cost:			**$12,310**			
New			**Program Code**	201.112 Bridge Rail Replacement and Upgrade					
			Performance Measure	3706.0 Linear feet					
04-San Mateo-280 R0.0/R21.0 1498G 0416000028	In and near Menlo Park and San Bruno, from Alpine Road to Route 380 at Alpine Road Undercrossing No. 35-0009L/R (PM R0.05), Sand Hill Road Overcrossing (OC) (South) No. 35-0007 (PM R1.56), Sand Hill Road OC (North) No. 35-0008 (PM R1.62), and Route 280/380 Separation No. 35-0217L/R (PM R20.97). Structure seismic retrofit.	4J850 2021-22	R/W: Const:	$262 $7,470	PA&ED: PS&E: R/W Sup: Con Sup:	$600 $1,000 $100 $1,000	Prior 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2020 5/1/2022 4/1/2022 10/1/2022
			Subtotal:	$7,732		$2,700			
			Total Project Cost:			**$10,432**			
Carryover			**Program Code**	201.113 Bridge Seismic Restoration					
			Performance Measure	6 Bridge(s)					
04-San Mateo-1 28.9 1483M 0415000014	In Half Moon Bay, at the Pilarcitos Creek Bridge No. 35-0139L/R; also on Route 84 at San Gregorio Creek Bridge No. 35-0166 (PM 7.55). Retrofit scour critical bridges to preserve the structural integrity of the bridges by reinforcing with Rock Slope Protection (RSP).	2J790 2021-22	R/W: Const:	$343 $1,936	PA&ED: PS&E: R/W Sup: Con Sup:	$1,250 $1,040 $260 $1,300	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2020 2/1/2022 4/1/2022 11/1/2022
			Subtotal:	$2,279		$3,850			
			Total Project Cost:			**$6,129**			
New			**Program Code**	201.119 Bridge Preventative Maintenance					
			Performance Measure	3 Bridge(s)					

2018 SHOPP Project List
San Mateo
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
04-San Mateo-1 0.0/10.6 0622B 0414000094	Near Pescadero, from Santa Cruz County line to south of Bean Hollow Road. Pavement rehabilitation.	0C930 2019-20	R/W: $10 Const: $11,671	PA&ED: $1,403 PS&E: $1,081 R/W Sup: $46 Con Sup: $1,081	Prior 18-19 18-19 19-20	PA&ED: 7/2/2018 R/W Cert: 6/1/2019 RTL: 9/1/2019 Begin Con: 1/15/2020
			Subtotal: $11,681	$3,611		
			Total Project Cost:	**$15,292**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 21.2 Lane mile(s)			
04-San Mateo-84 21.5/25.7 1497A 0416000138	In and near Woodside and Redwood City, from Route 280 to Route 101. Rehabilitate pavement, make curb ramps and sidewalks Americans with Disabilities Act (ADA) compliant, and upgrade guardrails to make standard.	0K780 2021-22	R/W: $566 Const: $18,225	PA&ED: $2,340 PS&E: $2,860 R/W Sup: $39 Con Sup: $3,120	18-19 19-20 19-20 21-22	PA&ED: 6/1/2020 R/W Cert: 3/1/2022 RTL: 4/1/2022 Begin Con: 11/1/2022
			Subtotal: $18,791	$8,359		
			Total Project Cost:	**$27,150**		
New			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 16.5 Lane mile(s)			
04-San Mateo-101 16.5/23.0 1487J 0415000080	In the cities of Burlingame, Millbrae, San Bruno and South San Francisco, from Broadway to Oyster Point Boulevard. Pavement rehabilitation.	3J060 2019-20	R/W: $100 Const: $16,500	PA&ED: $1,056 PS&E: $1,342 R/W Sup: $132 Con Sup: $1,628	Prior Prior Prior 19-20	PA&ED: 4/2/2018 R/W Cert: 10/15/2019 RTL: 11/1/2019 Begin Con: 4/29/2020
			Subtotal: $16,600	$4,158		
			Total Project Cost:	**$20,758**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 58.6 Lane mile(s)			
04-San Mateo-280 6.7/10.5 0732J 0412000161	Near Redwood City, San Carlos and Belmont, from Edgewood Road to Route 92 and near Hillsborough at PM R12.7; also in Santa Clara County in and near Mountain View and Palo Alto, at various spot locations (PM 11.6, 12.8, 12.9, 18.8). Replace failing culverts and restore damaged slopes, pavement, and bridge approaches at six locations.	2A970 2021-22	R/W: $13 Const: $16,404	PA&ED: $1,800 PS&E: $2,000 R/W Sup: $260 Con Sup: $3,000	18-19 19-20 19-20 21-22	PA&ED: 2/1/2020 R/W Cert: 10/1/2021 RTL: 11/1/2021 Begin Con: 5/1/2022
			Subtotal: $16,417	$7,060		
			Total Project Cost:	**$23,477**		
New			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 28 Culvert(s) (ea)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MOBILITY						
04-San Mateo-1 26.4/R47.3 1452A 0417000040	In and near the cities of Half Moon Bay, Pacifica and Daly City, from south of Miramontes Point Road to Clarinada Avenue Undercrossing, at various locations. Install Bluetooth Detection Systems and Variable Message Signs (VMS), enable two existing Changeable Message Signs (CMS), modify Advanced Transportation Management System (ATMS), and construct Maintenance Vehicle Pullouts (MVPs) to improve the system performance.	2K880 2021-22	R/W: $36 Const: $2,408	PA&ED: $430 PS&E: $444 R/W Sup: $30 Con Sup: $444	18-19 19-20 20-21 21-22	PA&ED: 4/1/2020 R/W Cert: 8/1/2021 RTL: 9/1/2021 Begin Con: 1/15/2022
			Subtotal: $2,444	$1,348		
			Total Project Cost:	**$3,792**		
New			**Program Code** 201.315 Transportation Management Systems **Performance Measure** 13 Field element(s)			

San Mateo County

R/W:	$8,155	PA&ED:	$22,559
Const:	$132,775	PS&E:	$22,806
		R/W Sup:	$3,080
		Con Sup:	$26,703
Subtotal:	$140,930		$75,148
Total (Capital + Support):			**$216,078**

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
05-Santa Barbara-Var 2628 0516000006	In Santa Barbara, San Luis Obispo, Monterey, and Santa Cruz Counties on Routes 1, 101, 129, 135, 156, and 246 at various locations. Install Accessible Pedestrian Signals (APS) push buttons, Countdown Pedestrian Signals (CPS) heads, pedestrian barricades, and crosswalk signage to improve pedestrian and bicycle safety.	1G960 2020-21	R/W: $16 Const: $2,232 Subtotal: $2,248	PA&ED: $879 PS&E: $940 R/W Sup: $71 Con Sup: $746 $2,636	18-19 18-19 18-19 20-21	PA&ED: 4/2/2019 R/W Cert: 2/1/2021 RTL: 2/1/2021 Begin Con: 9/15/2021
New			**Total Project Cost:**	**$4,884**		
			Program Code	201.015 Collision Severity Reduction		
			Performance Measure	32 Collision(s) reduced		
05-Santa Barbara-Var 2594 0514000138	In Santa Barbara and San Luis Obispo Counties, on various routes at various locations. Replace and install advance curve warning signs.	1G300 2018-19	R/W: $48 Const: $2,084 Subtotal: $2,132	PA&ED: $780 PS&E: $1,125 R/W Sup: $41 Con Sup: $629 $2,575	Prior 18-19 18-19 18-19	PA&ED: 7/9/2018 R/W Cert: 2/28/2019 RTL: 6/10/2019 Begin Con: 11/27/2019
Carryover			**Total Project Cost:**	**$4,707**		
			Program Code	201.015 Collision Severity Reduction		
			Performance Measure	1277 Collision(s) reduced		
05-Santa Barbara-101 46.5/68.9 2460 0513000023	In and near Buellton, from Gaviota State Park Entrance to north of Alisos Canyon Road. Roadside safety improvements.	1E000 2019-20	R/W: $7 Const: $2,578 Subtotal: $2,585	PA&ED: $520 PS&E: $840 R/W Sup: $34 Con Sup: $698 $2,092	Prior Prior Prior 19-20	PA&ED: 10/5/2017 R/W Cert: 10/7/2019 RTL: 2/3/2020 Begin Con: 7/1/2020
Carryover			**Total Project Cost:**	**$4,677**		
			Program Code	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	54 Location(s)		
05-Santa Barbara-101 46.9 2462 0513000024	Near Gaviota, at the Gaviota Safety Roadside Rest Area (SRRA). Upgrade wastewater system.	1E010 2018-19	R/W: $5 Const: $2,800 Subtotal: $2,805	PA&ED: $240 PS&E: $1,060 R/W Sup: $10 Con Sup: $1,180 $2,490	Prior Prior Prior 18-19	PA&ED: 2/22/2016 R/W Cert: 10/1/2018 RTL: 2/1/2019 Begin Con: 9/3/2019
Carryover			**Total Project Cost:**	**$5,295**		
			Program Code	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	2 Location(s)		

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
05-Santa Barbara-101 68.7/91.0 2699 0517000001	In Santa Barbara and San Luis Obispo (PM 0.0/8.4) Counties, from Alisos Canyon Road to Los Berros Road at various locations. Roadside safety improvements.	1H850 2020-21	R/W: Const:	$25 $2,142	PA&ED: PS&E: R/W Sup: Con Sup:	$714 $1,123 $35 $1,003	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	10/24/2019 10/15/2020 2/19/2021 9/30/2021
			Subtotal:	$2,167		$2,875			
			Total Project Cost:			**$5,042**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		66	Location(s)			

MANDATES

05-Santa Barbara-101 11.0 2468 0513000027	In the city of Santa Barbara, at Butterfly Lane Pedestrian Undercrossing. Construct pedestrian ramps and sidewalks to comply with Americans with Disabilities Act (ADA) Standards.	1E040 2019-20	R/W: Const:	$970 $2,904	PA&ED: PS&E: R/W Sup: Con Sup:	$70 $1,875 $303 $1,136	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	11/1/2016 12/26/2019 4/22/2020 11/24/2020
			Subtotal:	$3,874		$3,384			
			Total Project Cost:			**$7,258**			
Carryover			**Program Code**		201.361	Americans with Disabilities Act New Curb Ramps			
			Performance Measure		2	Curb ramp(s)			

BRIDGE PRESERVATION

05-Santa Barbara-101 21.6 2649 0516000073	In Goleta, at San Jose Creek Bridge No. 51 -0163L/R. Replace bridges to maintain standards of safety and reliability.	1H430 2021-22	R/W: Const:	$40 $9,240	PA&ED: PS&E: R/W Sup: Con Sup:	$1,400 $2,730 $70 $3,480	Prior 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	4/20/2020 7/1/2021 10/1/2021 6/15/2022
			Subtotal:	$9,280		$7,680			
			Total Project Cost:			**$16,960**			
Carryover			**Program Code**		201.110	Bridge Major Rehabilitation			
			Performance Measure		2	Bridge(s)			
05-Santa Barbara-101 70.9 2522 0514000003	In Los Alamos, at Route 101/135 Separation No. 51-0073L/R. Replace bridge decks.	1F500 2019-20	R/W: Const:	$100 $7,000	PA&ED: PS&E: R/W Sup: Con Sup:	$650 $1,800 $250 $2,100	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	12/1/2017 7/15/2019 8/15/2019 3/16/2020
			Subtotal:	$7,100		$4,800			
			Total Project Cost:			**$11,900**			
Carryover			**Program Code**		201.110	Bridge Major Rehabilitation			
			Performance Measure		2	Bridge(s)			

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($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
05-Santa Barbara-154 22.9/23.2 2392 0512000141	Near Lake Cachuma, at Cold Spring Canyon Bridge No. 51-0037. Install inspection access system below bridge and paint structure.	1C420 2020-21	R/W: $50 Const: $19,000	PA&ED: $1,100 PS&E: $1,500 R/W Sup: $75 Con Sup: $1,500	Prior 19-20 19-20 20-21	PA&ED: 7/15/2019 R/W Cert: 12/15/2020 RTL: 4/15/2021 Begin Con: 11/1/2021
			Subtotal: $19,050	$4,175		
			Total Project Cost:	**$23,225**		
New			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
05-Santa Barbara-154 R31.8/R32.1 2651 0516000075	In the city of Santa Barabara, at La Colina Road Undercrossing (UC) No. 51-0256 (PM R31.82) and at Primavera Road UC No. 51-0257 (PM R32.07). Upgrade bridge railing and reconstruct abutment for bridge rehabilitation.	1H450 2021-22	R/W: $3 Const: $6,416	PA&ED: $928 PS&E: $2,135 R/W Sup: $52 Con Sup: $2,186	Prior 19-20 19-20 21-22	PA&ED: 12/20/2019 R/W Cert: 4/15/2021 RTL: 7/30/2021 Begin Con: 1/5/2022
			Subtotal: $6,419	$5,301		
			Total Project Cost:	**$11,720**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 2 Bridge(s)			
05-Santa Barbara-217 0.8/1.4 2386 0512000134	Near Goleta, from 0.2 mile south to 0.4 mile north of San Jose Creek Bridge No. 51-0217. Replace bridge.	1C360 2021-22	R/W: $158 Const: $18,600	PA&ED: $3,887 PS&E: $3,459 R/W Sup: $156 Con Sup: $4,550	Prior 19-20 Prior 21-22	PA&ED: 6/20/2019 R/W Cert: 8/18/2021 RTL: 10/19/2021 Begin Con: 4/1/2022
			Subtotal: $18,758	$12,052		
			Total Project Cost:	**$30,810**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
05-Santa Barbara-1 M33.1 2563 0514000063	Near Lompoc, at San Antonio Creek Bridge No. 51-0237L/R. Bridge scour mitigation.	1F810 2021-22	R/W: $83 Const: $1,241	PA&ED: $688 PS&E: $1,692 R/W Sup: $99 Con Sup: $1,029	Prior 19-20 19-20 21-22	PA&ED: 7/5/2019 R/W Cert: 2/4/2021 RTL: 7/7/2021 Begin Con: 1/4/2022
			Subtotal: $1,324	$3,508		
			Total Project Cost:	**$4,832**		
New			**Program Code** 201.111 Bridge Scour Mitigation **Performance Measure** 2 Bridge(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
05-Santa Barbara-192 15.4/15.6 0335 0500000514	Near Carpinteria, at Arroyo Parida Creek Bridge No. 51-113. Replace bridge (scour).	39610 2019-20	R/W: Const:	$905 $6,845	PA&ED: PS&E: R/W Sup: Con Sup:	$960 $4,266 $692 $1,310	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	6/29/2009 9/3/2019 1/21/2020 8/7/2020
			Subtotal:	$7,750		$7,228			
			Total Project Cost:			**$14,978**			
Carryover			**Program Code**	201.111 Bridge Scour Mitigation					
			Performance Measure	1 Bridge(s)					
05-Santa Barbara-101 56.0 2561 0514000061	Near Buellton, at Nojoqui Creek Bridge No. 51 -0018L/R. Bridge rail replacement and widening.	1F790 2019-20	R/W: Const:	$99 $5,304	PA&ED: PS&E: R/W Sup: Con Sup:	$910 $1,789 $211 $1,218	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	8/29/2018 11/1/2019 1/29/2020 7/15/2020
			Subtotal:	$5,403		$4,128			
			Total Project Cost:			**$9,531**			
Carryover			**Program Code**	201.112 Bridge Rail Replacement and Upgrade					
			Performance Measure	773.0 Linear feet					
05-Santa Barbara-135 R7.2 2567 0514000065	Near Los Alamos, at San Antonio Creek Bridge No. 51-0006. Bridge seismic restoration.	1F830 2019-20	R/W: Const:	$132 $1,978	PA&ED: PS&E: R/W Sup: Con Sup:	$676 $1,228 $23 $640	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2018 9/1/2019 3/9/2020 9/17/2020
			Subtotal:	$2,110		$2,567			
			Total Project Cost:			**$4,677**			
Carryover			**Program Code**	201.113 Bridge Seismic Restoration					
			Performance Measure	1 Bridge(s)					
05-Santa Barbara-154 R2.6 2391 0512000139	Near Los Olivos, at Alamo Pintado Pedestrian Bridge No. 51-0076Y. Remove bridge.	1C410 2019-20	R/W: Const:	$56 $922	PA&ED: PS&E: R/W Sup: Con Sup:	$1,125 $1,055 $50 $350	Prior 18-19 Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	12/3/2018 10/15/2019 4/8/2020 10/6/2020
			Subtotal:	$978		$2,580			
			Total Project Cost:			**$3,558**			
Carryover			**Program Code**	201.119 Bridge Preventative Maintenance					
			Performance Measure	1 Bridge(s)					

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
05-Santa Barbara-101 2.6/9.2 2426 0512000236	In Carpinteria, from Casitas Pass Overcrossing to 0.2 miles north of Sheffield Avenue Undercrossing. Rehabilitate roadway. (G13 Contingency)	1C820 2019-20	R/W: $5,560 * Const: $119,100 Subtotal: $124,660	PA&ED: $9,200 PS&E: $9,530 R/W Sup: $940 * Con Sup: $30,800 $50,470 **Total Project Cost: $175,130**	Prior Prior Prior 19-20	PA&ED: 11/27/2017 R/W Cert: 2/5/2019 RTL: 7/1/2019 Begin Con: 10/29/2019
Carryover			**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 26.4 Lane mile(s)			
05-Santa Barbara-1 R36.4/49.2 2586 0514000110	Near Santa Maria, from Solomon Road to Route 166. Pavement rehabilitation.	1G130 2019-20	R/W: $795 Const: $9,583 Subtotal: $10,378	PA&ED: $515 PS&E: $916 R/W Sup: $104 Con Sup: $905 $2,440 **Total Project Cost: $12,818**	Prior 18-19 18-19 19-20	PA&ED: 7/2/2018 R/W Cert: 8/1/2019 RTL: 11/1/2019 Begin Con: 5/21/2020
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 18.6 Lane mile(s)			
05-Santa Barbara-101 46.2/R52.3 2700 0517000002	Near Gaviota, from 1.0 mile south of Gaviota Gorge Tunnel to 0.1 mile north of Nojoqui Creek Bridge. Upgrade guard railing, widen shoulders, place High Friction Surface Treatment (HSFT), construct retaining walls, cold plane pavement, place Hot Mix Asphalt (HMA) and Rubberized Hot Mix Asphalt (RHMA) pavement. (G13 Contingency)	1H860 2021-22	R/W: $21 * Const: $59,218 Subtotal: $59,239	PA&ED: $2,160 PS&E: $2,648 R/W Sup: $74 * Con Sup: $5,026 $9,908 **Total Project Cost: $69,147** ** Construction Capital and * Construction Support phase are NOT authorized*	Prior 19-20 19-20 21-22	PA&ED: 12/2/2019 R/W Cert: 5/21/2021 RTL: 9/22/2021 Begin Con: 5/2/2022
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 27.8 Lane mile(s)			
05-Santa Barbara-135 11.7/17.8 2629 0516000008	In and near Santa Maria, from Lakeview Road to Route 101. Upgrade Americans with Disabilities Act (ADA) curb ramps, cold plane pavement, and place Rubberized Hot Mix Asphalt (RHMA) pavement.	1G970 2020-21	R/W: $378 Const: $14,372 Subtotal: $14,750	PA&ED: PS&E: $1,869 R/W Sup: $1,832 Con Sup: $2,396 $6,097 **Total Project Cost: $20,847**	Prior Prior 20-21	PA&ED: 6/16/2017 R/W Cert: 9/30/2020 RTL: 11/19/2020 Begin Con: 5/24/2021
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 24.4 Lane mile(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
05-Santa Barbara-246 2632 0516000012	In Lompoc, at combined segment of Route 246 and Route 1, on Route 246, from 0.3 mile west of V Street to H Street; also on Route 1, from H Street to 12th Street. Upgrade Americans with Disabilities Act (ADA) curb ramps, cold plane pavement and place Hot Mix Asphalt (HMA) pavement.	1H010 2021-22	R/W: $350 Const: $6,900	PA&ED: PS&E: $3,630 R/W Sup: $2,460 Con Sup: $1,750	 Prior Prior 21-22	PA&ED: 4/24/2017 R/W Cert: 12/10/2021 RTL: 12/15/2021 Begin Con: 7/27/2022
			Subtotal: $7,250	$7,840		
			Total Project Cost:	**$15,090**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 9.0 Lane mile(s)			
05-Santa Barbara-101 45.5 3330 0512000068	Near Gaviota State Park. Rehabilitate and upgrade existing drainage system.	0K330 2019-20	R/W: $146 Const: $3,600	PA&ED: $780 PS&E: $1,430 R/W Sup: $245 Con Sup: $1,111	Prior 18-19 18-19 19-20	PA&ED: 8/27/2018 R/W Cert: 6/15/2020 RTL: 6/15/2020 Begin Con: 12/4/2020
			Subtotal: $3,746	$3,566		
			Total Project Cost:	**$7,312**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 2 Culvert(s) (ea)			
MOBILITY						
05-Santa Barbara-154 R5.8/R6.1 2674 0516000060	In Santa Ynez, from 0.2 mile east to 0.1 mile west of Edison Street/Baseline Avenue. Construct a roundabout to improve operations and safety.	1H310 2021-22	R/W: $888 Const: $6,827	PA&ED: $793 PS&E: $1,440 R/W Sup: $418 Con Sup: $1,614	18-19 20-21 20-21 21-22	PA&ED: 2/13/2020 R/W Cert: 11/12/2021 RTL: 11/30/2021 Begin Con: 7/22/2022
			Subtotal: $7,715	$4,265		
			Total Project Cost:	**$11,980**		
New			**Program Code** 201.310 Operational Improvements **Performance Measure** 10 Daily vehicle hour(s) of delay (DVHD)			

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R/W:	$10,835	PA&ED:	$28,975
Const:	$310,886	PS&E:	$50,080
		R/W Sup:	$8,245
		Con Sup:	$67,357
Subtotal:	$321,721		$154,657
Total (Capital + Support):			**$476,378**

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
MAJOR DAMAGE RESTORATION									
04-Santa Clara-101 R0.8 1453B 0415000245	Near Gilroy, at Sargent Bridge and Overhead No. 39-0006L. Permanent restoration of roadway settlement and southern abutment wingwall movement.	4J030 2020-21	R/W: Const:	$87 $1,381	PA&ED: PS&E: R/W Sup: Con Sup:	$650 $780 $52 $650	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	12/1/2019 1/2/2021 2/1/2021 6/15/2021
			Subtotal:	$1,468		$2,132			
			Total Project Cost:			**$3,600**			
New			**Program Code**	201.131 Permanent Restoration					
			Performance Measure	1 Location(s)					
COLLISION REDUCTION									
04-Santa Clara-17 0.0/3.4 1453A 0416000373	Near Los Gatos, from south of Summit Road to north of Alma College Road. Install lighting, warning signs, flashing beacons, guardrail, rumble strips, wet-night visibility striping, and channelizers, and apply High Friction Surface Treatment (HFST).	2K140 2019-20	R/W: Const:	$70 $8,821	PA&ED: PS&E: R/W Sup: Con Sup:	$1,000 $1,000 $50 $1,550	Prior 18-19 19-20 19-20	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2019 6/1/2020 6/15/2020 1/25/2021
			Subtotal:	$8,891		$3,600			
			Total Project Cost:			**$12,491**			
Carryover			**Program Code**	201.010 Safety Improvements					
			Performance Measure	264 Collision(s) reduced					
04-Santa Clara-101 R9.0/R16.8 1483F 0415000022	In and near Morgan Hill, from south of Masten Avenue to East Main Avenue. Install edgeline and shoulder rumble strips, concrete barrier, and reconstruct shoulders.	2J890 2018-19	R/W: Const:	$10 $2,420	PA&ED: PS&E: R/W Sup: Con Sup:	$230 $450 $75 $675	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	5/17/2018 4/8/2019 5/6/2019 1/23/2020
			Subtotal:	$2,430		$1,430			
			Total Project Cost:			**$3,860**			
Carryover			**Program Code**	201.010 Safety Improvements					
			Performance Measure	85 Collision(s) reduced					
04-Santa Clara-152 21.8/R35.2 0480K 0414000067	Near Gilroy, from east of Dunne Street/San Felipe Road to the Merced County line. Place median barrier.	0J800 2019-20	R/W: Const:	$60 $10,984	PA&ED: PS&E: R/W Sup: Con Sup:	$1,800 $1,227 $65 $1,766	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	12/3/2018 5/8/2020 5/15/2020 3/1/2021
			Subtotal:	$11,044		$4,858			
			Total Project Cost:			**$15,902**			
Carryover			**Program Code**	201.010 Safety Improvements					
			Performance Measure	79 Collision(s) reduced					

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
04-Santa Clara-280 11.3 1488N 0415000184	In Cupertino, at northbound offramp to Foothill Expressway. Upgrade traffic signal system for right-turn movement.	3J710 2019-20	R/W: $180 Const: $982	PA&ED: $432 PS&E: $285 R/W Sup: $45 Con Sup: $285	Prior 18-19 18-19 19-20	PA&ED: 12/31/2018 R/W Cert: 3/31/2020 RTL: 4/30/2020 Begin Con: 10/30/2020
			Subtotal: $1,162	$1,047		
			Total Project Cost:	**$2,209**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 20 Collision(s) reduced			
04-Santa Clara-Var 1492E 0416000049	On various routes, in various cities, at various locations. Replace pedestrian push-buttons and signal heads with Accessible Pedestrian Signals (APS) and countdown timers and refresh crosswalk markings to enhance pedestrian safety.	0K080 2021-22	R/W: $23 Const: $10,711	PA&ED: $939 PS&E: $1,241 R/W Sup: $36 Con Sup: $1,417	18-19 20-21 21-22 21-22	PA&ED: 7/15/2020 R/W Cert: 3/2/2022 RTL: 3/18/2022 Begin Con: 7/29/2022
			Subtotal: $10,734	$3,633		
			Total Project Cost:	**$14,367**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 30 Collision(s) reduced			
04-Santa Clara-9 1486A 0415000043	In Santa Clara County, on Routes 9, 17, 85, 87, 101, 152, 237, 280, 680, and 880 at various locations. Relocate or shield existing electrical controller cabinets and install twenty-eight new Maintenance Vehicle Pullouts (MVPs).	2J950 2021-22	R/W: $50 Const: $6,924	PA&ED: $1,300 PS&E: $1,400 R/W Sup: $45 Con Sup: $1,600	18-19 20-21 20-21 21-22	PA&ED: 11/10/2020 R/W Cert: 2/1/2022 RTL: 3/15/2022 Begin Con: 9/1/2022
			Subtotal: $6,974	$4,345		
			Total Project Cost:	**$11,319**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 66 Collision(s) reduced			
04-Santa Clara-152 11.2/R35.2 1452E 0417000025	Near Gilroy, from Llagas Creek Bridge to the Merced County line. Construct Maintenance Vehicle Pullouts (MVPs) and vegetation control under existing guardrail to improve highway worker safety.	2K800 2021-22	R/W: $10 Const: $6,590	PA&ED: $800 PS&E: $1,000 R/W Sup: $45 Con Sup: $700	18-19 19-20 19-20 20-21	PA&ED: 8/31/2020 R/W Cert: 10/29/2021 RTL: 11/30/2021 Begin Con: 6/20/2022
			Subtotal: $6,600	$2,545		
			Total Project Cost:	**$9,145**		
New			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 88 Location(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
04-Santa Clara-280 R0.0/L5.4 1492D 0416000024	In and near San Jose, from Route 101 to Route 17/880 Separation. Pave extended gore areas and narrow strips to improve highway worker safety.	4J960 2021-22	R/W: $170 Const: $3,835	PA&ED: $780 PS&E: $770 R/W Sup: $62 Con Sup: $503	18-19 19-20 21-22 21-22	PA&ED: 6/1/2020 R/W Cert: 10/1/2021 RTL: 12/1/2021 Begin Con: 9/1/2022
			Subtotal: $4,005	$2,115		
			Total Project Cost:	**$6,120**		
New			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	39	Location(s)	
04-Santa Clara-680 M0.0/M9.9 0481T 0414000023	In San Jose and Milpitas, from Route 101 to Scott Creek Road at various locations. Construct maintenance worker safety improvements.	0J660 2018-19	R/W: $10 Const: $8,814	PA&ED: $440 PS&E: $1,320 R/W Sup: $110 Con Sup: $1,320	Prior Prior Prior 18-19	PA&ED: 9/26/2017 R/W Cert: 1/8/2019 RTL: 1/15/2019 Begin Con: 7/15/2019
			Subtotal: $8,824	$3,190		
			Total Project Cost:	**$12,014**		
Carryover			**Program Code**	201.235	Roadside Safety Improvements/ Freeway Maintenance Access	
			Performance Measure	160	Location(s)	
MANDATES						
04-Santa Clara-82 18.2/26.4 1495G 0416000020	In Sunnyvale, Mountain View, Los Altos, and Palo Alto, from Knickerbocker Drive to San Mateo County line. Upgrade pedestrian facilities to make compliant with the Americans with Disabilities Act (ADA) Standards.	0K010 2021-22	R/W: $1,614 Const: $6,193	PA&ED: $1,300 PS&E: $1,600 R/W Sup: $706 Con Sup: $1,600	19-20 20-21 20-21 21-22	PA&ED: 6/1/2020 R/W Cert: 4/1/2022 RTL: 5/2/2022 Begin Con: 11/15/2022
			Subtotal: $7,807	$5,206		
			Total Project Cost:	**$13,013**		
New			**Program Code**	201.361	Americans with Disabilities Act New Curb Ramps	
			Performance Measure	14	Curb ramp(s)	
04-Santa Clara-85 18.0/24.1 0434G 0400021202	In Cupertino, Sunnyvale and Mountain View, from Stevens Creek Boulevard to Route 101; also in various cities, on Route 80 (PM 2.5/8.0), at various locations. Install and/or upgrade existing curb ramps and pedestrian facilities to Americans with Disabilities Act (ADA) Standards.	2G730 2018-19	R/W: $75 Const: $2,260	PA&ED: $442 PS&E: $663 R/W Sup: $102 Con Sup: $730	Prior Prior Prior 18-19	PA&ED: 9/26/2017 R/W Cert: 5/1/2019 RTL: 5/16/2019 Begin Con: 12/23/2019
			Subtotal: $2,335	$1,937		
			Total Project Cost:	**$4,272**		
Carryover			**Program Code**	201.361	Americans with Disabilities Act New Curb Ramps	
			Performance Measure	38	Curb ramp(s)	

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
BRIDGE PRESERVATION						
04-Santa Clara-9 4.9 0386F 0412000409	Near Saratoga, at Saratoga Creek Bridge No. 37 -0074. Replace bridge.	3G630 2019-20	R/W: $6,779 Const: $11,668	PA&ED: $2,800 PS&E: $1,400 R/W Sup: $396 Con Sup: $1,526	Prior 18-19 18-19 19-20	PA&ED: 6/15/2018 R/W Cert: 4/15/2020 RTL: 5/6/2020 Begin Con: 10/19/2020
			Subtotal: $18,447	$6,122		
			Total Project Cost:	**$24,569**		
Carryover			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
04-Santa Clara-101 0481H 0414000013	In various cities, on Routes 101 and 237 at various locations. Bridge rail upgrade at eight locations.	0J560 2019-20	R/W: $30 Const: $10,711	PA&ED: $1,800 PS&E: $2,250 R/W Sup: $30 Con Sup: $2,700	Prior 18-19 18-19 19-20	PA&ED: 9/14/2018 R/W Cert: 3/16/2020 RTL: 6/15/2020 Begin Con: 12/21/2020
			Subtotal: $10,741	$6,780		
			Total Project Cost:	**$17,521**		
Carryover			**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 5956.0 Linear feet			
04-Santa Clara-280 R2.9/17.8 1483K 0415000338	In San Jose, at Bird Avenue Overcrossing Bridge No. 37-0267 (PM R2.78); also in Los Altos Hills at Arastradero Road Undercrossing Bridge No. 37-0251 L/R (PM 17.8). Bridge seismic restoration.	2J750 2018-19	R/W: $90 Const: $2,414	PA&ED: $1,144 PS&E: $1,034 R/W Sup: $66 Con Sup: $550	Prior Prior Prior 18-19	PA&ED: 2/27/2018 R/W Cert: 3/1/2019 RTL: 3/15/2019 Begin Con: 10/28/2019
			Subtotal: $2,504	$2,794		
			Total Project Cost:	**$5,298**		
Carryover			**Program Code** 201.113 Bridge Seismic Restoration **Performance Measure** 3 Bridge(s)			
04-Santa Clara-Var 1482R 0415000017	In various cities, on various routes at Saratoga Creek Bridge, Carnadero Creek Bridge, San Francisco Creek Bridge, San Tomas Aquino Creek Bridge, and Bodfish Creek Bridge. Bridge preventative maintenance.	2J780 2019-20	R/W: $10 Const: $2,391	PA&ED: $900 PS&E: $750 R/W Sup: $44 Con Sup: $600	Prior 18-19 18-19 19-20	PA&ED: 10/1/2018 R/W Cert: 5/1/2020 RTL: 6/1/2020 Begin Con: 12/22/2020
			Subtotal: $2,401	$2,294		
			Total Project Cost:	**$4,695**		
Carryover			**Program Code** 201.119 Bridge Preventative Maintenance **Performance Measure** 5 Bridge(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
04-Santa Clara-17 2.8/13.9 1480B 0414000404	In and near Los Gatos, Campbell and San Jose, from Hebard Way to Route 280. Pavement rehabilitation.	1J970 2019-20	R/W: $20 Const: $30,141	PA&ED: $1,750 PS&E: $2,750 R/W Sup: $150 Con Sup: $3,150	Prior 18-19 18-19 19-20	PA&ED: 7/2/2018 R/W Cert: 1/17/2020 RTL: 1/27/2020 Begin Con: 7/15/2020
			Subtotal: $30,161	$7,800		
			Total Project Cost:	**$37,961**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 50.0 Lane mile(s)			
04-Santa Clara-82 9.8/R10.4 1490Q 0417000520	In the cities of San Jose and Santa Clara, from McKendrie Street to El Camino Real. Pavement rehabilitation, Americans with Disabilities Act (ADA) upgrades, and installation of High-intensity Activated crossWalK (HAWK) systems.	4J282 2018-19	R/W: $180 Const: $3,711	PA&ED: PS&E: $603 R/W Sup: $180 Con Sup: $823	 18-19 18-19 18-19	PA&ED: 7/14/2017 R/W Cert: 1/15/2019 RTL: 3/1/2019 Begin Con: 9/11/2019
			Subtotal: $3,891	$1,606		
			Total Project Cost:	**$5,497**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 3.4 Lane mile(s)			
04-Santa Clara-82 19.2/26.4 1498F 0416000023	In Mountain View, Los Altos, and Palo Alto, from 0.05 mile north of Route 237 to Sand Hill Road. Pavement rehabilitation.	4J890 2021-22	R/W: $360 Const: $22,885	PA&ED: $888 PS&E: $1,974 R/W Sup: $99 Con Sup: $1,974	19-20 20-21 20-21 21-22	PA&ED: 3/3/2020 R/W Cert: 7/6/2021 RTL: 8/11/2021 Begin Con: 11/30/2021
			Subtotal: $23,245	$4,935		
			Total Project Cost:	**$28,180**		
New			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 43.0 Lane mile(s)			
04-Santa Clara-152 7.6/M10.2 1452D 0417000019	In Gilroy, from 0.3 miles west of Santa Teresa Boulevard to Route 101. Rehabilitate pavement.	2K750 2019-20	R/W: $125 Const: $14,165	PA&ED: $1,400 PS&E: $1,600 R/W Sup: $58 Con Sup: $1,800	Prior Prior Prior 19-20	PA&ED: 6/15/2018 R/W Cert: 12/5/2018 RTL: 12/19/2018 Begin Con: 6/14/2019
			Subtotal: $14,290	$4,858		
			Total Project Cost:	**$19,148**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 7.9 Lane mile(s)			

2018 SHOPP Project List
Santa Clara
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
04-Santa Clara-280 11.5/20.6 0449A 0415000131	In and near Los Altos, Los Altos Hills, and Palo Alto, from Foothill Boulevard to north of Sand Hill Road (also in San Mateo County (PM R0.0/R2.1). Pavement rehabilitation.	3J320 2018-19	R/W: $50 Const: $47,574	PA&ED: $1,853 PS&E: $3,284 R/W Sup: $48 Con Sup: $6,661	Prior Prior Prior 18-19	PA&ED: 12/1/2017 R/W Cert: 4/1/2019 RTL: 5/1/2019 Begin Con: 10/8/2019
			Subtotal: $47,624	$11,846		
			Total Project Cost:	**$59,470**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 90.0 Lane mile(s)			
04-Santa Clara-87 0.0/6.1 1492C 0416000010	In San Jose, from Route 85 to West Julian Street. Roadway rehabilitation.	4J910 2021-22	R/W: $304 Const: $55,263	PA&ED: $2,767 PS&E: $4,425 R/W Sup: $50 Con Sup: $6,581	Prior 20-21 20-21 21-22	PA&ED: 10/1/2020 R/W Cert: 4/1/2022 RTL: 6/30/2022 Begin Con: 2/1/2023
			Subtotal: $55,567	$13,823		
			Total Project Cost:	**$69,390**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 29.5 Lane mile(s)			
MOBILITY						
04-Santa Clara-237 7.0/8.0 1492A 0416000060	In San Jose, in the eastbound direction from North First Street to Zanker Road. Construct auxiliary lane.	0K240 2021-22	R/W: $255 Const: $8,030	PA&ED: $3,120 PS&E: $2,080 R/W Sup: $130 Con Sup: $1,560	18-19 19-20 19-20 21-22	PA&ED: 6/1/2020 R/W Cert: 1/2/2022 RTL: 2/1/2022 Begin Con: 6/15/2022
			Subtotal: $8,285	$6,890		
			Total Project Cost:	**$15,175**		
New			**Program Code** 201.310 Operational Improvements **Performance Measure** 521 Daily vehicle hour(s) of delay (DVHD)			
04-Santa Clara-237 7.0/8.0 1492B 0416000061	In San Jose, in the westbound direction from Zanker Road to North First Street. Construct auxiliary lane.	0K250 2021-22	R/W: $57,823 Const: $13,819	PA&ED: $3,120 PS&E: $2,080 R/W Sup: $481 Con Sup: $1,750	Prior 20-21 20-21 21-22	PA&ED: 8/3/2020 R/W Cert: 5/2/2022 RTL: 6/1/2022 Begin Con: 2/1/2023
			Subtotal: $71,642	$7,431		
			Total Project Cost:	**$79,073**		
Carryover			**Program Code** 201.310 Operational Improvements **Performance Measure** 332 Daily vehicle hour(s) of delay (DVHD)			

2018 SHOPP Project List
Santa Clara
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
ROADSIDE PRESERVATION									
04-Santa Clara-101 R26.4/46.4 2020J 0416000017	In the cities of San Jose, Santa Clara, and Sunnyvale, from Route 85 to Route 237; also on Route 85 (PM 0.0 to 1.1) and Route 237 (PM 2.2 to R4.9). Repair and modernized roadside irrigation facilities.	4J930 2020-21	R/W:	$15	PA&ED:	$375	18-19	PA&ED:	10/10/2019
			Const:	$2,009	PS&E:	$500	19-20	R/W Cert:	2/16/2021
					R/W Sup:	$63	19-20	RTL:	5/11/2021
					Con Sup:	$625	20-21	Begin Con:	9/15/2021
			Subtotal:	$2,024		$1,563			
			Total Project Cost:			**$3,587**			
			Program Code	201.210 Highway Planting Restoration					
New			**Performance Measure**	12 Acre(s)					

Santa Clara County

R/W:	$68,400	PA&ED:	$32,030
Const:	$294,696	PS&E:	$36,466
		R/W Sup:	$3,188
		Con Sup:	$43,096
Subtotal:	$363,096		$114,780
Total (Capital + Support):			**$477,876**

2018 SHOPP Project List
Santa Cruz
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
05-Santa Cruz-1 16.7/17.0 2636 0516000020	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.	1H060 2019-20	R/W: $658 Const: $5,811	PA&ED: $792 PS&E: $1,930 R/W Sup: $217 Con Sup: $1,973	Prior Prior Prior 19-20	PA&ED: 11/1/2017 R/W Cert: 8/1/2019 RTL: 11/1/2019 Begin Con: 5/1/2020
			Subtotal: $6,469	$4,912		
			Total Project Cost:	**$11,381**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 140 Collision(s) reduced			
05-Santa Cruz-129 1.4 2625 0516000010	Near Watsonville, at Lakeview Road. Construct roundabout and improve street lighting.	1G990 2019-20	R/W: $749 Const: $4,481	PA&ED: $782 PS&E: $1,341 R/W Sup: $441 Con Sup: $1,335	Prior Prior Prior 19-20	PA&ED: 11/1/2017 R/W Cert: 4/1/2020 RTL: 6/1/2020 Begin Con: 11/1/2020
			Subtotal: $5,230	$3,899		
			Total Project Cost:	**$9,129**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 46 Collision(s) reduced			
05-Santa Cruz-1 R0.0/R8.1 2452 0513000021	In Santa Cruz and Monterey Counties, from south of Salinas Road to south of Larkin Valley Road Undercrossing. Construct Maintenance Vehicle Pullouts (MVPs), repairing guardrail, improve gate access and relocate irrigation equipment.	1C980 2018-19	R/W: $5 Const: $2,900	PA&ED: $652 PS&E: $1,097 R/W Sup: $49 Con Sup: $1,225	Prior Prior Prior 18-19	PA&ED: 11/1/2017 R/W Cert: 12/31/2018 RTL: 3/26/2019 Begin Con: 11/21/2019
			Subtotal: $2,905	$3,023		
			Total Project Cost:	**$5,928**		
Carryover			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 69 Location(s)			
MANDATES						
05-Santa Cruz-9 0.1/7.5 2569 0514000075	In and near the city of Santa Cruz, from Route 1 to north of Fall Creek Drive. Stormwater improvements.	1F920 2019-20	R/W: $86 Const: $2,024	PA&ED: $745 PS&E: $1,192 R/W Sup: $1,287 Con Sup: $812	Prior Prior Prior 19-20	PA&ED: 10/4/2017 R/W Cert: 4/27/2020 RTL: 5/4/2020 Begin Con: 10/30/2020
			Subtotal: $2,110	$4,036		
			Total Project Cost:	**$6,146**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 6.3 Acre(s) treated/pollutant			

2018 SHOPP Project List
Santa Cruz
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
05-Santa Cruz-9 8.5/25.5 2627 0516000005	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.	1G950 2021-22	R/W: $271 Const: $5,361	PA&ED: $1,445 PS&E: $2,377 R/W Sup: $1,078 Con Sup: $2,025	18-19 20-21 20-21 21-22	PA&ED: 8/3/2020 R/W Cert: 3/1/2022 RTL: 3/29/2022 Begin Con: 9/7/2022
			Subtotal: $5,632	$6,925		
			Total Project Cost:	**$12,557**		
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 16 Acre(s) treated/pollutant			
05-Santa Cruz-17 0.7/1.4 1989Y 0514000145	In Santa Cruz, from 0.7 mile north of Route 1/17 Separation to Beulah Park Undercrossing. Landscape mitigation for EA 05-0Q600.	0Q601 2018-19	R/W: Const: $507	PA&ED: PS&E: $500 R/W Sup: $18 Con Sup: $537	 Prior Prior 18-19	PA&ED: 8/28/2014 R/W Cert: 4/5/2019 RTL: 6/5/2019 Begin Con: 1/22/2020
			Subtotal: $507	$1,055		
			Total Project Cost:	**$1,562**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 10 Acre(s) treated/pollutant			
05-Santa Cruz-Var 2590 0514000118	In Santa Cruz County, on Routes 1, 9, 17, 129, and 152 at various locations. Install Accessible Pedestrian Signals (APS).	1G160 2018-19	R/W: $11 Const: $1,700	PA&ED: $272 PS&E: $883 R/W Sup: $20 Con Sup: $486	Prior Prior Prior 18-19	PA&ED: 8/1/2017 R/W Cert: 11/8/2018 RTL: 1/11/2019 Begin Con: 7/15/2019
			Subtotal: $1,711	$1,661		
			Total Project Cost:	**$3,372**		
Carryover			**Program Code** 201.361 Americans with Disabilities Act New Curb Ramps **Performance Measure** 176 Curb ramp(s)			
05-Santa Cruz-152 1.9/R2.0 2530 0514000039	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 Americans with Disabilities Act (ADA) Standards.	1F620 2021-22	R/W: $247 Const: $3,205	PA&ED: $1,621 PS&E: $2,430 R/W Sup: $376 Con Sup: $1,776	18-19 20-21 20-21 21-22	PA&ED: 7/1/2020 R/W Cert: 4/1/2022 RTL: 5/2/2022 Begin Con: 10/22/2022
			Subtotal: $3,452	$6,203		
			Total Project Cost:	**$9,655**		
New			**Program Code** 201.361 Americans with Disabilities Act New Curb Ramps **Performance Measure** 5 Curb ramp(s)			

2018 SHOPP Project List
Santa Cruz
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
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: Const:	$660 $11,928	PA&ED: PS&E: R/W Sup: Con Sup:	$2,692 $2,884 $888 $4,158	Prior 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	4/10/2020 9/3/2021 10/29/2021 3/4/2022
			Subtotal:	$12,588		$10,622			
			Total Project Cost:			**$23,210**			
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation					
			Performance Measure	2 Bridge(s)					
05-Santa Cruz-1 2585 0514000005	Near the city of Santa Cruz, on Routes 1 and 17 at various locations. Bridge rail replacement and upgrades.	1F520 2018-19	R/W: Const:	 $4,167	PA&ED: PS&E: R/W Sup: Con Sup:	 $902 $47 $1,059	 Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	5/2/2015 3/1/2018 6/1/2018 12/1/2018
			Subtotal:	$4,167		$2,008			
			Total Project Cost:			**$6,175**			
Carryover			**Program Code**	201.112 Bridge Rail Replacement and Upgrade					
			Performance Measure	1375.0 Linear feet					
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: Const:	$546 $2,228	PA&ED: PS&E: R/W Sup: Con Sup:	$1,591 $1,370 $196 $1,772	Prior 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	12/31/2019 4/29/2021 7/1/2021 2/1/2022
			Subtotal:	$2,774		$4,929			
			Total Project Cost:			**$7,703**			
Carryover			**Program Code**	201.119 Bridge Preventative Maintenance					
			Performance Measure	1 Bridge(s)					
ROADWAY PRESERVATION									
05-Santa Cruz-1 10.2/17.5 2432 0512000240	Near the city of Santa Cruz, from North Aptos Underpass to Route 9. Rehabilitate pavement.	1C850 2018-19	R/W: Const:	$19 $14,952	PA&ED: PS&E: R/W Sup: Con Sup:	$606 $1,030 $10 $1,082	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	8/22/2016 6/1/2018 6/1/2018 2/1/2019
			Subtotal:	$14,971		$2,728			
			Total Project Cost:			**$17,699**			
Carryover			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	32.0 Lane mile(s)					

2018 SHOPP Project List
Santa Cruz
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
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: $84 Const: $3,570	PA&ED: $964 PS&E: $1,940 R/W Sup: $344 Con Sup: $1,365	Prior 19-20 19-20 21-22	PA&ED: 1/30/2020 R/W Cert: 7/9/2021 RTL: 7/19/2021 Begin Con: 12/27/2021
			Subtotal: $3,654	$4,613		
			Total Project Cost:	**$8,267**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 4 Culvert(s) (ea)			

ROADSIDE PRESERVATION

05-Santa Cruz-17 9.4/9.6 2593 0514000131	Near Scotts Valley, from 0.06 miles south of Laurel Road to 0.25 miles north of Laurel Road. Construct wildlife Undercrossing. Funding for PA&ED, PS&E and R/W only. Local contributions to fund remaining components.	1G260 2019-20	R/W: $138 * Const:	PA&ED: $738 PS&E: $2,013 R/W Sup: $226 * Con Sup:	Prior 18-19 18-19	PA&ED: 7/17/2018 R/W Cert: 8/13/2020 RTL: 2/4/2021 Begin Con: 9/20/2021
			Subtotal: $138	$2,977		
			Total Project Cost:	**$3,115**		
			** Const, * Con Sup phase(s) are NOT authorized*			
Carryover			**Program Code** 201.240 Roadside Enhancement **Performance Measure** 1 Location(s)			

Santa Cruz County

R/W:	$3,474	PA&ED:	$12,900
Const:	$62,834	PS&E:	$21,889
		R/W Sup:	$5,197
		Con Sup:	$19,605
Subtotal:	$66,308		$59,591
Total (Capital + Support):			**$125,899**

2018 SHOPP Project List
Shasta
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
02-Shasta-44 51.6/52.2 3673 0217000045	Near Viola, from 0.4 mile east to 1.1 miles east of Bridge Creek Road. Curve improvement.	2H990 2019-20	R/W: $14 Const: $3,100	PA&ED: $670 PS&E: $810 R/W Sup: $80 Con Sup: $730	Prior 18-19 18-19 19-20	PA&ED: 1/16/2019 R/W Cert: 12/2/2019 RTL: 1/2/2020 Begin Con: 5/5/2020
			Subtotal: $3,114	$2,290		
			Total Project Cost:	**$5,404**		
Carryover			**Program Code**	201.010 Safety Improvements		
			Performance Measure	14 Collision(s) reduced		
02-Shasta-5 R31.0/31.7 3552 0214000027	Near Shasta Lake City, at OBrien Safety Roadside Rest Area (SRRA). Upgrade potable water system and wastewater systems.	4G580 2019-20	R/W: $3 Const: $3,007	PA&ED: $400 PS&E: $1,180 R/W Sup: $140 Con Sup: $940	Prior Prior Prior 19-20	PA&ED: 12/1/2017 R/W Cert: 7/1/2019 RTL: 10/1/2019 Begin Con: 3/1/2020
			Subtotal: $3,010	$2,660		
			Total Project Cost:	**$5,670**		
Carryover			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	1 Location(s)		
MANDATES						
02-Shasta-273 14.9/15.7 3626 0216000033	In Redding, from 0.1 mile north of South Redding Underpass to 0.1 mile north of California Street. Construct Americans with Disabilities Act (ADA) compliant ramps and sidewalks.	1H720 2021-22	R/W: $402 Const: $2,400	PA&ED: $0 PS&E: $1,200 R/W Sup: $750 Con Sup: $1,050	 18-19 18-19 21-22	PA&ED: 9/30/2016 R/W Cert: 7/9/2021 RTL: 8/13/2021 Begin Con: 2/4/2022
			Subtotal: $2,802	$3,000		
			Total Project Cost:	**$5,802**		
New			**Program Code**	201.378 Americans with Disabilities Act Pedestrian Infrastructure		
			Performance Measure	19 Curb ramp(s)		
BRIDGE PRESERVATION						
02-Shasta-5 3543 0218000047	Near Dunsmuir, at Crag View Drive Undercrossing Bridge No. 06-0095 (PM 66.8); also at Sims Road Undercrossing No. 06-0111 (PM 57.4). Replace bridges.	4G41U 2018-19	R/W: $36 Const: $16,860	PA&ED: $1,250 PS&E: $2,880 R/W Sup: $260 Con Sup: $4,799	Prior Prior Prior 18-19	PA&ED: 2/1/2018 R/W Cert: 2/22/2019 RTL: 3/26/2019 Begin Con: 8/27/2019
			Subtotal: $16,896	$9,189		
			Total Project Cost:	**$26,085**		
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation		
			Performance Measure	2 Bridge(s)		

2018 SHOPP Project List
Shasta
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
02-Shasta-5 R32.2 3630 0216000041	Near Lakehead, at O'Brien Undercrossing No. 06-0148L. Rehabilitate bridge deck with concrete overlay, upgrade bridge rails, and construct approach slabs.	1H390 2020-21	R/W: Const:	$7 $2,215	PA&ED: PS&E: R/W Sup: Con Sup:	$250 $600 $40 $580	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	11/5/2019 9/25/2020 10/26/2020 2/16/2021
			Subtotal:	$2,222		$1,470			
			Total Project Cost:			**$3,692**			
New			**Program Code**	201.110 Bridge Major Rehabilitation					
			Performance Measure	1 Bridge(s)					

ROADWAY PRESERVATION

02-Shasta-5 R3.8/R7.0 3702 0218000024	In and near Anderson, from Route 273 to Sacramento River Bridge. Roadway rehabilitation, replace bridge, update signage and lighting, and add Intelligent Transportation System (ITS) elements.	3H730 2018-19	R/W: Const:	$1,221 $33,081	PA&ED: PS&E: R/W Sup: Con Sup:	$0 $3,000 $220 $6,900	 Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	8/11/2017 2/22/2019 3/26/2019 9/24/2019
			Subtotal:	$34,302		$10,120			
			Total Project Cost:			**$44,422**			
Carryover			**Program Code**	201.120 Roadway Rehabilitation (3R)					
			Performance Measure	6.4 Lane mile(s)					
02-Shasta-5 R6.2/R11.7 3670 0217000026	In and near Anderson, from south of Riverside Avenue Overcrossing to south of South Bonnyview Road/Churn Creek Road Overcrossing. Rehabilitate roadway, upgrade median barrier, update signage and lighting, and add Intelligent Transportation System (ITS) elements. This project is combined with an existing STIP project EA 02-4C403.	2H880 2018-19	R/W: Const:	 $13,900	PA&ED: PS&E: R/W Sup: Con Sup:	 $2,200	 18-19	PA&ED: R/W Cert: RTL: Begin Con:	2/28/2013 11/30/2015 5/4/2018 10/30/2018
			Subtotal:	$13,900		$2,200			
			Total Project Cost:			**$16,100**			
New			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	20.6 Lane mile(s)					
02-Shasta-299 67.8/77.8 3618 0216000036	Near Burney, from 2.6 miles east of Carberry Flat Road to 0.3 mile east of Burney Mountain Power Road. Rehabilitate pavement, upgrade guardrail, and make curbs Americans with Disabilities Act (ADA) compliant.	1H570 2021-22	R/W: Const:	$436 $11,165	PA&ED: PS&E: R/W Sup: Con Sup:	$1,430 $1,300 $1,020 $2,430	18-19 20-21 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	9/8/2020 3/4/2022 4/4/2022 8/30/2022
			Subtotal:	$11,601		$6,180			
			Total Project Cost:			**$17,781**			
New			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	21.4 Lane mile(s)					

2018 SHOPP Project List
Shasta
($1,000)

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

Shasta County

R/W:	$2,119	PA&ED:	$4,000
Const:	$85,728	PS&E:	$10,970
		R/W Sup:	$2,510
		Con Sup:	$19,629
Subtotal:	$87,847		$37,109
Total (Capital + Support):			**$124,956**

2018 SHOPP Project List
Sierra
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
03-Sierra-49 0.0/15.9 7778 0314000231	In Sierra, and El Dorado counties on Routes 49, 89 and 193 at various locations. Upgrade guard rail to current standards.	4F630 2018-19	R/W: Const:	$60 $1,410	PA&ED: PS&E: R/W Sup: Con Sup:	$85 $605 $10 $590	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	7/25/2017 8/1/2018 9/1/2018 3/1/2019
			Subtotal:	$1,470		$1,290			
			Total Project Cost:			**$2,760**			
			Program Code	201.015 Collision Severity Reduction					
Carryover			**Performance Measure**	13 Collision(s) reduced					
ROADWAY PRESERVATION									
03-Sierra-80 1.3/1.6 7926 0317000045	Near Truckee and Floriston, from 1.3 miles east of the Nevada County line to the Nevada State line. Stabilize cut-slope erosion and prevent rockfall by flattening the slope or installing a drapery system, concrete barrier, and drainage gutter.	2H010 2021-22	R/W: Const:	$80 $5,100	PA&ED: PS&E: R/W Sup: Con Sup:	$370 $860 $210 $900	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2019 10/1/2021 10/15/2021 4/1/2022
			Subtotal:	$5,180		$2,340			
			Total Project Cost:			**$7,520**			
			Program Code	201.150 Roadway Protective Betterments					
New			**Performance Measure**	1 Location(s)					

Sierra County

R/W:	$140	PA&ED:	$455
Const:	$6,510	PS&E:	$1,465
		R/W Sup:	$220
		Con Sup:	$1,490
Subtotal:	$6,650		$3,630
Total (Capital + Support):			**$10,280**

2018 SHOPP Project List
Siskiyou
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
02-Siskiyou-5 0.0/R69.2 3507 0213000002	In and near various cities, at various locations, from Shasta County line to Oregon State line (PM R69.293). Enhance traffic safety by improving the roadside clear recovery zone.	4F520 2021-22	R/W: Const:	$95 $3,540	PA&ED: PS&E: R/W Sup: Con Sup:	$1,000 $1,000 $200 $1,250	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	5/1/2020 7/23/2021 8/23/2021 12/14/2021
			Subtotal:	$3,635		$3,450			
			Total Project Cost:			**$7,085**			
New			**Program Code**		201.015	Collision Severity Reduction			
			Performance Measure		35	Collision(s) reduced			
02-Siskiyou-5 R25.4/R25.9 3657 0216000114	Near Weed, from 0.2 mile south to 0.3 mile north of Weed Airport Safety Roadside Rest Area (SRRA). Upgrade wastewater and water systems.	2H130 2020-21	R/W: Const:	$11 $1,663	PA&ED: PS&E: R/W Sup: Con Sup:	$260 $770 $30 $680	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	10/16/2019 8/12/2020 9/16/2020 4/14/2021
			Subtotal:	$1,674		$1,740			
			Total Project Cost:			**$3,414**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		2	Location(s)			
BRIDGE PRESERVATION									
02-Siskiyou-3 38.0/38.6 3546 0214000013	North of Fort Jones, from 0.3 mile south to 0.3 mile north of West Moffett Creek Road at Moffett Creek Bridge No. 02-0042. Bridge replacement.	4G440 2020-21	R/W: Const:	$237 $3,920	PA&ED: PS&E: R/W Sup: Con Sup:	$1,340 $700 $80 $1,540	Prior 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	9/6/2019 7/31/2020 8/28/2020 2/26/2021
			Subtotal:	$4,157		$3,660			
			Total Project Cost:			**$7,817**			
New			**Program Code**		201.110	Bridge Major Rehabilitation			
			Performance Measure		1	Bridge(s)			
02-Siskiyou-5 2.5/3.0 3614 0216000019	In Dunsmuir, from Central Dunsmuir Undercrossing to 0.1 mile north of Siskiyou Avenue at Sacramento River Bridge and Overhead No. 02-0002. Replace southbound bridge deck.	1H480 2021-22	R/W: Const:	$269 $14,350	PA&ED: PS&E: R/W Sup: Con Sup:	$1,440 $2,660 $450 $3,480	Prior 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	4/15/2020 12/15/2021 1/21/2022 9/20/2022
			Subtotal:	$14,619		$8,030			
			Total Project Cost:			**$22,649**			
Carryover			**Program Code**		201.110	Bridge Major Rehabilitation			
			Performance Measure		1	Bridge(s)			

2018 SHOPP Project List
Siskiyou
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
02-Siskiyou-5 R8.3 3631 0216000042	Near Mt. Shasta, at Azalea Road Overcrossing No. 02-0126. Rehabilitate bridge.	1H400 2020-21	R/W: $7 Const: $1,851	PA&ED: $320 PS&E: $750 R/W Sup: $40 Con Sup: $710	18-19 19-20 19-20 20-21	PA&ED: 10/7/2019 R/W Cert: 9/25/2020 RTL: 10/26/2020 Begin Con: 4/10/2021
			Subtotal: $1,858	$1,820		
			Total Project Cost:	**$3,678**		
New			**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
02-Siskiyou-5 3696 0218000003	In and near Yreka at Louie Road Overcrossing (OC) No. 02-0137 (PM R31.2), Moonlit Oaks Avenue Undercrossing (UC) No. 02-0159R&L (PM R45.6), Miner Street UC No. 02-0158R&L (PM R47.6), and North Yreka Separation No. 02 -0150R&L (PM R48.2); also in Redding, Shasta County, at N273-N5 Connector OC No. 06 -0137G (PM R18.5). Establish standard vertical clearance and improve to standard truck capacity. ACCELERATED BRIDGE (PA&ED Only)	3H640 2020-21	* R/W: $149 * Const: $28,200	PA&ED: $2,790 * PS&E: $1,820 * R/W Sup: $90 * Con Sup: $6,200	Prior 19-20 19-20 20-21	PA&ED: 3/1/2019 R/W Cert: 6/19/2020 RTL: 7/21/2020 Begin Con: 12/22/2020
			Subtotal: $28,349	$10,900		
			Total Project Cost:	**$39,249**		
			** Const, * R/W, * PS&E, * R/W Sup, * Con Sup phase(s) are NOT authorized*			
Carryover			**Program Code** 201.322 Trans Permit Requirements for Bridges **Performance Measure** 8 Bridge(s)			
ROADWAY PRESERVATION						
02-Siskiyou-3 R46.8/R48.0 3643 0217000009	In Yreka, from 0.4 mile north of Laura Lane to Juniper Drive; also on Route 263 from Route 3 to 1.0 mile south of Long Gulch Road (PM 49.07 to 49.41). Reconstruct pavement structural section, replace sidewalk, driveways, curb ramps and pedestrian signals to meet current Americans with Disabilities Act (ADA) Standards, designate bikeways with new signage and pavement delineation.	1H520 2021-22	R/W: $1,482 Const: $52,950	PA&ED: $1,830 PS&E: $2,200 R/W Sup: $5,880 Con Sup: $9,650	18-19 19-20 19-20 21-22	PA&ED: 11/4/2019 R/W Cert: 3/4/2022 RTL: 3/21/2022 Begin Con: 9/27/2022
			Subtotal: $54,432	$19,560		
			Total Project Cost:	**$73,992**		
New			**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 13.0 Lane mile(s)			
02-Siskiyou-5 2.7/R15.9 3685 0217000097	In and near Dunsmuir and Mt. Shasta, from Sacramento River Bridge Overhead to Black Butte Overhead. Roadway rehabilitation. (G13 Contingency)	3H320 2021-22	R/W: $135 * Const: $116,040	PA&ED: $1,620 PS&E: $5,090 R/W Sup: $80 * Con Sup: $12,860	Prior 20-21 20-21 21-22	PA&ED: 10/2/2020 R/W Cert: 10/4/2021 RTL: 3/10/2022 Begin Con: 9/27/2022
			Subtotal: $116,175	$19,650		
			Total Project Cost:	**$135,825**		
			** Construction Capital and * Construction Support phase are NOT authorized*			
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 25.4 Lane mile(s)			

2018 SHOPP Project List
Siskiyou
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
02-Siskiyou-96 23.0/103.4 3601 0215000105	Near Happy Camp, from 0.3 miles west of Swillup Creek Bridge to Route 263. Drainage system restoration.	1H090 2019-20	R/W: Const:	$200 $2,070	PA&ED: PS&E: R/W Sup: Con Sup:	$1,040 $730 $530 $1,060	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	3/29/2019 2/17/2020 3/2/2020 9/1/2020
			Subtotal:	$2,270		$3,360			
			Total Project Cost:			**$5,630**			
Carryover			**Program Code**	201.151 Drainage System Restoration					
			Performance Measure	20 Culvert(s) (ea)					

MOBILITY

02-Siskiyou-5 3556 0214000030	In Siskiyou and Shasta Counties, on Routes 5 and 89 at various locations. Upgrade Transportation Management System (TMS) field elements.	4G630 2018-19	R/W: Const:	$196 $3,600	PA&ED: PS&E: R/W Sup: Con Sup:	$390 $710 $140 $720	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	12/15/2017 1/22/2019 1/28/2019 8/6/2019
			Subtotal:	$3,796		$1,960			
			Total Project Cost:			**$5,756**			
Carryover			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	16 Field element(s)					

Siskiyou County

R/W:	$2,781	PA&ED:	$12,030
Const:	$228,184	PS&E:	$16,430
		R/W Sup:	$7,520
		Con Sup:	$38,150
Subtotal:	$230,965		$74,130
Total (Capital + Support):			**$305,095**

2018 SHOPP Project List
Solano
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
MAJOR DAMAGE RESTORATION									
04-Solano-680 R1.9/R2.0 1498M 0415000246	In Benicia, from north of Industrial Way to south of Lake Herman Road. Repair slipouts and stabilize slope.	4J040 2019-20	R/W:	$38	PA&ED:	$560	Prior	PA&ED:	7/31/2018
			Const:	$1,040	PS&E:	$514	18-19	R/W Cert:	11/20/2019
					R/W Sup:	$22	18-19	RTL:	2/28/2020
					Con Sup:	$521	19-20	Begin Con:	9/28/2020
			Subtotal:	$1,078		$1,617			
			Total Project Cost:			**$2,695**			
Carryover			**Program Code**	201.131 Permanent Restoration					
			Performance Measure	1 Location(s)					
BRIDGE PRESERVATION									
04-Solano-84 12.0/12.4 0886 0400000343	Near Rio Vista, at Miner Slough Bridge No. 23 -0035. Replace bridge.	0G660 2019-20	R/W:	$2,884	PA&ED:	$3,000	Prior	PA&ED:	9/29/2017
			Const:	$24,500	PS&E:	$3,500	Prior	R/W Cert:	4/30/2020
					R/W Sup:	$1,098	18-19	RTL:	5/30/2020
					Con Sup:	$3,500	19-20	Begin Con:	12/20/2020
			Subtotal:	$27,384		$11,098			
			Total Project Cost:			**$38,482**			
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation					
			Performance Measure	1 Bridge(s)					
04-Solano-80 14.6 0487R 0416000153	Near Fairfield, at Suisun Creek Bridge No. 23 -0007. Scour mitigation.	4G872 2019-20	R/W:	$5	PA&ED:	$1,200	Prior	PA&ED:	9/3/2018
			Const:	$760	PS&E:	$600	18-19	R/W Cert:	4/1/2020
					R/W Sup:	$20	18-19	RTL:	4/1/2020
					Con Sup:	$600	19-20	Begin Con:	10/1/2020
			Subtotal:	$765		$2,420			
			Total Project Cost:			**$3,185**			
Carryover			**Program Code**	201.111 Bridge Scour Mitigation					
			Performance Measure	2 Bridge(s)					
04-Solano-80 1.1/34.5 0480N 0414000017	In and near Vallejo, Dixon and Vacaville, at Route 80/29 Separation Bridge No. 23-0087, McCune Creek Bridge No. 23-0084L/R and Horse Creek Bridge No. 23-0077L. Bridge preventative maintenance.	0J600 2019-20	R/W:	$423	PA&ED:	$990	Prior	PA&ED:	8/31/2018
			Const:	$1,379	PS&E:	$880	18-19	R/W Cert:	2/28/2020
					R/W Sup:	$66	18-19	RTL:	5/31/2020
					Con Sup:	$880	19-20	Begin Con:	11/2/2020
			Subtotal:	$1,802		$2,816			
			Total Project Cost:			**$4,618**			
Carryover			**Program Code**	201.119 Bridge Preventative Maintenance					
			Performance Measure	4 Bridge(s)					

2018 SHOPP Project List
Solano
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
04-Solano-84 2.5 0480D 0413000081	Near Rio Vista, at the Cache Slough Ferry Crossing. Upgrade the existing fender systems, concrete ramps, and swing gate systems, modify the ferry boat deck surface, and install traffic counter and Vehicle Detection Systems (VDS).	4H060 2021-22	R/W: Const:	$350 $12,630	PA&ED: PS&E: R/W Sup: Con Sup:	$2,080 $2,080 $260 $2,080	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2020 5/1/2022 6/1/2022 12/1/2022
			Subtotal:	$12,980		$6,500			
			Total Project Cost:			**$19,480**			
New			**Program Code**		201.119 Bridge Preventative Maintenance				
			Performance Measure		1 Bridge(s)				
04-Solano-80 1.1 1452F 0417000031	In Vallejo, at Route 80/29 Separation Bridge No. 23-0087. Replace bridge. ACCELERATED BRIDGE (PA&ED Only)	2K840 2019-20	* R/W: * Const:	$15 $11,922	PA&ED: * PS&E: * R/W Sup: * Con Sup:	$2,057 $2,624 $22 $2,416	Prior 19-20 19-20 19-20	PA&ED: R/W Cert: RTL: Begin Con:	12/3/2018 5/4/2020 6/8/2020 1/15/2021
			Subtotal:	$11,937		$7,119			
			Total Project Cost:			**$19,056**			
			** Const, * R/W, * PS&E, * R/W Sup, * Con Sup phase(s) are NOT authorized*						
Carryover			**Program Code**		201.322 Trans Permit Requirements for Bridges				
			Performance Measure		1 Bridge(s)				
04-Solano-80 1.8/4.4 0481R 0414000029	In Vallejo, from Magazine Street Overcrossing No. 23-0066 to Redwood Street Overcrossing No. 23-0114. Increase vertical clearance at six overcrossing structures. ACCELERATED BRIDGE	0J710 2018-19	R/W: Const:	$10 $15,951	PA&ED: PS&E: R/W Sup: Con Sup:	$1,870 $2,154 $154 $1,859	Prior 18-19 18-19 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/29/2018 7/1/2019 6/30/2019 6/1/2020
			Subtotal:	$15,961		$6,037			
			Total Project Cost:			**$21,998**			
Carryover			**Program Code**		201.322 Trans Permit Requirements for Bridges				
			Performance Measure		6 Bridge(s)				
ROADWAY PRESERVATION									
04-Solano-12 20.6/26.4 0480P 0414000020	In and near Rio Vista, from Currie Road to Sacramento County line. Roadway rehabilitation. (G13 Contingency)	0J630 2021-22	R/W: * Const:	$2,983 $73,200	PA&ED: PS&E: R/W Sup: * Con Sup:	$5,780 $5,780 $2,890 $11,560	Prior 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2019 2/1/2022 2/1/2022 8/1/2022
			Subtotal:	$76,183		$26,010			
			Total Project Cost:			**$102,193**			
			** Construction Capital and * Construction Support phase are NOT authorized*						
New			**Program Code**		201.120 Roadway Rehabilitation (3R)				
			Performance Measure		9.7 Lane mile(s)				

2018 SHOPP Project List
Solano
($1,000)

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

Solano County

R/W:	$6,708	PA&ED:	$17,537
Const:	$141,382	PS&E:	$18,132
		R/W Sup:	$4,532
		Con Sup:	$23,416
Subtotal:	$148,090		$63,617
Total (Capital + Support):			**$211,707**

2018 SHOPP Project List
Sonoma
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
04-Sonoma-1 26.7/27.0 0482T 0413000433	Near Jenner, from 0.3 to 0.4 mile north of Myers Grade Road. Permanent restoration of roadway slipouts.	0J300 2020-21	R/W: $215 Const: $13,856	PA&ED: $2,106 PS&E: $2,496 R/W Sup: $208 Con Sup: $2,288	18-19 18-19 18-19 20-21	PA&ED: 4/15/2019 R/W Cert: 9/15/2020 RTL: 12/15/2020 Begin Con: 8/15/2021
			Subtotal: $14,071	$7,098		
			Total Project Cost:	**$21,169**		
New			**Program Code** 201.131 Permanent Restoration **Performance Measure** 2 Location(s)			
04-Sonoma-101 9.0 0481B 0413000408	Near Petaluma, north of Pepper Road. Repair slide and drainage system.	0J100 2018-19	R/W: $850 Const: $1,324	PA&ED: $423 PS&E: $850 R/W Sup: $150 Con Sup: $850	Prior 18-19 Prior 18-19	PA&ED: 6/15/2018 R/W Cert: 12/13/2018 RTL: 3/15/2019 Begin Con: 8/30/2019
			Subtotal: $2,174	$2,273		
			Total Project Cost:	**$4,447**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 1 Location(s)			
COLLISION REDUCTION						
04-Sonoma-121 3.4/6.5 0738 0400020007	Near Schellville, from north of Tolay Creek Bridge to south of Yellow Creek Bridge. Widen for standard shoulders, upgrade curves to standard, and install rumble strips.	0G680 2019-20	R/W: $6,264 Const: $25,000	PA&ED: $2,500 PS&E: $3,750 R/W Sup: $1,800 Con Sup: $4,200	Prior 18-19 Prior 19-20	PA&ED: 6/30/2018 R/W Cert: 6/1/2020 RTL: 6/15/2020 Begin Con: 12/1/2020
			Subtotal: $31,264	$12,250		
			Total Project Cost:	**$43,514**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 13 Collision(s) reduced			
04-Sonoma-12 1492G 0416000045	In Sonoma County, on Routes 12 and 116 at various locations; also in Marine County, on Routes 1 and 131 at various locations; and in Napa County on Routes 29 and 121 at various locations. Install hybrid beacons, stop and yield lines, crosswalks and bulbouts, and upgrade curb ramps to enhance pedestrian safety.	0K130 2021-22	R/W: $36 Const: $2,777	PA&ED: $800 PS&E: $960 R/W Sup: $70 Con Sup: $850	18-19 19-20 19-20 21-22	PA&ED: 5/1/2020 R/W Cert: 9/1/2021 RTL: 1/2/2022 Begin Con: 6/1/2022
			Subtotal: $2,813	$2,680		
			Total Project Cost:	**$5,493**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 27 Collision(s) reduced			

2018 SHOPP Project List
Sonoma
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
04-Sonoma-12 9.5/31.3 0480E 0414000025	In various cities on Routes 12, 101, and 116 at various locations; also in Marin County on Route 101 at various locations. Highway worker safety improvements.	0J680 2018-19	R/W: Const:	$10 $2,190	PA&ED: PS&E: R/W Sup: Con Sup:	$308 $550 $44 $550	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	10/31/2017 3/20/2019 5/1/2019 12/10/2019
			Subtotal:	$2,200		$1,452			
			Total Project Cost:			**$3,652**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		27	Location(s)			

MANDATES

04-Sonoma-116 8.5/10.5 1487F 0415000085	Near Monte Rio and Cloverdale, on Routes 116 and 128; also in Marin County, on Route 101, at 0.4 mile north of Sir Francis Drake Boulevard (PM 9.25). Stabilized soil and erosion control to mitigate for storm water quality.	2J840 2019-20	R/W: Const:	$370 $2,816	PA&ED: PS&E: R/W Sup: Con Sup:	$685 $670 $80 $655	Prior 18-19 Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/30/2018 11/30/2019 12/1/2019 5/15/2020
			Subtotal:	$3,186		$2,090			
			Total Project Cost:			**$5,276**			
Carryover			**Program Code**		201.335	Storm Water Mitigation			
			Performance Measure		12.1	Acre(s) treated/pollutant			
04-Sonoma-116 11.8/R12.2 1491B 0415000351	Near Guerneville, from Brookside Lane to River Road. Upgrade curb ramps and sidewalk, and install Accessible Pedestrian Signals (APS) pushbuttons to make facilities compliant with the Americans with Disabilities Act (ADA) Standards.	4J460 2021-22	R/W: Const:	$68 $2,990	PA&ED: PS&E: R/W Sup: Con Sup:	$300 $850 $225 $850	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2020 1/20/2022 5/2/2022 11/11/2022
			Subtotal:	$3,058		$2,225			
			Total Project Cost:			**$5,283**			
New			**Program Code**		201.361	Americans with Disabilities Act New Curb Ramps			
			Performance Measure		18	Curb ramp(s)			

BRIDGE PRESERVATION

04-Sonoma-12 25.8/33.3 0269M 0413000080	In and near Sonoma, at Sonoma Creek Bridge No. 20-0027 and Hooker Creek Bridge No. 20 -0030. Scour mitigation.	4H050 2019-20	R/W: Const:	$150 $9,000	PA&ED: PS&E: R/W Sup: Con Sup:	$1,519 $2,650 $500 $2,000	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	6/1/2018 12/16/2019 2/7/2020 12/1/2020
			Subtotal:	$9,150		$6,669			
			Total Project Cost:			**$15,819**			
Carryover			**Program Code**		201.111	Bridge Scour Mitigation			
			Performance Measure		2	Bridge(s)			

2018 SHOPP Project List
Sonoma
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
04-Sonoma-101 16.5/19.0 1451A 0416000394	In and near Santa Rosa, at Todd Road Overcrossing (OC) No. 20-0172 (PM 16.54) and Baker Avenue OC No. 20-0173 (PM 19.00); also in Marin County near Navato, at Miller Creek Road OC No. 27-0082 (PM 15.57). Upgrade bridge rails.	2K240 2021-22	R/W: Const:	$116 $4,343	PA&ED: PS&E: R/W Sup: Con Sup:	$650 $780 $130 $988	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2019 8/1/2021 9/1/2021 3/1/2021
			Subtotal:	$4,459		$2,548			
			Total Project Cost:			**$7,007**			
New			**Program Code**	201.112 Bridge Rail Replacement and Upgrade					
			Performance Measure	1395.0 Linear feet					
04-Sonoma-101 0.0 1487D 0415000078	Near Petaluma, at San Antonio Creek Bridges No. 20-0019L/R. Abutment scour mitigation and channel sediment cleaning to address flooding.	3J080 2021-22	R/W: Const:	$160 $997	PA&ED: PS&E: R/W Sup: Con Sup:	$982 $416 $24 $468	Prior 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2020 12/1/2021 12/1/2021 6/1/2022
			Subtotal:	$1,157		$1,890			
			Total Project Cost:			**$3,047**			
Carryover			**Program Code**	201.119 Bridge Preventative Maintenance					
			Performance Measure	2 Bridge(s)					
ROADWAY PRESERVATION									
04-Sonoma-12 11.0/T17.4 1493M 0416000098	In and near Santa Rosa, from Llano Road to Farmers Lane. Rehabilitate pavement, upgrade guardrail to make standard and upgrade curb ramps to make Americans with Disabilities Act (ADA) compliant.	0K520 2021-22	R/W: Const:	$280 $27,681	PA&ED: PS&E: R/W Sup: Con Sup:	$2,084 $2,900 $66 $3,350	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2020 11/1/2021 12/1/2021 5/2/2022
			Subtotal:	$27,961		$8,400			
			Total Project Cost:			**$36,361**			
New			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	22.0 Lane mile(s)					
04-Sonoma-12 35.1/38.9 0488K 0414000202	In and near Sonoma, from Vallejo Avenue to east of Leveroni Road/Napa Road. Pavement rehabilitation.	1J360 2019-20	R/W: Const:	$5 $6,208	PA&ED: PS&E: R/W Sup: Con Sup:	$808 $870 $62 $746	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	4/1/2018 1/2/2020 2/1/2020 7/30/2020
			Subtotal:	$6,213		$2,486			
			Total Project Cost:			**$8,699**			
Carryover			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	7.6 Lane mile(s)					

2018 SHOPP Project List
Sonoma
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
04-Sonoma-101 29.3/R54.3 1482F 0414000476	In and near Windsor, Healdsburg, and Cloverdale, from Old Redwood Highway to 2.0 miles south of Mendocino County line. Roadway rehabilitation.	0J642 2018-19	R/W: $890 Const: $68,200	PA&ED: $5,149 PS&E: $6,799 R/W Sup: $170 Con Sup: $7,600	Prior Prior Prior 18-19	PA&ED: 6/30/2018 R/W Cert: 6/20/2019 RTL: 6/28/2019 Begin Con: 11/1/2019
			Subtotal: $69,090	$19,718		
			Total Project Cost:	**$88,808**		
Carryover			**Program Code** 201.122 Roadway Rehabilitation (2R) **Performance Measure** 43.2 Lane mile(s)			
04-Sonoma-1 30.8/40.6 1453J 0416000307	Near Jenner, from south of Fort Ross Road to north of Moon Rock Campground at various locations. Rehabilitate drainage culverts.	1K730 2021-22	R/W: $321 Const: $4,256	PA&ED: $744 PS&E: $1,369 R/W Sup: $429 Con Sup: $1,385	Prior 20-21 20-21 21-22	PA&ED: 10/15/2020 R/W Cert: 6/15/2022 RTL: 6/1/2022 Begin Con: 1/1/2023
			Subtotal: $4,577	$3,927		
			Total Project Cost:	**$8,504**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 22 Culvert(s) (ea)			
04-Sonoma-1 41.5/54.6 1462M 0416000309	Near Gualala, from north of Moon Rock Campground to 0.1 mile north of Vantage Road. Rehabilitate drainage culverts.	1K750 2021-22	R/W: $382 Const: $4,761	PA&ED: $1,050 PS&E: $1,571 R/W Sup: $286 Con Sup: $1,040	Prior 20-21 20-21 21-22	PA&ED: 10/15/2020 R/W Cert: 6/15/2022 RTL: 6/15/2022 Begin Con: 1/16/2023
			Subtotal: $5,143	$3,947		
			Total Project Cost:	**$9,090**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 26 Culvert(s) (ea)			
MOBILITY						
04-Sonoma-37 2.6 0763L 0414000487	Near Vallejo, at east of Route 121. Replace Weigh-in-Motion (WIM) systems.	1A210 2018-19	R/W: $10 Const: $2,280	PA&ED: $506 PS&E: $592 R/W Sup: $20 Con Sup: $554	Prior Prior Prior 18-19	PA&ED: 4/1/2018 R/W Cert: 5/1/2019 RTL: 6/15/2019 Begin Con: 9/1/2019
			Subtotal: $2,290	$1,672		
			Total Project Cost:	**$3,962**		
Carryover			**Program Code** 201.321 Weigh Stations **Performance Measure** 2 Location(s)			

2018 SHOPP Project List
Sonoma
($1,000)

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

Sonoma County

R/W:	$10,127	PA&ED:	$20,614
Const:	$178,679	PS&E:	$28,073
		R/W Sup:	$4,264
		Con Sup:	$28,374
Subtotal:	$188,806		$81,325
Total (Capital + Support):			**$270,131**

2018 SHOPP Project List
Stanislaus
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
10-Stanislaus-5 27.0/27.5 3009 1012000021	Near Westley, at the Westley Safety Roadside Rest Area (SRRA). Upgrade water and wastewater systems.	0W630 2018-19	R/W: Const:	$5 $4,001	PA&ED: PS&E: R/W Sup: Con Sup:	$260 $904 $6 $806	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/30/2015 7/2/2018 8/1/2018 3/1/2019
			Subtotal:	$4,006		$1,976			
			Total Project Cost:			**$5,982**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		1	Location(s)			
10-Stanislaus-99 R1.1/R7.3 3143 1013000249	In and near Turlock, from north of Golf Road to north of Taylor Road. Highway worker safety improvements.	0X660 2018-19	R/W: Const:	$3 $2,093	PA&ED: PS&E: R/W Sup: Con Sup:	$306 $595 $18 $574	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	7/7/2017 10/15/2018 11/15/2018 5/2/2019
			Subtotal:	$2,096		$1,493			
			Total Project Cost:			**$3,589**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		40	Location(s)			
10-Stanislaus-99 R13.8/R17.6 3189 1016000027	In and near Modesto, at various locations from 0.1 mile south of Modesto Undercrossing to Woodland Avenue. Pave areas behind the gore and at slopes, upgrade guardrail and place vegetative control and construct Maintenance Vehicle Pullouts (MVPs) to reduce maintenance and improve highway worker safety.	0X670 2019-20	R/W: Const:	$8 $3,692	PA&ED: PS&E: R/W Sup: Con Sup:	$330 $1,232 $0 $673	18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	3/1/2019 9/15/2019 10/1/2019 4/15/2020
			Subtotal:	$3,700		$2,235			
			Total Project Cost:			**$5,935**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		31	Location(s)			
MANDATES									
10-Stanislaus-99 R16.5/R16.7 3125 1015000115	In Modesto, from 0.1 mile south of Kansas Avenue and 0.4 mile north of Route 132 Separation; also on adopted Route 132 alignment right-of-way, from 0.2 mile west of Emerald Avenue and 0.3 mile east of Emerald Avenue (PM 13.7/14.3). Hazardous waste mitigation.	1E700 2018-19	R/W: Const:	$27 $2,400	PA&ED: PS&E: R/W Sup: Con Sup:	$813 $916 $18 $900	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	3/15/2018 10/1/2018 11/1/2018 3/1/2019
			Subtotal:	$2,427		$2,647			
			Total Project Cost:			**$5,074**			
Carryover			**Program Code**		201.330	Hazardous Waste Mitigation			
			Performance Measure		3	Location(s)			

2018 SHOPP Project List
Stanislaus
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
10-Stanislaus-108 3010B 1017000155	Near Riverbank, at 2nd Street and 4th Street. Upgrade curb ramps, sidewalk and crosswalks.	0W902 2018-19	R/W: Const:	$87 $310	PA&ED: PS&E: R/W Sup: Con Sup:	 $715 $180 $200	 Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	 5/31/2019 6/14/2019 1/31/2020
			Subtotal:	$397		$1,095			
			Total Project Cost:			**$1,492**			
Carryover			**Program Code**		201.361 Americans with Disabilities Act New Curb Ramps				
			Performance Measure		6 Curb ramp(s)				
10-Stanislaus-132 27.2/28.0 3241 1017000013	In Waterford, from Reinway Avenue to F Street. Upgrade pedestrian facilities to make compliant with the Americans with Disabilities Act (ADA) Standards.	1G420 2021-22	R/W: Const:	$84 $2,000	PA&ED: PS&E: R/W Sup: Con Sup:	$683 $1,337 $723 $718	18-19 18-19 18-19 21-22	PA&ED: R/W Cert: RTL: Begin Con:	5/29/2019 8/2/2021 9/1/2021 3/18/2022
			Subtotal:	$2,084		$3,461			
			Total Project Cost:			**$5,545**			
New			**Program Code**		201.361 Americans with Disabilities Act New Curb Ramps				
			Performance Measure		22 Curb ramp(s)				
ROADWAY PRESERVATION									
10-Stanislaus-108 33.2 5411 1012000193	In and near Riverbank, at 8th Street. Repair slope with retaining wall.	0H480 2018-19	R/W: Const:	$52 $1,824	PA&ED: PS&E: R/W Sup: Con Sup:	 $1,439 $98 $631	 Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/30/2015 2/28/2019 4/17/2019 10/30/2019
			Subtotal:	$1,876		$2,168			
			Total Project Cost:			**$4,044**			
Carryover			**Program Code**		201.150 Roadway Protective Betterments				
			Performance Measure		2 Location(s)				
10-Stanislaus-99 R10.0/R16.8 3251 1016000017	In and near Ceres and Modesto, at various locations from Mitchell Road to Kansas Avenue; also in Merced County, on Route 59 near the city of Merced, at Childs Avenue (PM 14.0). Upgrade drainage pump plants.	1E620 2020-21	R/W: Const:	$13 $6,440	PA&ED: PS&E: R/W Sup: Con Sup:	$278 $1,142 $93 $1,991	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	6/29/2019 8/10/2020 9/9/2020 3/26/2021
			Subtotal:	$6,453		$3,504			
			Total Project Cost:			**$9,957**			
New			**Program Code**		201.151 Drainage System Restoration				
			Performance Measure		6 Culvert(s) (ea)				

2018 SHOPP Project List
Stanislaus
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
MOBILITY									
10-Stanislaus-99 R13.4/R13.8 0037 1015000003	Near Ceres and Modesto, in the northbound direction from Hatch Road onramp to S. 9th Street offramp. Construct auxiliary lane.	0L870 2019-20	R/W: Const:	$1,259 $3,750	PA&ED: PS&E: R/W Sup: Con Sup:	$1,110 $1,427 $141 $1,012	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	2/1/2018 5/1/2020 6/1/2020 11/16/2020
			Subtotal:	$5,009		$3,690			
			Total Project Cost:			**$8,699**			
Carryover			**Program Code**	201.310 Operational Improvements					
			Performance Measure	110 Daily vehicle hour(s) of delay (DVHD)					
10-Stanislaus-99 3286 1018000083	In San Joaquin, Merced, Stanislaus, and Sacramento Counties, at various routes and locations. Upgrade TTI System.	1G440 2019-20	R/W: Const:	$6 $1,619	PA&ED: PS&E: R/W Sup: Con Sup:	$163 $377 $4 $401	18-19 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/1/2019 1/28/2020 4/7/2020 8/17/2020
			Subtotal:	$1,625		$945			
			Total Project Cost:			**$2,570**			
New			**Program Code**	201.315 Transportation Management Systems					
			Performance Measure	161 Field element(s)					

Stanislaus County

R/W:	$1,544	PA&ED:	$3,943
Const:	$28,129	PS&E:	$10,084
		R/W Sup:	$1,281
		Con Sup:	$7,906
Subtotal:	$29,673		$23,214
Total (Capital + Support):			**$52,887**

2018 SHOPP Project List
Sutter
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
03-Sutter-99 40.0/40.5 8381 0317000083	In Live Oak, at Elm Street and Pennington Road. Intersection safety improvements.	2H230 2019-20	R/W: Const:	$100 $3,800	PA&ED: PS&E: R/W Sup: Con Sup:	$500 $630 $620 $660	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2017 9/1/2019 9/1/2019 3/1/2020
			Subtotal:	$3,900		$2,410			
			Total Project Cost:			**$6,310**			
			Program Code	201.010 Safety Improvements					
Carryover			**Performance Measure**	51 Collision(s) reduced					
ROADWAY PRESERVATION									
03-Sutter-99 39.4/41.0 8378 0316000061	In Live Oak, from 0.1 mile north of Coleman Avenue to 0.2 mile north of Ramsdell Drive. Roadway rehabilitation.	1H150 2019-20	R/W: Const:	 $18,100	PA&ED: PS&E: R/W Sup: Con Sup:	$20 $380 $50 $1,500	Prior 19-20 Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/1/2018 9/1/2019 9/1/2019 3/1/2020
			Subtotal:	$18,100		$1,950			
			Total Project Cost:			**$20,050**			
			Program Code	201.120 Roadway Rehabilitation (3R)					
Carryover			**Performance Measure**	4.8 Lane mile(s)					
ROADSIDE PRESERVATION									
03-Sutter-99 0.0/42.4 8380 0316000176	In Sutter, Glenn, Colusa, Yuba, Placer, Yolo, and Sacramento Counties, at various locations. Advance mitigation credit purchases for future SHOPP construction projects expected to impact sensitive species.	1H520 2018-19	R/W: Const:	$1,400 	PA&ED: PS&E: R/W Sup: Con Sup:	$62 $4 $43 $1	Prior 19-20 19-20 18-19	PA&ED: R/W Cert: RTL: Begin Con:	2/1/2019 3/4/2019 3/4/2019 5/1/2019
			Subtotal:	$1,400		$110			
			Total Project Cost:			**$1,510**			
			Program Code	201.240 Roadside Enhancement					
Carryover			**Performance Measure**	9 Location(s)					

Sutter County

R/W:	$1,500	PA&ED:	$582
Const:	$21,900	PS&E:	$1,014
		R/W Sup:	$713
		Con Sup:	$2,161
Subtotal:	$23,400		$4,470
Total (Capital + Support):			**$27,870**

2018 SHOPP Project List
Tehama
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
02-Tehama-36 12.6/13.1 3640 0216000051	Near Red Bluff, from 2.3 miles east to 2.8 miles east of Dry Creek Bridge. Curve improvement.	1H970 2019-20	R/W: $216 Const: $3,000	PA&ED: $390 PS&E: $670 R/W Sup: $210 Con Sup: $670	Prior Prior Prior 19-20	PA&ED: 5/10/2018 R/W Cert: 7/19/2019 RTL: 8/16/2019 Begin Con: 11/29/2019
			Subtotal: $3,216	$1,940		
			Total Project Cost:	**$5,156**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 20 Collision(s) reduced			
02-Tehama-36 26.6/27.6 3663 0216000156	Near Red Bluff, from west of Basler Road to east of Diamond Star Road. Curve improvement.	2H630 2019-20	R/W: $476 Const: $3,200	PA&ED: $695 PS&E: $885 R/W Sup: $685 Con Sup: $1,200	Prior 18-19 18-19 19-20	PA&ED: 11/20/2018 R/W Cert: 2/24/2020 RTL: 3/26/2020 Begin Con: 7/14/2020
			Subtotal: $3,676	$3,465		
			Total Project Cost:	**$7,141**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 16 Collision(s) reduced			
02-Tehama-36 87.8/88.8 3641 0216000052	Near Mineral, from 0.1 mile to 1.2 miles east of Route 89. Curve improvement.	1H740 2019-20	R/W: $401 Const: $4,324	PA&ED: $840 PS&E: $751 R/W Sup: $50 Con Sup: $1,240	Prior Prior Prior 19-20	PA&ED: 3/2/2018 R/W Cert: 5/31/2019 RTL: 7/1/2019 Begin Con: 10/15/2019
			Subtotal: $4,725	$2,881		
			Total Project Cost:	**$7,606**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 24 Collision(s) reduced			
02-Tehama-5 36.3/41.6 3632 0216000044	Near Red Bluff, from Nine Mile Hill Overcrossing to 0.1 mile north of Bowman Road Overcrossing. Improve median clear recovery zone and widen inside shoulder to make standard for enhanced errant vehicle safety.	1H470 2020-21	R/W: $470 Const: $4,530	PA&ED: $930 PS&E: $800 R/W Sup: $40 Con Sup: $1,030	18-19 19-20 19-20 20-21	PA&ED: 3/2/2020 R/W Cert: 2/19/2021 RTL: 3/22/2021 Begin Con: 8/17/2021
			Subtotal: $5,000	$2,800		
			Total Project Cost:	**$7,800**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 30 Collision(s) reduced			

2018 SHOPP Project List
Tehama
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
MANDATES									
02-Tehama-99 12.0/12.6 3606 0215000126	Near Los Molinos, from Josephine Street to Los Molinos Creek Bridge. Construct curb ramps, sidewalks, lighting and drainage improvements.	1H320 2018-19	R/W: Const:	$891 $4,600	PA&ED: PS&E: R/W Sup: Con Sup:	$310 $460 $230 $640	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	12/15/2017 2/12/2019 3/19/2019 8/3/2019
			Subtotal:	$5,491		$1,640			
			Total Project Cost:			**$7,131**			
Carryover			**Program Code**		201.378	Americans with Disabilities Act Pedestrian Infrastructure			
			Performance Measure		28	Curb ramp(s)			
BRIDGE PRESERVATION									
02-Tehama-99 9.0/9.3 3642 0216000148	Near Los Molinos, from 0.2 mile south to 0.2 mile north of Champlin Slough Bridge No. 08 -0006. Replace bridge to correct scour critical conditions.	1H510 2021-22	R/W: Const:	$90 $4,370	PA&ED: PS&E: R/W Sup: Con Sup:	$850 $1,170 $90 $990	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	5/5/2020 10/22/2021 11/24/2021 4/19/2022
			Subtotal:	$4,460		$3,100			
			Total Project Cost:			**$7,560**			
New			**Program Code**		201.111	Bridge Scour Mitigation			
			Performance Measure		1	Bridge(s)			
02-Tehama-5 R25.4 3515 0213000010	In Red Bluff, at Sacramento River Bridge No. 08-0095L/R. Retrofit bridges.	4F590 2019-20	R/W: Const:	$56 $22,100	PA&ED: PS&E: R/W Sup: Con Sup:	$1,592 $1,659 $280 $3,962	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/17/2018 11/24/2019 12/25/2019 6/24/2020
			Subtotal:	$22,156		$7,493			
			Total Project Cost:			**$29,649**			
Carryover			**Program Code**		201.113	Bridge Seismic Restoration			
			Performance Measure		2	Bridge(s)			
02-Tehama-Var 3549 0214000023	In Tehama County, on Routes 5, 32, and 36 at various locations; also in Shasta County on Routes 5 and 44; also in Lassen County on Route 299 at various locations. Bridge scour prevention at nine bridges.	4G530 2019-20	R/W: Const:	$147 $1,400	PA&ED: PS&E: R/W Sup: Con Sup:	$780 $720 $50 $600	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	2/18/2019 2/28/2020 3/30/2020 8/26/2020
			Subtotal:	$1,547		$2,150			
			Total Project Cost:			**$3,697**			
Carryover			**Program Code**		201.119	Bridge Preventative Maintenance			
			Performance Measure		9	Bridge(s)			

2018 SHOPP Project List
Tehama
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
02-Tehama-36 40.3/42.1 3558 0214000024	In Red Bluff, from east of Baker Road to east of East Sand Slough Bridge. Pavement rehabilitation.	4G540 2019-20	R/W: $122 Const: $6,600	PA&ED: $700 PS&E: $650 R/W Sup: $240 Con Sup: $1,020	Prior Prior Prior 19-20	PA&ED: 12/22/2017 R/W Cert: 7/2/2019 RTL: 8/2/2019 Begin Con: 2/19/2020
			Subtotal: $6,722	$2,610		
			Total Project Cost:	**$9,332**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 10.1 Lane mile(s)			
02-Tehama-36 0.0/100.0 3550 0214000025	Near Red Bluff, from Shasta County line to Route 32 at various locations. Drainage system restoration.	4G560 2019-20	R/W: $351 Const: $2,525	PA&ED: $760 PS&E: $660 R/W Sup: $620 Con Sup: $1,310	Prior 18-19 18-19 19-20	PA&ED: 7/23/2018 R/W Cert: 9/3/2019 RTL: 10/10/2019 Begin Con: 2/13/2020
			Subtotal: $2,876	$3,350		
			Total Project Cost:	**$6,226**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 25 Culvert(s) (ea)			
MOBILITY						
02-Tehama-5 39.0/41.9 3611 0216000010	Near Red Bluff, from 0.3 mile north of Snively Road Overcrossing to 0.4 mile north of Bowman Road Overcrossing. Upgrade southbound Cottonwood Commercial Vehicle Enforcement Facility (CVEF).	1H680 2021-22	R/W: $35 Const: $13,200	PA&ED: $450 PS&E: $2,170 R/W Sup: $50 Con Sup: $2,320	18-19 20-21 20-21 21-22	PA&ED: 5/5/2020 R/W Cert: 10/8/2021 RTL: 11/8/2021 Begin Con: 5/17/2022
			Subtotal: $13,235	$4,990		
			Total Project Cost:	**$18,225**		
New			**Program Code** 201.321 Weigh Stations **Performance Measure** 1 Location(s)			
ROADSIDE PRESERVATION						
02-Tehama-Var 3627 0216000031	In Tehama, Lassen, Modoc, Plumas, Shasta, and Trinity Counties at various locations. Advance mitigation credit purchases for future SHOPP construction projects expected to impact sensitive habitats.	1H640 2018-19	R/W: $1,357 Const: $0	PA&ED: $0 PS&E: $0 R/W Sup: $100 Con Sup: $0	 Prior	PA&ED: 7/2/2018 R/W Cert: 9/14/2018 RTL: 9/14/2018 Begin Con: 10/15/2018
			Subtotal: $1,357	$100		
			Total Project Cost:	**$1,457**		
Carryover			**Program Code** 201.240 Roadside Enhancement **Performance Measure** 6 Location(s)			

2018 SHOPP Project List
Tehama
($1,000)

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

Tehama County

R/W:	$4,612	PA&ED:	$8,297
Const:	$69,849	PS&E:	$10,595
		R/W Sup:	$2,645
		Con Sup:	$14,982
Subtotal:	$74,461		$36,519
Total (Capital + Support):			**$110,980**

2018 SHOPP Project List
Trinity
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
02-Trinity-36 R34.7/R35.3 3653 0216000093	Near Platina, from 3.7 miles to 3.0 miles west of Hayfork Creek Bridge. Curve improvement.	2H050 2019-20	R/W: $52 Const: $5,280	PA&ED: $760 PS&E: $1,130 R/W Sup: $130 Con Sup: $1,680	Prior 18-19 18-19 19-20	PA&ED: 2/1/2019 R/W Cert: 2/4/2020 RTL: 2/18/2020 Begin Con: 7/15/2020
			Subtotal: $5,332	$3,700		
			Total Project Cost:	**$9,032**		
Carryover			**Program Code** 201.010 Safety Improvements **Performance Measure** 12 Collision(s) reduced			
02-Trinity-299 1.9/2.3 3557 0214000031	Near Salyer, from 0.1 mile east to 0.6 mile east of White House Gulch Road. Improve roadside clear recovery zone.	4G500 2019-20	R/W: $166 Const: $4,100	PA&ED: $550 PS&E: $1,655 R/W Sup: $70 Con Sup: $2,135	Prior 18-19 18-19 19-20	PA&ED: 4/27/2018 R/W Cert: 8/16/2019 RTL: 9/16/2019 Begin Con: 3/3/2020
			Subtotal: $4,266	$4,410		
			Total Project Cost:	**$8,676**		
Carryover			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 3 Collision(s) reduced			
02-Trinity-299 3555 0214000028	In Trinity County, on Route 299 and Route 3 at various locations; also in Shasta County on Route 299 at PM 0.1. Make worker safety improvements.	4G610 2018-19	R/W: $79 Const: $2,500	PA&ED: $425 PS&E: $745 R/W Sup: $160 Con Sup: $775	Prior Prior Prior 18-19	PA&ED: 11/9/2017 R/W Cert: 2/11/2019 RTL: 3/18/2019 Begin Con: 8/13/2019
			Subtotal: $2,579	$2,105		
			Total Project Cost:	**$4,684**		
Carryover			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 12 Location(s)			
02-Trinity-299 3.6 3559 0214000029	Near Salyer, at the Francis B. Matthews Safety Roadside Rest Area (SRRA). Upgrade potable water system and wastewater system.	4G620 2019-20	R/W: $0 Const: $2,300	PA&ED: $470 PS&E: $860 R/W Sup: $50 Con Sup: $590	Prior 18-19 Prior 19-20	PA&ED: 8/16/2018 R/W Cert: 7/1/2019 RTL: 8/15/2019 Begin Con: 4/8/2020
			Subtotal: $2,300	$1,970		
			Total Project Cost:	**$4,270**		
Carryover			**Program Code** 201.235 Roadside Safety Improvements/ Freeway Maintenance Access **Performance Measure** 1 Location(s)			

2018 SHOPP Project List
Trinity
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
MANDATES									
02-Trinity-299 64.7/71.7 3637 0216000049	Near Douglas City, at various locations from 1.2 miles east of Lewiston Road to 0.5 mile west of Shasta County line. Perform storm water mitigation improvements at sixteen locations to meet Statewide National Pollutant Discharge Eliminating System (NPDES) permit mandate goals.	1H700 2021-22	R/W: Const:	$345 $3,200	PA&ED: PS&E: R/W Sup: Con Sup:	$860 $1,200 $380 $1,100	18-19 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	9/8/2020 2/25/2022 3/28/2022 8/30/2022
			Subtotal:	$3,545		$3,540			
			Total Project Cost:			**$7,085**			
			Program Code	201.335 Storm Water Mitigation					
New			**Performance Measure**	108 Acre(s) treated/pollutant					
BRIDGE PRESERVATION									
02-Trinity-3 58.7/61.9 3485 0212000073	Near Trinity Center, from north of Preacher Meadows Road to north of El Dorado Way. Replace Swift Creek Bridge No. 05-0059.	4F220 2019-20	R/W: Const:	$820 $8,627	PA&ED: PS&E: R/W Sup: Con Sup:	$930 $1,680 $100 $2,090	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	1/17/2019 4/16/2020 5/21/2020 12/1/2020
			Subtotal:	$9,447		$4,800			
			Total Project Cost:			**$14,247**			
			Program Code	201.110 Bridge Major Rehabilitation					
Carryover			**Performance Measure**	1 Bridge(s)					
02-Trinity-3 3633 0216000045	In Trinity County, at Dobbins Gulch Bridge No. 05-0042 (PM 0.6), Stuart Fork Bridge No. 05 -0055 (PM 43.9) and Mule Creek Bridge No. 05 -0056 (PM 48.5); also on Route 299, at Grass Valley Creek Bridge No. 05-0013 (PM 65.5). Repair unsound concrete, replace bearings and joint seals, repair bridge decks, and install barrier and approach slabs.	1H500 2021-22	R/W: Const:	$206 $6,300	PA&ED: PS&E: R/W Sup: Con Sup:	$900 $1,030 $230 $2,060	Prior 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2020 1/21/2022 2/22/2022 8/9/2022
			Subtotal:	$6,506		$4,220			
			Total Project Cost:			**$10,726**			
			Program Code	201.119 Bridge Preventative Maintenance					
Carryover			**Performance Measure**	4 Bridge(s)					
02-Trinity-299 3516 0213000012	In Trinity County on Routes 299 and 36 and in Siskiyou County on Route 96 at various locations. Bridge preventative maintenance at 9 bridges.	4F600 2019-20	R/W: Const:	$40 $6,800	PA&ED: PS&E: R/W Sup: Con Sup:	$950 $1,400 $150 $1,910	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/28/2018 9/6/2019 9/13/2019 2/14/2020
			Subtotal:	$6,840		$4,410			
			Total Project Cost:			**$11,250**			
			Program Code	201.119 Bridge Preventative Maintenance					
Carryover			**Performance Measure**	9 Bridge(s)					

2018 SHOPP Project List
Trinity
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
02-Trinity-299 10.9/11.2 3579 0215000019	Near Burnt Ranch,from 0.4 mile east of Hennessey Road to 0.3 mile west of Burnt Ranch Road. Install rockfall drapery system.	0H410 2019-20	R/W: $22 Const: $2,079	PA&ED: $200 PS&E: $470 R/W Sup: $70 Con Sup: $500	Prior 18-19 18-19 19-20	PA&ED: 7/24/2018 R/W Cert: 9/4/2019 RTL: 10/11/2019 Begin Con: 2/13/2020
			Subtotal: $2,101	$1,240		
			Total Project Cost:	**$3,341**		
Carryover			**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 1 Location(s)			
02-Trinity-299 43.1/43.3 3592 0215000055	Near Junction City, at west of Canyon Creek Bridge. Install rockfall drapery system.	0H690 2019-20	R/W: $32 Const: $3,000	PA&ED: $330 PS&E: $580 R/W Sup: $200 Con Sup: $630	Prior 18-19 18-19 19-20	PA&ED: 7/24/2018 R/W Cert: 9/4/2019 RTL: 10/11/2019 Begin Con: 2/13/2020
			Subtotal: $3,032	$1,740		
			Total Project Cost:	**$4,772**		
Carryover			**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 1 Location(s)			
02-Trinity-3 30.0/T85.0 3586 0215000049	Near Trinity Center, from 0.9 miles south of Trinity River Bridge to Siskiyou County line at various locations. Drainage system restoration.	0H540 2019-20	R/W: $365 Const: $3,443	PA&ED: $1,390 PS&E: $850 R/W Sup: $1,450 Con Sup: $1,580	Prior 18-19 18-19 19-20	PA&ED: 9/1/2018 R/W Cert: 9/3/2019 RTL: 10/10/2019 Begin Con: 2/13/2020
			Subtotal: $3,808	$5,270		
			Total Project Cost:	**$9,078**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 35 Culvert(s) (ea)			
02-Trinity-299 1.6/45.2 3668 0217000012	Near Salyer, at various locations from 0.1 mile west of White House Gulch Road to 0.4 mile west of Slattery Pond Road. Rehabilitate culverts.	2H810 2021-22	R/W: $311 Const: $5,390	PA&ED: $930 PS&E: $980 R/W Sup: $330 Con Sup: $990	Prior 20-21 20-21 21-22	PA&ED: 6/3/2020 R/W Cert: 7/19/2021 RTL: 8/19/2021 Begin Con: 12/14/2021
			Subtotal: $5,701	$3,230		
			Total Project Cost:	**$8,931**		
Carryover			**Program Code** 201.151 Drainage System Restoration **Performance Measure** 18 Culvert(s) (ea)			

2018 SHOPP Project List
Trinity
($1,000)

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

Trinity County

R/W:	$2,438	PA&ED:	$8,695
Const:	$53,019	PS&E:	$12,580
		R/W Sup:	$3,320
		Con Sup:	$16,040
Subtotal:	$55,457		$40,635
Total (Capital + Support):			**$96,092**

2018 SHOPP Project List
Tulare
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
06-Tulare-63 6897 0615000191	On Route 63 and 137, near Visalia and Exter at various locations. Construct rumble strips.	0U040 2020-21	R/W: $5 Const: $1,713	PA&ED: $390 PS&E: $550 R/W Sup: $5 Con Sup: $500	Prior 19-20 19-20 20-21	PA&ED: 12/2/2019 R/W Cert: 9/1/2020 RTL: 10/14/2020 Begin Con: 5/26/2021
			Subtotal: $1,718	$1,445		
			Total Project Cost:	**$3,163**		
Carryover			**Program Code**	201.010 Safety Improvements		
			Performance Measure	25 Collision(s) reduced		
06-Tulare-190 R15.1/16.9 3032A 0618000088	Near Porterville, from west of Route 65 to S. Plano Road. Landscape mitigation.	0S311 2018-19	R/W: Const: $400	PA&ED: PS&E: $330 R/W Sup: Con Sup: $490	 18-19 18-19	PA&ED: 7/19/2016 R/W Cert: 10/2/2018 RTL: 11/2/2018 Begin Con: 5/3/2019
			Subtotal: $400	$820		
			Total Project Cost:	**$1,220**		
Carryover			**Program Code**	201.010 Safety Improvements		
			Performance Measure	0 Collision(s) reduced		
06-Tulare-65 17.5/22.0 6813 0616000028	In and near Porterville, from 0.4 mile north of Avenue 136 to 0.2 mile north of Linda Vista Avenue; also on Route 190, from 0.2 mile west of the Route 65/190 Separation to Blue Heron Parkway. Construct Maintenance Vehicle Pullouts (MVPs), gore paving, drainage improvements, new fencing and relocation of pullboxes and controller cabinets.	0U730 2020-21	R/W: $13 Const: $4,400	PA&ED: $610 PS&E: $940 R/W Sup: $18 Con Sup: $710	18-19 19-20 19-20 20-21	PA&ED: 7/15/2019 R/W Cert: 7/1/2020 RTL: 7/15/2020 Begin Con: 2/1/2021
			Subtotal: $4,413	$2,278		
			Total Project Cost:	**$6,691**		
New			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	29 Location(s)		
06-Tulare-99 22.3 6885 0616000035	Near Tipton, at the Philip S. Raine Safety Roadside Rest Area (SRRA). Upgrade water, sewer and irrigation facilities.	0U770 2021-22	R/W: $50 Const: $8,000	PA&ED: $550 PS&E: $1,750 R/W Sup: $12 Con Sup: $2,250	18-19 19-20 19-20 21-22	PA&ED: 7/18/2019 R/W Cert: 2/2/2021 RTL: 8/4/2021 Begin Con: 1/3/2022
			Subtotal: $8,050	$4,562		
			Total Project Cost:	**$12,612**		
New			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	2 Location(s)		

2018 SHOPP Project List
Tulare
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
06-Tulare-99 28.9/31.0 6700 0614000051	In Tulare, from north of Bardsley Avenue to north of Prosperity Avenue. Roadside safety improvements.	0R170 2018-19	R/W: Const: $2,700	PA&ED: $255 PS&E: $624 R/W Sup: $24 Con Sup: $430	Prior Prior Prior 18-19	PA&ED: 8/25/2017 R/W Cert: 2/1/2019 RTL: 3/1/2019 Begin Con: 8/1/2019
			Subtotal: $2,700	$1,333		
			Total Project Cost:	**$4,033**		
Carryover			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	26 Location(s)		
06-Tulare-99 51.6/52.2 6882 0616000220	Near Kingsburg, from 0.2 mile south to 0.4 mile north of Avenue 384 Overcrossing at the C. H. Warlow Safety Roadside Rest Area (SRRA). Upgrade water and wastewater systems to comply with Federal and State statutes and regulatory requirements.	0V760 2021-22	R/W: $170 Const: $4,241	PA&ED: $869 PS&E: $1,666 R/W Sup: $36 Con Sup: $1,705	18-19 19-20 19-20 21-22	PA&ED: 1/2/2020 R/W Cert: 3/21/2022 RTL: 3/25/2022 Begin Con: 9/1/2022
			Subtotal: $4,411	$4,276		
			Total Project Cost:	**$8,687**		
New			**Program Code**	201.235 Roadside Safety Improvements/ Freeway Maintenance Access		
			Performance Measure	1 Location(s)		

BRIDGE PRESERVATION

06-Tulare-99 19.4 6679 0614000005	In Tipton, at Avenue 152 Overcrossing (No. 46 -0191). Replace bridge.	0Q910 2019-20	R/W: $343 Const: $7,521	PA&ED: $453 PS&E: $1,730 R/W Sup: $54 Con Sup: $1,354	Prior Prior Prior 19-20	PA&ED: 2/1/2018 R/W Cert: 2/3/2020 RTL: 3/2/2020 Begin Con: 8/3/2020
			Subtotal: $7,864	$3,591		
			Total Project Cost:	**$11,455**		
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation		
			Performance Measure	1 Bridge(s)		
06-Tulare-245 1.4 6787 0615000293	Near Woodlake, at Yokohl Creek Bridge No. 46 -0011 (PM 1.39); also at Kaweah River Bridge No. 46-0073 (PM 4.19). Replace bridges to upgrade to current standards, facilitate bike lane shoulders, and upgrade guard railing.	0U280 2020-21	R/W: $395 Const: $12,100	PA&ED: $1,325 PS&E: $2,260 R/W Sup: $645 Con Sup: $1,940	Prior 19-20 19-20 20-21	PA&ED: 12/13/2019 R/W Cert: 4/15/2021 RTL: 4/26/2021 Begin Con: 10/5/2021
			Subtotal: $12,495	$6,170		
			Total Project Cost:	**$18,665**		
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation		
			Performance Measure	2 Bridge(s)		

2018 SHOPP Project List
Tulare
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
06-Tulare-99 6788 0615000295	In and near Pixley, at Avenue 48 Overcrossing (OC) No. 46-0165 (PM 6.2), Davis Avenue OC No. 46-0172 (PM 12.6), and Avenue 100 OC No. 46-0173 (PM 12.8). Upgrade bridge railing to current standards and install approach railings.	0U270 2020-21	R/W: Const:	$108 $2,120	PA&ED: PS&E: R/W Sup: Con Sup:	$740 $1,122 $30 $1,048	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	11/20/2019 1/15/2021 2/1/2021 10/15/2021
			Subtotal:	$2,228		$2,940			
			Total Project Cost:			**$5,168**			
			Program Code		201.112 Bridge Rail Replacement and Upgrade				
New			**Performance Measure**		1493.0 Linear feet				
06-Tulare-201 6521 0612000157	Near Kingsburg, on Route 201 at Sand Creek and Friant-Kern Canal Bridge; also on Route 216, at Kaweah River Bridge. Bridge rail replacement.	0H200 2018-19	R/W: Const:	$450 $9,371	PA&ED: PS&E: R/W Sup: Con Sup:	$1,728 $3,900 $617 $2,357	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	4/20/2015 6/21/2017 6/22/2017 1/21/2019
			Subtotal:	$9,821		$8,602			
			Total Project Cost:			**$18,423**			
			Program Code		201.112 Bridge Rail Replacement and Upgrade				
Carryover			**Performance Measure**		1188.0 Linear feet				
ROADWAY PRESERVATION									
06-Tulare-99 6795 0615000297	In Tulare, Fresno and Madera Counties, on Route 99 at various locations. Upgrade existing pumps and control systems at eleven pumping plants.	0U230 2019-20	R/W: Const:	$65 $5,140	PA&ED: PS&E: R/W Sup: Con Sup:	$650 $2,060 $620 $2,230	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/13/2018 11/8/2019 11/20/2019 5/11/2020
			Subtotal:	$5,205		$5,560			
			Total Project Cost:			**$10,765**			
			Program Code		201.151 Drainage System Restoration				
Carryover			**Performance Measure**		11 Culvert(s) (ea)				
06-Tulare-190 34.7/39.7 6286 0616000194	Between Springville and Camp Nelson, from east of Balch Park Road to west of Wishon Drive. Replace deteriorated culverts and upgrade existing Guardrail.	0H140 2019-20	R/W: Const:	$246 $2,850	PA&ED: PS&E: R/W Sup: Con Sup:	$800 $950 $210 $800	Prior Prior Prior 19-20	PA&ED: R/W Cert: RTL: Begin Con:	11/17/2018 3/1/2020 3/15/2020 2/1/2021
			Subtotal:	$3,096		$2,760			
			Total Project Cost:			**$5,856**			
			Program Code		201.151 Drainage System Restoration				
Carryover			**Performance Measure**		17 Culvert(s) (ea)				

2018 SHOPP Project List
Tulare
($1,000)

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

Tulare County

R/W:	$1,845	PA&ED:	$8,370
Const:	$60,556	PS&E:	$17,882
		R/W Sup:	$2,271
		Con Sup:	$15,814
Subtotal:	$62,401		$44,337
Total (Capital + Support):			**$106,738**

2018 SHOPP Project List
Tuolumne
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
COLLISION REDUCTION						
10-Tuolumne-108 L1.3/53.3 3234 1017000025	At various locations, from Sonora to Dardanelle; also on Route 49 in Sonora (PM 17.4 to 17.6) and in Stanislaus County on Route 108 in and near Riverbank (PM 28.5 to 33.4). Upgrade guardrail to make standard.	1C400 2021-22	R/W: $173 Const: $3,087	PA&ED: $634 PS&E: $972 R/W Sup: $11 Con Sup: $554	18-19 20-21 20-21 21-22	PA&ED: 11/2/2020 R/W Cert: 10/18/2021 RTL: 11/30/2021 Begin Con: 7/1/2022
			Subtotal: $3,260	$2,171		
			Total Project Cost:	**$5,431**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 31 Collision(s) reduced			
ROADWAY PRESERVATION						
10-Tuolumne-108 R18.9/38.8 0157 1013000266	Near Long Barn, from 0.1 mile east of the east junction of Long Barn Road to 2.3 miles east of Cow Creek Road. Pavement rehabilitation.	46210 2020-21	R/W: $88 Const: $17,970	PA&ED: $687 PS&E: $1,152 R/W Sup: $8 Con Sup: $2,092	Prior 19-20 19-20 20-21	PA&ED: 10/1/2019 R/W Cert: 12/1/2020 RTL: 1/1/2021 Begin Con: 7/15/2021
			Subtotal: $18,058	$3,939		
			Total Project Cost:	**$21,997**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 51.6 Lane mile(s)			
10-Tuolumne-120 32.7/R56.5 0335 1013000254	Near Buck Meadows, from Elder Lane to Yosemite National Park boundary. Pavement rehabilitation.	0E960 2018-19	R/W: $6 Const: $20,520	PA&ED: $931 PS&E: $1,070 R/W Sup: $55 Con Sup: $2,793	Prior Prior Prior 18-19	PA&ED: 3/3/2018 R/W Cert: 11/7/2018 RTL: 12/7/2018 Begin Con: 7/10/2019
			Subtotal: $20,526	$4,849		
			Total Project Cost:	**$25,375**		
Carryover			**Program Code** 201.121 Pavement Rehabilitation (CAPM) **Performance Measure** 2.0 Lane mile(s)			
10-Tuolumne-108 32.3/34.6 3137 1015000007	Near Strawberry, from east of Old Strawberry Road to west of Beardsley Road. Rockfall mitigation at four locations.	0Y800 2018-19	R/W: $43 Const: $2,628	PA&ED: $750 PS&E: $625 R/W Sup: $75 Con Sup: $560	Prior Prior Prior 18-19	PA&ED: 11/1/2017 R/W Cert: 12/31/2018 RTL: 1/15/2019 Begin Con: 8/30/2019
			Subtotal: $2,671	$2,010		
			Total Project Cost:	**$4,681**		
Carryover			**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 4 Location(s)			

2018 SHOPP Project List
Tuolumne
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
10-Tuolumne-120 48.8 3136 1015000006	Near Haden Flat, east of Cherry Lake Road. Stabilize slope erosion.	0Y790 2018-19	R/W: Const:	$6 $1,200	PA&ED: PS&E: R/W Sup: Con Sup:	$650 $493 $48 $363	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	9/1/2017 12/1/2018 1/15/2019 6/26/2019
			Subtotal:	$1,206		$1,554			
			Total Project Cost:			**$2,760**			

Program Code 201.150 Roadway Protective Betterments

Carryover

Performance Measure 1 Location(s)

Tuolumne County

R/W:	$316	PA&ED:	$3,652
Const:	$45,405	PS&E:	$4,312
		R/W Sup:	$197
		Con Sup:	$6,362
Subtotal:	$45,721		$14,523
Total (Capital + Support):			**$60,244**

2018 SHOPP Project List
Ventura
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
07-Ventura-1 4.0/4.2 4930 0715000286	In Ventura County, south of Point Mugu State Park (PM 4.0) and Sycamore Canyon Road (PM 4.2). Construct secant walls at two locations as a permanent slope restoration solution to stabilize the slope and prevent continued erosion. Two previous Director Orders: EA 07 -4X370 and EA 07-4X760 were executed to remove slide material and repair embankment, roadway and drainage systems.	31820 2019-20	R/W: $766 Const: $27,179	PA&ED: $1,200 PS&E: $1,900 R/W Sup: $100 Con Sup: $2,600	Prior 18-19 18-19 19-20	PA&ED: 9/28/2018 R/W Cert: 9/3/2019 RTL: 12/16/2019 Begin Con: 7/16/2020
			Subtotal: $27,945	$5,800		
			Total Project Cost:	**$33,745**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 2 Location(s)			
07-Ventura-1 4.5/4.6 5181 0716000312	Near Point Mugu State Park, at Big Sycamore Creek No. 52-0011. Shoreline embankment restoration by replacing Rock Slope Protection (RSP), constructing seawalls and secant retaining wall, and upgrade guardrail.	33350 2021-22	R/W: $442 Const: $11,099	PA&ED: $2,300 PS&E: $3,240 R/W Sup: $1,000 Con Sup: $3,880	Prior 19-20 19-20 21-22	PA&ED: 7/1/2019 R/W Cert: 7/1/2021 RTL: 8/2/2021 Begin Con: 3/2/2022
			Subtotal: $11,541	$10,420		
			Total Project Cost:	**$21,961**		
Carryover			**Program Code** 201.131 Permanent Restoration **Performance Measure** 1 Location(s)			
07-Ventura-118 12.0/13.2 5294 0717000333	Near Moorpark, from Sand Canyon Road to Balcom Canyon Road. Permanent restoration of slope damage by constructing retaining wall, paving shoulder, and placing Rock Slope Protection (RSP).	34290 2020-21	R/W: $353 Const: $5,402	PA&ED: $850 PS&E: $3,000 R/W Sup: $175 Con Sup: $2,000	18-19 19-20 19-20 20-21	PA&ED: 8/1/2019 R/W Cert: 9/1/2020 RTL: 1/4/2021 Begin Con: 8/2/2021
			Subtotal: $5,755	$6,025		
			Total Project Cost:	**$11,780**		
New			**Program Code** 201.131 Permanent Restoration **Performance Measure** 1 Location(s)			
COLLISION REDUCTION						
07-Ventura-33 18.9/19.1 5145 0716000257	Near Ojai, north of North Fork Matilija Creek Bridge No. 52-450. Widen the roadway by 4 feet, upgrade rock block barrier, and place High Friction Surface Treatment (HFST).	33230 2021-22	R/W: $64 Const: $3,080	PA&ED: $660 PS&E: $1,460 R/W Sup: $40 Con Sup: $1,550	18-19 20-21 20-21 21-22	PA&ED: 3/30/2021 R/W Cert: 11/15/2021 RTL: 12/15/2021 Begin Con: 7/10/2022
			Subtotal: $3,144	$3,710		
			Total Project Cost:	**$6,854**		
New			**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 29 Collision(s) reduced			

2018 SHOPP Project List
Ventura
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
07-Ventura-101 0.0/R38.9 5231 0717000108	In and near various cities, at various locations, from 0.2 mile south of Lakeview Canyon Road to Hobson Road Undercrossing. Upgrade guardrails, end treatments, and bridge connections, and add vegetation control under guardrails. Remove and replace dikes.	33900 2021-22	R/W: Const:	$80 $6,470	PA&ED: PS&E: R/W Sup: Con Sup:	$950 $2,800 $35 $2,000	18-19 19-20 21-22 21-22	PA&ED: R/W Cert: RTL: Begin Con:	9/30/2019 8/23/2021 10/4/2021 5/5/2022
			Subtotal:	$6,550		$5,785			
			Total Project Cost:			**$12,335**			
New			**Program Code**		201.015	Collision Severity Reduction			
			Performance Measure		345	Collision(s) reduced			
07-Ventura-101 0.9/R39.2 5082 0716000225	In and near various cities, at various locations, from 0.2 mile north of Westlake Boulevard to0.3 mile north of Hobson Road. Upgrade guardrails, end treatments, and bridge connections, and add vegetation control under guardrails. Remove and replace dikes.	33110 2021-22	R/W: Const:	$29 $9,776	PA&ED: PS&E: R/W Sup: Con Sup:	$392 $1,733 $20 $1,750	18-19 18-19 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	9/30/2019 8/23/2021 10/4/2021 5/5/2020
			Subtotal:	$9,805		$3,895			
			Total Project Cost:			**$13,700**			
New			**Program Code**		201.015	Collision Severity Reduction			
			Performance Measure		93	Collision(s) reduced			
07-Ventura-101 0.0/11.1 5030 0716000086	In and near Thousand Oaks, from Los Angeles County line to 0.3 mile north of Camarillo Springs Road. Construct access trails and Maintenance Vehicle Pullouts (MVPs), relocate irrigation facilities, install access gates, railings and breakaway post sleeves, pave gore, narrow and slope areas.	32560 2020-21	R/W: Const:	$20 $4,915	PA&ED: PS&E: R/W Sup: Con Sup:	$514 $1,523 $46 $2,117	18-19 19-20 20-21 20-21	PA&ED: R/W Cert: RTL: Begin Con:	10/1/2019 10/1/2020 12/1/2020 7/1/2021
			Subtotal:	$4,935		$4,200			
			Total Project Cost:			**$9,135**			
New			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		94	Location(s)			
07-Ventura-118 R24.1/R29.7 4894 0715000210	In Simi Valley, from First Street to Yosemite Street. Construct Maintenance Vehicle Pullouts (MVPs) and access roads, pave gore areas, install smart irrigation controllers and access gates. Plant vines at bridge wingwalls.	31650 2018-19	R/W: Const:	$10 $3,250	PA&ED: PS&E: R/W Sup: Con Sup:	$677 $1,369 $39 $1,292	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/26/2017 11/15/2018 2/1/2019 10/1/2019
			Subtotal:	$3,260		$3,377			
			Total Project Cost:			**$6,637**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		100	Location(s)			

2018 SHOPP Project List
Ventura
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MANDATES						
07-Ventura-1 0.0/28.5 5012 0716000067	In Ventura County, at various locations; also on Route 101 (PM 22.0/43.6), Route 34 (PM 4.3/17.7) and Route 150 (PM 2.5/34.4). Construct and install stormwater treatment Best Management Practices (BMPs) Including biofiltration swales, gross solid removal devices and Austin Vault Sand Filters.	32270 2021-22	R/W: $126 Const: $10,340 Subtotal: $10,466	PA&ED: $2,500 PS&E: $2,650 R/W Sup: $40 Con Sup: $3,750 $8,940	18-19 20-21 20-21 21-22	PA&ED: 7/2/2020 R/W Cert: 11/1/2021 RTL: 12/15/2021 Begin Con: 7/5/2022
			Total Project Cost:	**$19,406**		
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 90.6 Acre(s) treated/pollutant			
07-Ventura-101 27.5/31.0 4813 0715000009	In the city of Ventura, from south of Seaward Avenue to Ventura River. Stabilize soil and erosion control.	31130 2018-19	R/W: $20 Const: $1,823 Subtotal: $1,843	PA&ED: $95 PS&E: $1,196 R/W Sup: $24 Con Sup: $959 $2,274	Prior Prior Prior 18-19	PA&ED: 6/9/2017 R/W Cert: 10/5/2018 RTL: 12/14/2018 Begin Con: 6/19/2019
			Total Project Cost:	**$4,117**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 22.5 Acre(s) treated/pollutant			
07-Ventura-118 1.2/1.8 5204 0716000375	Near the city of Ventura, from County Drive to Santa Clara River. Construct stormwater treatment Best Management Practices (BMPs) infiltration basin.	33600 2021-22	R/W: $10 Const: $6,011 Subtotal: $6,021	PA&ED: $950 PS&E: $1,961 R/W Sup: $44 Con Sup: $1,680 $4,635	18-19 19-20 19-20 21-22	PA&ED: 12/30/2019 R/W Cert: 7/15/2021 RTL: 9/15/2021 Begin Con: 4/15/2022
			Total Project Cost:	**$10,656**		
New			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 42 Acre(s) treated/pollutant			
07-Ventura-126 R10.2/R12.7 4815 0715000012	In Santa Paula, from Peck Road to Santa Paula Creek. Stabilize soil and install irrigation system.	31150 2018-19	R/W: $30 Const: $2,431 Subtotal: $2,461	PA&ED: $130 PS&E: $916 R/W Sup: $102 Con Sup: $1,379 $2,527	Prior Prior Prior 18-19	PA&ED: 6/28/2017 R/W Cert: 10/1/2018 RTL: 11/30/2018 Begin Con: 7/8/2019
			Total Project Cost:	**$4,988**		
Carryover			**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 22.5 Acre(s) treated/pollutant			

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
07-Ventura-33 6.5/12.8 5010 0716000062	Near Ventura and Ojai, from north of Sycamore Drive to Fairview Road. Construct and upgrade curb ramps, sidewalks and driveways to meet current Americans with Disabilities Act (ADA) Standards.	32320 2021-22	R/W: Const:	$4,141 $6,481	PA&ED: PS&E: R/W Sup: Con Sup:	$980 $4,620 $1,100 $3,798	18-19 18-19 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	9/3/2019 11/1/2021 12/15/2021 7/15/2022
			Subtotal:	$10,622		$10,498			
			Total Project Cost:			**$21,120**			
New			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	64 Curb ramp(s)					
07-Ventura-118 0.5/T18.8 5233 0717000119	In and near Ventura and Moorpark, from North Route 126 Junction to 0.3 mile west of Princeton Avenue. Reconstruct curb ramps, construct new sidewalks, install Accessible Pedestrian Signals (APS) and upgrade thermoplastic pavement marking crosswalks.	33920 2021-22	R/W: Const:	$2,941 $3,944	PA&ED: PS&E: R/W Sup: Con Sup:	$1,000 $2,000 $1,624 $1,500	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	3/15/2020 3/1/2022 3/15/2022 8/15/2022
			Subtotal:	$6,885		$6,124			
			Total Project Cost:			**$13,009**			
New			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	93 Curb ramp(s)					
07-Ventura-150 16.6/34.4 4746 0714000179	In and near cities of Ojal and Santa Paula, from Route 33 to Route 126. Construct and upgrade curb ramps and sidewalks to comply with Americans with Disabilities Act (ADA) Standards.	30670 2019-20	R/W: Const:	$556 $4,549	PA&ED: PS&E: R/W Sup: Con Sup:	$908 $1,000 $100 $1,000	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	7/2/2018 5/1/2019 3/30/2020 10/1/2020
			Subtotal:	$5,105		$3,008			
			Total Project Cost:			**$8,113**			
Carryover			**Program Code**	201.361 Americans with Disabilities Act New Curb Ramps					
			Performance Measure	134 Curb ramp(s)					
BRIDGE PRESERVATION									
07-Ventura-1 21.5 4972 0716000025	Near the city of Ventura, at Ventura Overhead No. 52-0040. Replace corroded steel spans of bridge and upgrade bridge railing to current standards.	31960 2021-22	R/W: Const:	$983 $3,565	PA&ED: PS&E: R/W Sup: Con Sup:	$1,200 $2,500 $540 $1,650	Prior 18-19 18-19 21-22	PA&ED: R/W Cert: RTL: Begin Con:	12/14/2018 11/15/2021 12/15/2021 8/15/2022
			Subtotal:	$4,548		$5,890			
			Total Project Cost:			**$10,438**			
Carryover			**Program Code**	201.110 Bridge Major Rehabilitation					
			Performance Measure	1 Bridge(s)					

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
07-Ventura-33 7.6 4496 0712000083	Near Oak View, at San Antonio Creek Bridge No. 52-0065. Scour mitigation and bridge rail upgrade.	29130 2018-19	R/W: Const:	$2,750 $2,460	PA&ED: PS&E: R/W Sup: Con Sup:	$1,640 $1,112 $600 $1,460	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/30/2017 1/4/2019 1/25/2019 9/6/2019
			Subtotal:	$5,210		$4,812			
			Total Project Cost:			**$10,022**			
Carryover			**Program Code**	201.111 Bridge Scour Mitigation					
			Performance Measure	1 Bridge(s)					
07-Ventura-1 28.2 4601 0713000099	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 2020-21	R/W: Const:	$818 $2,657	PA&ED: PS&E: R/W Sup: Con Sup:	$958 $2,300 $465 $2,000	Prior 20-21 20-21 20-21	PA&ED: R/W Cert: RTL: Begin Con:	11/5/2018 11/1/2020 12/1/2020 7/2/2021
			Subtotal:	$3,475		$5,723			
			Total Project Cost:			**$9,198**			
Carryover			**Program Code**	201.112 Bridge Rail Replacement and Upgrade					
			Performance Measure	724.0 Linear feet					
07-Ventura-33 16.1 5008 0716000060	Near Ojai, at North Fork Matilija Creek No. 52 -0173. Paint steel portion of bridge and replace missing rivets of bottom flanges for preventative maintenance to preserve and extend the life of bridge.	32300 2021-22	R/W: Const:	$30 $660	PA&ED: PS&E: R/W Sup: Con Sup:	$320 $850 $50 $620	Prior 18-19 18-19 21-22	PA&ED: R/W Cert: RTL: Begin Con:	12/15/2018 9/1/2021 10/31/2021 6/2/2022
			Subtotal:	$690		$1,840			
			Total Project Cost:			**$2,530**			
Carryover			**Program Code**	201.119 Bridge Preventative Maintenance					
			Performance Measure	1 Bridge(s)					
ROADWAY PRESERVATION									
07-Ventura-1 21.3/27.1 5018 0716000072	In the city of Ventura, from North 101 Junction - Solimar Undercrossing to Hobson County Park Road. Cold plane and overlay pavement, upgrade guardrail/end treatment, install traffic signs and crosswalks.	32390 2021-22	R/W: Const:	$14 $10,200	PA&ED: PS&E: R/W Sup: Con Sup:	$625 $1,850 $60 $3,350	19-20 20-21 20-21 21-22	PA&ED: R/W Cert: RTL: Begin Con:	7/15/2020 11/1/2021 12/15/2021 8/5/2022
			Subtotal:	$10,214		$5,885			
			Total Project Cost:			**$16,099**			
New			**Program Code**	201.121 Pavement Rehabilitation (CAPM)					
			Performance Measure	11.7 Lane mile(s)					

2018 SHOPP Project List
Ventura
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
07-Ventura-150 R13.3/19.0 5014 0716000069	In and near Ojai, Mira Monte and Meiners Oaks, from Burham Road to Gorham Road; also on Route 33 from 33/150 Junction to Meiners Road. Cold plane and overlay pavement, upgrade guardrail and signs.	32370 2020-21	R/W: Const:	$221 $5,588	PA&ED: PS&E: R/W Sup: Con Sup:	$600 $1,500 $250 $1,700	18-19 19-20 19-20 20-21	PA&ED: R/W Cert: RTL: Begin Con:	9/3/2019 8/5/2020 10/5/2020 4/8/2021
			Subtotal:	$5,809		$4,050			
			Total Project Cost:			**$9,859**			
New			**Program Code**		201.121 Pavement Rehabilitation (CAPM)				
			Performance Measure		15.6 Lane mile(s)				
07-Ventura-23 R3.3/R11.5 4688 0713000479	In and near cities of Thousand Oaks and Moorpark, from Route 101 to Route 118. Rehabilitate pavement.	30250 2018-19	R/W: Const:	$860 $92,445	PA&ED: PS&E: R/W Sup: Con Sup:	$889 $7,500 $100 $17,000	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	9/29/2017 5/15/2019 6/14/2019 7/9/2020
			Subtotal:	$93,305		$25,489			
			Total Project Cost:			**$118,794**			
Carryover			**Program Code**		201.122 Roadway Rehabilitation (2R)				
			Performance Measure		57.0 Lane mile(s)				
07-Ventura-101 R36.7/R40.3 4687 0713000488	Near Sea Cliff, from Padre Juan Canyon Road Overcrossing to Punta Gorda Pedestrian Undercrossing. Rehabilitate roadway.	30240 2019-20	R/W: Const:	$70 $19,270	PA&ED: PS&E: R/W Sup: Con Sup:	$100 $1,700 $200 $2,100	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/21/2018 2/11/2019 2/14/2020 8/28/2020
			Subtotal:	$19,340		$4,100			
			Total Project Cost:			**$23,440**			
Carryover			**Program Code**		201.122 Roadway Rehabilitation (2R)				
			Performance Measure		21.6 Lane mile(s)				
MOBILITY									
07-Ventura-101 9.0/9.2 5081 0716000220	In Thousand Oaks and Camarillo, from Wendy Drive to Pleasant Valle Road, at the northbound and southbound Commercial Vehicle Enforcement Facilities. Replace concrete slabs and repair and replace asphalt concrete.	33100 2020-21	R/W: Const:	$8 $2,006	PA&ED: PS&E: R/W Sup: Con Sup:	 $1,550 $20 $850	 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	6/29/2016 6/15/2020 8/10/2020 3/10/2021
			Subtotal:	$2,014		$2,420			
			Total Project Cost:			**$4,434**			
New			**Program Code**		201.321 Weigh Stations				
			Performance Measure		2 Location(s)				

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
07-Ventura-118 13.3/15.6 5255 0717000194	In and near Moorepark, at the eastbound and westbound Commercial Vehicle Enforcement Facilities. Construct new modular office facility and install overhead truck scale on/off message signs.	34160 2021-22	R/W: Const:	$44 $1,150	PA&ED: PS&E: R/W Sup: Con Sup:	$300 $800 $16 $400	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	8/18/2019 8/1/2021 10/15/2021 5/1/2022
			Subtotal:	$1,194		$1,516			
			Total Project Cost:			**$2,710**			
			Program Code		201.321 Weigh Stations				
New			**Performance Measure**		2 Location(s)				

Ventura County

R/W:	$15,386	PA&ED:	$20,738
Const:	$246,751	PS&E:	$53,030
		R/W Sup:	$6,790
		Con Sup:	$62,385
Subtotal:	$262,137		$142,943
Total (Capital + Support):			**$405,080**

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
03-Yolo-16 4.0 8668 0318000002	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 2018-19	R/W: $55 Const: $1,800	PA&ED: $500 PS&E: $550 R/W Sup: $80 Con Sup: $220	Prior 18-19 18-19 18-19	PA&ED: 9/3/2018 R/W Cert: 6/9/2019 RTL: 6/14/2019 Begin Con: 12/1/2019
			Subtotal: $1,855	$1,350		
			Total Project Cost:	**$3,205**		
Carryover			**Program Code**	201.131 Permanent Restoration		
			Performance Measure	1 Location(s)		
03-Yolo-84 13.3/15.7 9058 0317000114	Near West Sacramento, from 3.7 miles north of Clarksburg Road to Levee Access Road. Permanent restoration of damaged pavement and supporting levee embankment.	2H460 2019-20	R/W: $7,200 Const: $51,950	PA&ED: $2,080 PS&E: $1,930 R/W Sup: $990 Con Sup: $5,890	Prior 18-19 18-19 19-20	PA&ED: 8/15/2018 R/W Cert: 12/1/2019 RTL: 1/1/2020 Begin Con: 9/1/2020
			Subtotal: $59,150	$10,890		
			Total Project Cost:	**$70,040**		
Carryover			**Program Code**	201.131 Permanent Restoration		
			Performance Measure	1 Location(s)		
COLLISION REDUCTION						
03-Yolo-16 20.5/31.6 8655A 0314000272	Near Cadenasso, from 0.4 mile west of County Road 79 to 0.4 mile east of County Road 79; also from Esparto to 0.2 mile west of Route 505. Shoulder widening, curve correction, left-turn channelization, signalization and two-way left-turn lanes.	0C472 2018-19	R/W: $7,989 Const: $19,390	PA&ED: PS&E: $2,570 R/W Sup: $2,500 Con Sup: $4,850	 Prior Prior 18-19	PA&ED: 6/24/2015 R/W Cert: 12/12/2017 RTL: 1/15/2018 Begin Con: 5/16/2018
			Subtotal: $27,379	$9,920		
			Total Project Cost:	**$37,299**		
Carryover			**Program Code**	201.010 Safety Improvements		
			Performance Measure	330 Collision(s) reduced		
03-Yolo-16 25.2/28.3 8663 0314000063	Near Capay, from Capay Canal Bridge to County Road 85; also in Esparto from Orleans Street to County Road 21A (PM 27.5/28.3). Improve pedestrian safety and operations for bicycles and motorists.	4F170 2018-19	R/W: $408 Const: $1,492	PA&ED: $380 PS&E: $490 R/W Sup: $140 Con Sup: $390	Prior Prior Prior 18-19	PA&ED: 12/1/2017 R/W Cert: 11/15/2018 RTL: 12/1/2018 Begin Con: 6/1/2019
			Subtotal: $1,900	$1,400		
			Total Project Cost:	**$3,300**		
Carryover			**Program Code**	201.015 Collision Severity Reduction		
			Performance Measure	29 Collision(s) reduced		

2018 SHOPP Project List
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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-Yolo-5 0.4/R28.9 8572 0314000300	In and near Woodland, from the Sacramento County line to Colusa County line. Improvements to reduce maintenance worker exposure.	4F830 2018-19	R/W: Const:	$10 $1,940	PA&ED: PS&E: R/W Sup: Con Sup:	$240 $400 $20 $420	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	10/10/2017 9/1/2018 11/1/2018 5/15/2019
			Subtotal:	$1,950		$1,080			
			Total Project Cost:			**$3,030**			
Carryover			**Program Code**		201.235	Roadside Safety Improvements/ Freeway Maintenance Access			
			Performance Measure		32	Location(s)			

MANDATES

03-Yolo-5 R6.5/R17.6 5833 0312000072	In and near Woodland, from East Main Street to County Road 13 at various locations. Upgrade Americans with Disabilities Act (ADA) facilities.	3F140 2018-19	R/W: Const:	 $410	PA&ED: PS&E: R/W Sup: Con Sup:	$110 $140 $30 $170	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	12/1/2017 8/1/2018 8/15/2018 1/3/2019
			Subtotal:	$410		$450			
			Total Project Cost:			**$860**			
Carryover			**Program Code**		201.361	Americans with Disabilities Act New Curb Ramps			
			Performance Measure		23	Curb ramp(s)			

BRIDGE PRESERVATION

03-Yolo-80 R11.3 8901 0300000075	In West Sacramento, at the Sacramento River Bridge and Overhead No. 22-0026L/R. Rehabilitate bridge.	0F250 2019-20	R/W: Const:	$482 $32,760	PA&ED: PS&E: R/W Sup: Con Sup:	$990 $1,550 $75 $3,640	Prior 18-19 18-19 19-20	PA&ED: R/W Cert: RTL: Begin Con:	9/1/2018 3/1/2020 4/1/2020 10/1/2020
			Subtotal:	$33,242		$6,255			
			Total Project Cost:			**$39,497**			
Carryover			**Program Code**		201.110	Bridge Major Rehabilitation			
			Performance Measure		2	Bridge(s)			
03-Yolo-505 0.0/0.2 9504 0317000113	Near Winters, at Putah Creek Bridge No. 22 -0072L/R, from Solano County line to 0.4 mile south of Route 128; also in Solano County, from 0.3 mile south to the Yolo County line (PM R10.3 to R10.6). Seismic retrofit of two parallel bridges.	2H450 2021-22	R/W: Const:	$215 $13,960	PA&ED: PS&E: R/W Sup: Con Sup:	$941 $1,755 $371 $2,662	18-19 19-20 19-20 21-22	PA&ED: R/W Cert: RTL: Begin Con:	2/1/2020 3/1/2022 3/15/2022 7/15/2022
			Subtotal:	$14,175		$5,729			
			Total Project Cost:			**$19,904**			
New			**Program Code**		201.113	Bridge Seismic Restoration			
			Performance Measure		2	Bridge(s)			

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Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
03-Yolo-5 5869 0317000349	Near Woodland, at County Road 96 Overcrossing (OC) No. 22-0155 (PM R14.27), County Road 95 OC No. 22-0156 (PM R15.85), and Zamora OC No. 22-0157 (PM R17.62); also in Colusa County, in and near Williams at E Street OC No. 15-0067 (PM R17.98) and Lurline Avenue OC No. 15-0075 (PM R22.74). Establish standard vertical clearance. ACCELERATED BRIDGE (PA&ED Only)	3H391 2019-20	* R/W: $620 * Const: $15,700 Subtotal: $16,320	PA&ED: $1,700 * PS&E: $1,570 * R/W Sup: $430 * Con Sup: $2,470 $6,170	Prior 19-20 19-20 19-20	PA&ED: 2/1/2019 R/W Cert: 4/1/2020 RTL: 4/15/2020 Begin Con: 9/15/2020
Carryover			**Total Project Cost:**	**$22,490**		
			** Const, * R/W, * PS&E, * R/W Sup, * Con Sup phase(s) are NOT authorized*			
			Program Code	201.322 Trans Permit Requirements for Bridges		
			Performance Measure	5 Bridge(s)		
03-Yolo-5 4.4/R28.9 8563 0317000031	Near Woodland, at Wye Line Road Overcrossing (OC) No. 22-0158 (PM 4.49), County Road 6 OC No. 22-0138 (PM R25.57), County Line Road OC No. 22-0139 (R28.92). Establish standard vertical clearance. ACCELERATED BRIDGE (PA&ED Only)	0F760 2020-21	* R/W: $655 * Const: $11,032 Subtotal: $11,687	PA&ED: $744 * PS&E: $1,885 * R/W Sup: $98 * Con Sup: $3,901 $6,628	Prior 20-21 20-21 20-21	PA&ED: 10/1/2019 R/W Cert: 3/1/2021 RTL: 4/1/2021 Begin Con: 10/1/2021
Carryover			**Total Project Cost:**	**$18,315**		
			** Const, * R/W, * PS&E, * R/W Sup, * Con Sup phase(s) are NOT authorized*			
			Program Code	201.322 Trans Permit Requirements for Bridges		
			Performance Measure	3 Bridge(s)		
MOBILITY						
03-Yolo-5 8571 0315000165	In various counties, on various routes at various locations. Repair and install permanent Automatic Vehicle Classification (AVC) truck data collection stations.	0H410 2018-19	R/W: $80 Const: $9,400 Subtotal: $9,480	PA&ED: $1,000 PS&E: $1,000 R/W Sup: $190 Con Sup: $1,900 $4,090	Prior Prior Prior 18-19	PA&ED: 1/1/2018 R/W Cert: 9/1/2018 RTL: 10/1/2018 Begin Con: 3/1/2019
Carryover			**Total Project Cost:**	**$13,570**		
			Program Code	201.315 Transportation Management Systems		
			Performance Measure	69 Field element(s)		

Yolo County

R/W:	$17,714	PA&ED:	$8,685
Const:	$159,834	PS&E:	$13,840
		R/W Sup:	$4,924
		Con Sup:	$26,513
Subtotal:	$177,548		$53,962
Total (Capital + Support):			**$231,510**

2018 SHOPP Project List
Yuba
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
COLLISION REDUCTION									
03-Yuba-70 16.2/25.8 9819 0314000153	Near Marysville, from Laurellen Road to South Honcut Creek Bridge. Widen shoulders and improve clear recovery zone.	4F380 2019-20	R/W:	$9,858	PA&ED:	$3,906	Prior	PA&ED:	3/1/2018
			Const:	$70,735	PS&E:	$4,884	Prior	R/W Cert:	5/5/2020
					R/W Sup:	$6,227	Prior	RTL:	5/20/2020
					Con Sup:	$9,030	19-20	Begin Con:	11/20/2020
			Subtotal:	$80,593		$24,047			
			Total Project Cost:			**$104,640**			
			Program Code	201.010 Safety Improvements					
Carryover			**Performance Measure**	80 Collision(s) reduced					
03-Yuba-20 R18.0/20.3 9590 0313000020	Near Smartsville, from the Yuba River Bridge to east of Smartsville Road. Realign and widen roadway.	3F510 2018-19	R/W:	$2,750	PA&ED:	$4,700	Prior	PA&ED:	9/1/2017
			Const:	$48,500	PS&E:	$3,500	Prior	R/W Cert:	4/16/2019
					R/W Sup:	$1,000	Prior	RTL:	5/1/2019
					Con Sup:	$6,871	18-19	Begin Con:	12/1/2019
			Subtotal:	$51,250		$16,071			
			Total Project Cost:			**$67,321**			
			Program Code	201.015 Collision Severity Reduction					
Carryover			**Performance Measure**	20 Collision(s) reduced					
03-Yuba-70 R11.0/13.6 9821 0315000201	Near Linda and Marysville, from 0.3 mile south of Feather River Boulevard to Yuba River Bridge. Install concrete median barrier.	0H510 2018-19	R/W:	$10	PA&ED:	$350	Prior	PA&ED:	8/27/2017
			Const:	$5,200	PS&E:	$500	Prior	R/W Cert:	9/15/2018
					R/W Sup:	$40	Prior	RTL:	10/15/2018
					Con Sup:	$590	18-19	Begin Con:	4/1/2019
			Subtotal:	$5,210		$1,480			
			Total Project Cost:			**$6,690**			
			Program Code	201.015 Collision Severity Reduction					
Carryover			**Performance Measure**	3 Collision(s) reduced					
BRIDGE PRESERVATION									
03-Yuba-20 0.1 8140 0313000033	In Marysville, at the Feather River Bridge No. 18-009. Scour mitigation and retrofit piers.	3F560 2020-21	R/W:	$1,887	PA&ED:	$1,240	Prior	PA&ED:	2/1/2019
			Const:	$26,441	PS&E:	$2,700	20-21	R/W Cert:	3/1/2021
					R/W Sup:	$200	20-21	RTL:	4/1/2021
					Con Sup:	$4,100	20-21	Begin Con:	7/1/2021
			Subtotal:	$28,328		$8,240			
			Total Project Cost:			**$36,568**			
			Program Code	201.111 Bridge Scour Mitigation					
Carryover			**Performance Measure**	1 Bridge(s)					

2018 SHOPP Project List
Yuba
($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital		Support		COS Allocation FY	Milestones	
03-Yuba-70 15.5/16.5 9812 0312000068	Near Marysville, from 0.1 mile north of Binney Junction Underpass to 0.3 mile north of Laurellen Road, at Simmerly Slough Bridge No. 16-0019. Replace bridge.	1E060 2018-19	R/W: Const:	$3,800 $68,500	PA&ED: PS&E: R/W Sup: Con Sup:	$1,600 $3,050 $750 $5,200	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	6/21/2017 5/1/2019 6/1/2019 12/1/2019
			Subtotal:	$72,300		$10,600			
			Total Project Cost:			**$82,900**			
Carryover			**Program Code**		201.111 Bridge Scour Mitigation				
			Performance Measure		1 Bridge(s)				

ROADWAY PRESERVATION

03-Yuba-20 8.0/10.2 9587 0300020594	Near Marysville, from 0.1 mile east of Loma Rica Road to 0.2 mile west of Spring Valley Road. Rehabilitate roadway.	2F320 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	PA&ED: R/W Cert: RTL: Begin Con:	6/13/2016 3/1/2018 3/15/2018 1/2/2019
			Subtotal:	$12,100		$5,320			
			Total Project Cost:			**$17,420**			
Carryover			**Program Code**		201.120 Roadway Rehabilitation (3R)				
			Performance Measure		4.4 Lane mile(s)				
03-Yuba-20 13.3/R17.8 9579 0300020593	Near Marysville, from Marysville Road to Yuba River (Parks Bar) Bridge. Rehabilitate roadway.	0A570 2018-19	R/W: Const:	$9,400 $38,100	PA&ED: PS&E: R/W Sup: Con Sup:	$3,700 $2,210 $2,300 $6,900	Prior Prior Prior 18-19	PA&ED: R/W Cert: RTL: Begin Con:	8/1/2017 4/1/2019 4/15/2019 12/29/2019
			Subtotal:	$47,500		$15,110			
			Total Project Cost:			**$62,610**			
Carryover			**Program Code**		201.120 Roadway Rehabilitation (3R)				
			Performance Measure		9.9 Lane mile(s)				
03-Yuba-70 14.9/15.6 9820 0315000082	In and near Marysville, from 14th Street to Cemetery Road. Roadway rehabilitation.	0H160 2020-21	R/W: Const:	$5,000 $85,000	PA&ED: PS&E: R/W Sup: Con Sup:	$3,000 $3,500 $2,500 $5,500	Prior 18-19 18-19 20-21	PA&ED: R/W Cert: RTL: Begin Con:	1/2/2019 9/18/2020 10/2/2020 3/26/2021
			Subtotal:	$90,000		$14,500			
			Total Project Cost:			**$104,500**			
Carryover			**Program Code**		201.120 Roadway Rehabilitation (3R)				
			Performance Measure		5.0 Lane mile(s)				

2018 SHOPP Project List
Yuba

($1,000)

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

Yuba County

R/W:	$34,105	PA&ED:	$19,656
Const:	$353,176	PS&E:	$21,954
		R/W Sup:	$13,967
		Con Sup:	$39,791
Subtotal:	$387,281		$95,368
Total (Capital + Support):			**$482,649**

2018 SHOPP Project List
Yuba

($1,000)

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

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Long Lead Project List

SHOPP Long Lead projects, which require more than four years to develop due to complex environmental and preliminary engineering work.

2018 SHOPP Long Lead Project List

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MAJOR DAMAGE RESTORATION						
01-Del Norte-101 12.0/15.5 1112 0115000099	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. Note: 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.	0F280 2030-31	* R/W: $75 Const:	* PA&ED: $10,000 PS&E: R/W Sup: Con Sup:	Prior 25-26 25-26 30-31	PA&ED: 2/16/2026 R/W Cert: 7/1/2030 RTL: 9/2/2030 Begin Con: 10/14/2031
			Subtotal: $75	$10,000		
			Total Project Cost:	**$10,075**		
			** R/W, * PA&ED phase(s) is authorized* *Approximate project estimates: PA&ED $52,600,000, R/W $89,600,000, Con $1,610,000,000.*			
Carryover Long Lead			**Program Code**	201.131 Permanent Restoration		
			Performance Measure	1 Location(s)		
BRIDGE PRESERVATION						
01-Humboldt-96 12.3 2432 0116000029	Near Hoopa, at Trinity River Bridge No. 04 -0137. Upgrade bridge rails, widen for pedestrian access, and strengthen for truck permit load capacity.	0F600 2022-23	R/W: $1,576 Const: $29,764	* PA&ED: $2,621 PS&E: $2,895 R/W Sup: $1,138 Con Sup: $3,287	18-19 21-22 21-22 22-23	PA&ED: 12/27/2021 R/W Cert: 12/27/2022 RTL: 2/1/2023 Begin Con: 9/1/2023
			Subtotal: $31,340	$9,941		
			Total Project Cost:	**$41,281**		
			** PA&ED phase(s) is authorized*			
New Long Lead	Note: Complexity of environmental studies and lengthy coordination with environmental agencies is anticipated.		**Program Code**	201.112 Bridge Rail Replacement and Upgrade		
			Performance Measure	1328 Linear Feet		
01-Humboldt-96 22.9 2423 0115000114	Near Weitchpec, at Klamath River Bridge No. 04-0144. Seismically retrofit bridge, upgrade bridge rails, and provide shoulders and pedestrian access.	0F350 2022-23	R/W: $138 Const: $34,640	* PA&ED: $2,434 PS&E: $2,648 R/W Sup: $342 Con Sup: $6,931	18-19 19-20 19-20 22-23	PA&ED: 4/25/2020 R/W Cert: 7/7/2022 RTL: 8/23/2022 Begin Con: 1/12/2023
			Subtotal: $34,778	$12,355		
			Total Project Cost:	**$47,133**		
			** PA&ED phase(s) is authorized*			
New Long Lead	Note: Complexity of alternatives and presence of cultural resources, additional design changes and mitigations require extensive environmental consultations and clearances.		**Program Code**	201.113 Bridge Seismic Restoration		
			Performance Measure	1 Bridge(s)		
01-Humboldt-101 M53.9 2301B 0116000148	In Rio Dell, at Eel River Bridge No. 04-0016R. Seismic retrofit.	0A111 2022-23	R/W: $44 Const: $26,813	* PA&ED: $5,433 PS&E: $5,113 R/W Sup: $216 Con Sup: $4,632	Prior 20-21 20-21 22-23	PA&ED: 5/1/2021 R/W Cert: 8/1/2022 RTL: 8/1/2022 Begin Con: 1/1/2023
			Subtotal: $26,857	$15,394		
			Total Project Cost:	**$42,251**		
			** PA&ED phase(s) is authorized*			
Carryover Long Lead	Note: Complexity and duration of environmental consultation and permitting due to endangered species.		**Program Code**	201.113 Bridge Seismic Restoration		
			Performance Measure	1 Bridge(s)		

2018 SHOPP Long Lead Project List

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MANDATES						
09-Inyo-395 117.3/117.8 2641 0916000021	Near Bishop, from North See Vee Lane to North Barlow Lane. Upgrade Americans with Disabilities Act (ADA) curb ramps, driveways, and pedestrian push buttons, refresh striping, relocate signals, and improve pedestrian and bicycle access.	36680 2023-24	R/W: $6,378 Const: $9,901	* PA&ED: $1,530 PS&E: $3,340 R/W Sup: $1,670 Con Sup: $2,190	18-19 20-21 20-21 23-24	PA&ED: 10/1/2020 R/W Cert: 10/2/2023 RTL: 11/20/2023 Begin Con: 6/19/2024
			Subtotal: $16,279	$8,730		
			Total Project Cost:	**$25,009**		
			** PA&ED phase(s) is authorized*			
New Long Lead	Note: Potential R/W acquisition difficulties may delay schedule and increase cost.		**Program Code** 201.361 Americans with Disabilities Act New Curb Ramps **Performance Measure** 15 Curb Ramp(s)			
ROADWAY PRESERVATION						
06-Kern-119 28.2/31.3 6805 0616000222	Near Bakersfield, from 0.1 miles east of Ashe Road to Route 99 Separation. Rehabilitate roadway including reconstruction of travel lanes with Jointed Plain Concrete Pavement (JPCP), widen intersections and shoulders to meet current standards, add bicycle lanes, median lane to accommodate two-way turning, install drainage inlets and stormwater basin, sidewalks and upgrade ADA ramps to current standards.	0V610 2023-24	R/W: $14,200 Const: $26,500	* PA&ED: $3,200 PS&E: $2,500 R/W Sup: $6,300 Con Sup: $4,600	Prior 20-21 20-21 23-24	PA&ED: 9/1/2020 R/W Cert: 9/1/2023 RTL: 10/2/2023 Begin Con: 3/1/2024
			Subtotal: $40,700	$16,600		
			Total Project Cost:	**$57,300**		
			** PA&ED phase(s) is authorized*			
Carryover Long Lead	Note: Project involves 70 affected parcels. Permits may be delayed if property owners are unresponsive.		**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 10.0 Lane Mile(s)			
BRIDGE PRESERVATION						
01-Mendocino-101 9.2/9.9 4526 0116000001	Near Hopland, from 0.1 mile south to 0.3 mile north of Russian River Bridge No. 10-0082 (PM 9.24). Bridge seismic and rail upgrade and widen for standard shoulders with partial or complete structure replacement.	0A130 2022-23	R/W: $600 Const: $44,499	* PA&ED: $1,176 PS&E: $1,953 R/W Sup: $165 Con Sup: $9,351	18-19 21-22 21-22 22-23	PA&ED: 10/1/2021 R/W Cert: 1/15/2023 RTL: 2/1/2023 Begin Con: 8/1/2023
			Subtotal: $45,099	$12,645		
			Total Project Cost:	**$57,744**		
			** PA&ED phase(s) is authorized*			
New Long Lead	Note: Lengthy railroad coordination, environmental and geotechnical challenges.		**Program Code** 201.113 Bridge Seismic Restoration **Performance Measure** 1 Bridge(s)			
COLLISION REDUCTION						
09-Mono-395 69.9/71.9 2639 0917000014	Near Bridgeport, from north of Route 270 Junction to Green Creek Road. Widen shoulders to eight feet, install rumble strips, improve sight distance, and upgrade signing and striping to current standards.	36940 2023-24	R/W: $471 Const: $7,623	* PA&ED: $1,300 PS&E: $1,240 R/W Sup: $590 Con Sup: $2,330	18-19 20-21 20-21 23-24	PA&ED: 4/1/2021 R/W Cert: 4/18/2023 RTL: 7/14/2023 Begin Con: 1/23/2024
			Subtotal: $8,094	$5,460		
			Total Project Cost:	**$13,554**		
			** PA&ED phase(s) is authorized*			
New Long Lead	Note: Inadequate suitable area for environmental mitigation plant reestablishment.		**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 54 Collisions Reduced			

2018 SHOPP Long Lead Project List

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
09-Mono-395 91.6/93.4 2460 0917000011	Near Bridgeport, from Burcham Flat Road to 0.3 mile south of Route 395/108 Junction. Widen shoulders, install rumble strips, and correct superelevation at three curves.	36800 2022-23	R/W: $1,855 Const: $12,567	* PA&ED: $1,395 PS&E: $1,764 R/W Sup: $395 Con Sup: $2,084	18-19 20-21 20-21 22-23	PA&ED: 6/1/2021 R/W Cert: 6/8/2023 RTL: 6/8/2023 Begin Con: 12/14/2023
			Subtotal: $14,422	$5,638		
			Total Project Cost:	**$20,060**		
			** PA&ED phase(s) is authorized*			
New Long Lead	Note: Potential requirement of 404 permit.		**Program Code** 201.015 Collision Severity Reduction **Performance Measure** 55 Collisions Reduced			
BRIDGE PRESERVATION						
05-Monterey-1 20.9/21.3 2524 0514000004	Near Lucia from 0.1 mile south to 0.2 mile north of Limekiln Creek Bridge No. 44-0058. Replace bridge.	1F510 2024-25	R/W: $704 Const: $64,644	* PA&ED: $3,500 PS&E: $0 R/W Sup: $416 Con Sup: $13,865	Prior 21-22 21-22 24-25	PA&ED: 12/2/2021 R/W Cert: 3/5/2025 RTL: 4/3/2025 Begin Con:
			Subtotal: $65,348	$17,781		
			Total Project Cost:	**$83,129**		
			** PA&ED phase(s) is authorized*			
Carryover Long Lead	Note: Potential R/W concerns relating to a State Park and complexity and duration of environmental studies.		**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
05-Monterey-1 63.0 2696 0516000163	Near Carmel-by-the-Sea, at the Garrapata Creek Bridge No. 44-0018. Replace bridge railing to meet current traffic safety standards.	1H800 2022-23	R/W: $5 Const: $3,000	* PA&ED: $1,600 PS&E: $1,900 R/W Sup: $130 Con Sup: $1,300	18-19 20-21 20-21 22-23	PA&ED: 4/2/2021 R/W Cert: 10/21/2022 RTL: 2/14/2023 Begin Con:
			Subtotal: $3,005	$4,930		
			Total Project Cost:	**$7,935**		
			** PA&ED phase(s) is authorized*			
New Long Lead	Note: Due to the complexity and duration of environmental studies, including a Coastal Development Permit.		**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 603 Linear Feet			
ROADWAY PRESERVATION						
05-Monterey-1 18.5/18.7 3030 0516000047	Near Lucia, north of Mill Creek Bridge. Stabilize highway segment caused by erosion.	0P300 2024-25	R/W: $100 Const: $9,402	* PA&ED: $2,376 PS&E: $2,748 R/W Sup: $185 Con Sup: $4,400	18-19 21-22 21-22 24-25	PA&ED: 9/1/2021 R/W Cert: 12/1/2024 RTL: 1/2/2025 Begin Con: 6/1/2025
			Subtotal: $9,502	$9,709		
			Total Project Cost:	**$19,211**		
			** PA&ED phase(s) is authorized*			
New Long Lead	Note: 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.		**Program Code** 201.150 Roadway Protective Betterments **Performance Measure** 1 Location(s)			

2018 SHOPP Long Lead Project List

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
BRIDGE PRESERVATION						
04-Napa-29 28.4/29.3 1462K 0416000375	In St. Helena, at Sulphur Creek Bridge No. 21 -0016 and York Creek Bridge No. 21-0017. Upgrade bridge rails.	2K150 2022-23	R/W: $748 Const: $4,188	* PA&ED: $1,040 PS&E: $800 R/W Sup: $500 Con Sup: $800	18-19 20-21 20-21 22-23	PA&ED: 3/1/2021 R/W Cert: 1/3/2023 RTL: 4/3/2023 Begin Con: 10/2/2023
			Subtotal: $4,936	$3,140		
			Total Project Cost:	**$8,076**		
			** PA&ED phase(s) is authorized*			
New Long Lead	Note: Complexity and duration of environmental and right of way issues due to fish passage permitting and potential condemnation.		**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 328 Linear Feet			
BRIDGE PRESERVATION						
03-Sacramento-5 23.6/24.3 5863 0316000190	In the city of Sacramento, at the West End Viaduct No. 24-0069L/R. Improve to standard truck capacity.	1H610 2023-24	R/W: $900 Const: $120,000	* PA&ED: $5,700 PS&E: $5,800 R/W Sup: $400 Con Sup: $24,000	Prior 19-20 19-20 23-24	PA&ED: 4/2/2020 R/W Cert: 7/14/2023 RTL: 9/1/2023 Begin Con: 3/6/2024
			Subtotal: $120,900	$35,900		
			Total Project Cost:	**$156,800**		
			** PA&ED phase(s) is authorized*			
Carryover Long Lead	Note: Schedule risk due to railroad coordination, land acquisitions, hazardous material, public input, and environmental permitting.		**Program Code** 201.322 Trans Permit Requirements for Bridges **Performance Measure** 2 Bridge(s)			
BRIDGE PRESERVATION						
08-San Bernardino-40 153.9/154.7 3001S 0812000067	Near Needles, from Park Moabi Road to Topock Road at the Colorado River Bridge No. 54 -0415. Bridge rehabilitation and/or replacement. Caltrans will be the lead agency and will share half of all costs with ADOT as indicated via a signed Letter of Intent.	0R380 2023-24	R/W: $169 Const: $28,800	* PA&ED: $2,650 PS&E: $3,759 R/W Sup: $431 Con Sup: $8,332	Prior 20-21 20-21 23-24	PA&ED: 2/1/2021 R/W Cert: 2/1/2023 RTL: 8/15/2023 Begin Con: 4/15/2024
			Subtotal: $28,969	$15,172		
			Total Project Cost:	**$44,141**		
			** PA&ED phase(s) is authorized*			
Carryover Long Lead	Note: Complexity of environmental and geotechnical investigations. Extensive coordination required with Arizona resource agencies.		**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
MANDATES						
11-San Diego-76 29.3/29.6 1195 1115000179	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.	42220 2023-24	R/W: $303 Const: $14,300	* PA&ED: $2,244 PS&E: $3,680 R/W Sup: $262 Con Sup: $4,073	18-19 23-24 23-24 23-24	PA&ED: 5/31/2022 R/W Cert: 3/13/2024 RTL: 4/18/2024 Begin Con: 11/7/2024
			Subtotal: $14,603	$10,259		
			Total Project Cost:	**$24,862**		
			** PA&ED phase(s) is authorized*			
New Long Lead	Note: Extensive coordination with external agencies and extensive hydrological and environmental studies.		**Program Code** 201.335 Storm Water Mitigation **Performance Measure** 140.0 Acres Treated/Pollutant			

2018 SHOPP Long Lead Project List

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
BRIDGE PRESERVATION						
11-San Diego-75 R20.5/R22.0 1065 1112000071	In the city of San Diego and Coronado from San Diego-Coronado Bay Bridge to the Route 75/5 Connector Overcrossing. Bridge rehabilitation.	40940 TBD	R/W: Const:	* PA&ED: $2,593 PS&E: R/W Sup: Con Sup:	Prior 18-19 18-19 TBD	PA&ED: 6/29/2018 R/W Cert: TBD RTL: TBD Begin Con: TBD
			Subtotal: $0	$2,593		
			Total Project Cost:	**$2,593**		
			** PA&ED phase(s) is authorized*			
Carryover *Long Lead*	Note: Extensive studies using most current seismological and geotechnical models are needed to evaluate the existing bridge piles.		**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			
11-San Diego-163 1.6/2.8 1276 1117000171	In the city of San Diego, at various locations from Quince Street Overcrossing Bridge No. 57 -0216K to Washington Street Overcrossing Bridge No. 57-0220. Replace bridge rail within Cabrillo Freeway Historic District.	43013 2024-25	R/W: $256 Const: $9,473	* PA&ED: $4,740 PS&E: $2,409 R/W Sup: $212 Con Sup: $3,633	18-19 22-23 22-23 24-25	PA&ED: 7/29/2022 R/W Cert: 1/16/2025 RTL: 3/7/2025 Begin Con: 7/11/2025
			Subtotal: $9,729	$10,994		
			Total Project Cost:	**$20,723**		
			** PA&ED phase(s) is authorized*			
New *Long Lead*	Note: Extensive environmental studies are needed because all bridge locations are within a Historic District.		**Program Code** 201.112 Bridge Rail Replacement and Upgrade **Performance Measure** 1959 Linear Feet			
BRIDGE PRESERVATION						
10-San Joaquin-5 26.5 3133 1012000259	In Stockton, at the Stockton Channel Viaduct Bridge No. 29-0176L/R. Bridge rehabilitation to address structural and load carrying capacity deficiencies.	0X460 TBD	R/W: $0 Const: $815,000	* PA&ED: $4,169 PS&E: R/W Sup: Con Sup:	Prior 20-21 20-21 TBD	PA&ED: 10/30/2020 R/W Cert: RTL: 9/30/2024 Begin Con: 5/30/2025
			Subtotal: $815,000	$4,169		
			Total Project Cost:	**$819,169**		
			** PA&ED phase(s) is authorized*			
Carryover *Long Lead*	Note: Due to the complexity of project longer design time are anticipated.		**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 2 Bridge(s)			
BRIDGE PRESERVATION						
05-San Luis Obispo-1 0.0/0.3 2650 0516000074	Near Guadalupe, at the Santa Maria River Bridge No. 49-0042; also in Santa Barbara County (PM 50.3/50.6). The bridge is scour critical and needs to be replaced. The existing bridge will be used for traffic handling during construction and then demolished. The highway will need to be realigned as a result of the new bridge location. The new bridge will provide standard lane and shoulder widths and include a protected walkway.	1H440 2022-23	R/W: $530 Const: $28,461	* PA&ED: $2,294 PS&E: $4,290 R/W Sup: $455 Con Sup: $9,660	Prior 19-20 19-20 22-23	PA&ED: 3/1/2020 R/W Cert: 9/1/2022 RTL: 10/1/2022 Begin Con:
			Subtotal: $28,991	$16,699		
			Total Project Cost:	**$45,690**		
			** PA&ED phase(s) is authorized*			
Carryover *Long Lead*	Note: Complexity and duration of environmental studies.		**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 1 Bridge(s)			

2018 SHOPP Long Lead Project List

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
MANDATES						
04-San Mateo-82 12.9/15.9 0730D 0400020619	In Burlingame, Hillsborough, and Millbrae, from Barroilhet Avenue to Millbrae Avenue. Upgrade curb ramps and sidewalks to ADA standards.	1G900 2022-23	R/W: $844 Const: $9,120	* PA&ED: $3,320 PS&E: $1,200 R/W Sup: $700 Con Sup: $1,000	Prior 20-21 20-21 22-23	PA&ED: 8/1/2020 R/W Cert: 2/1/2023 RTL: 2/1/2023 Begin Con: 9/1/2023
			Subtotal: $9,964	$6,220		
			Total Project Cost:	**$16,184**		
			** PA&ED phase(s) is authorized*			
Carryover Long Lead	Note: Complex environmental studies due to presence of historic resource (Tree Rows), and public opposition to potential tree removal.		**Program Code**	201.378	Americans with Disabilities Act Pedestrian Infrastructure	
			Performance Measure	82	Curb Ramp(s)	
ROADWAY PRESERVATION						
04-San Mateo-82 12.3/15.8 1496J 0416000142	In the cities of San Mateo and Burlingame, from East Santa Inez Avenue to Murchison Drive. Rehabilitate roadway, improve drainage, and upgrade existing curb ramps and sidewalks to ADA standards.	0K810 2023-24	R/W: $2,215 Const: $86,061	* PA&ED: $8,181 PS&E: $8,181 R/W Sup: $4,091 Con Sup: $12,270	Prior 21-22 21-22 23-24	PA&ED: 11/1/2021 R/W Cert: 11/1/2023 RTL: 2/1/2024 Begin Con: 8/1/2024
			Subtotal: $88,276	$32,723		
			Total Project Cost:	**$120,999**		
			** PA&ED phase(s) is authorized*			
Carryover Long Lead	Note: Presence of historic trees, potential to disturb nesting birds, public opposition to tree removal, complexity and duration of environmental studies.		**Program Code**	201.120	Roadway Rehabilitation (3R)	
			Performance Measure	15.2	Lane Mile(s)	
COLLISION REDUCTION						
05-Santa Barbara-1 R35.0/49.2 2667 0516000097	Near Santa Maria, from 0.2 mile north of Route 135 Junction to Route 166 Junction. Widen shoulders, install rumble strips, upgrade guardrails and relocate objects from within the clear recovery zone.	1H610 2023-24	R/W: $4,053 Const: $15,401	* PA&ED: $1,736 PS&E: $1,942 R/W Sup: $1,237 Con Sup: $4,379	18-19 20-21 20-21 23-24	PA&ED: 4/13/2021 R/W Cert: 7/14/2023 RTL: 7/14/2023 Begin Con: 2/22/2024
			Subtotal: $19,454	$9,294		
			Total Project Cost:	**$28,748**		
			** PA&ED phase(s) is authorized*			
New Long Lead	Note: Complex environmental studies will be required due to endangered species existing within project limits.		**Program Code**	201.015	Collision Severity Reduction	
			Performance Measure	103	Collisions Reduced	
BRIDGE PRESERVATION						
05-Santa Barbara-101 R36.6 2448 0513000018	Near Goleta, at Refugio Road Undercrossing No. 51-0215L/R. Replace bridges.	1C950 2022-23	R/W: $20 Const: $34,640	* PA&ED: $2,200 PS&E: $0 R/W Sup: $100 Con Sup: $0	Prior 19-20 19-20 22-23	PA&ED: 4/3/2020 R/W Cert: 12/21/2022 RTL: 2/21/2023 Begin Con:
			Subtotal: $34,660	$2,300		
			Total Project Cost:	**$36,960**		
			** PA&ED phase(s) is authorized*			
Carryover Long Lead	Note: Complexity and duration of environmental studies.		**Program Code**	201.110	Bridge Major Rehabilitation	
			Performance Measure	2	Bridge(s)	

2018 SHOPP Long Lead Project List

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
02-Shasta-299 R7.6/18.3 3680 0217000083	In and near the town of Shasta, from west of Crystal Creek Road to Trinity Alley. Roadway rehabilitation.	3H310 2024-25	R/W: $6,269 Const: $69,236	* PA&ED: $4,130 PS&E: $5,110 R/W Sup: $490 Con Sup: $6,820	Prior 21-22 21-22 24-25	PA&ED: 5/2/2022 R/W Cert: 6/21/2024 RTL: 7/22/2024 Begin Con: 3/4/2025
			Subtotal: $75,505	$16,550		
			Total Project Cost:	**$92,055**		
			** PA&ED phase(s) is authorized*			
Carryover Long Lead	Note: Complex environmental studies due to impacts to 70 known cultural resources, biological sites and consultation with over 20 resource agencies.		**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 14.4 Lane Mile(s)			
BRIDGE PRESERVATION						
02-Siskiyou-96 R7.9/R9.4 3622 0216000035	Near Somes Bar, from 0.6 mile east to 1.3 miles east of Irving Creek Bridge at Stanshaw Creek (PM R8.2); also, from 1.6 miles east of Irving Creek Bridge to 1.6 miles west of Ti Creek Bridge at Sandy Bar Creek (PM 9.1). Replace deteriorated large-diameter culverts with natural-bottom structures, reduce fish passage barriers, and adjust new approaches.	1H780 2023-24	R/W: $37 Const: $16,830	* PA&ED: $1,910 PS&E: $2,730 R/W Sup: $170 Con Sup: $4,660	18-19 21-22 21-22 23-24	PA&ED: 10/1/2021 R/W Cert: 1/19/2024 RTL: 2/20/2024 Begin Con: 8/27/2024
			Subtotal: $16,867	$9,470		
			Total Project Cost:	**$26,337**		
			** PA&ED phase(s) is authorized*			
Carryover Long Lead	Note: Complexity and duration of environmental studies, and consultation with numerous agencies.		**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 2 Bridge(s)			
02-Siskiyou-96 43.4/57.0 3620 0216000025	Near Happy Camp, from 0.9 mile west to 0.4 mile west of Gordons Ferry Road at Cade Creek (PM 43.4 to 43.8); also, near Seiad Valley at Portuguese Creek (PM 57.0). Replace deteriorated large-diameter culverts with natural-bottom structures, reduce fish passage barriers, and adjust new approaches.	1H590 2023-24	R/W: $48 Const: $6,760	* PA&ED: $1,720 PS&E: $2,740 R/W Sup: $160 Con Sup: $2,840	18-19 21-22 21-22 23-24	PA&ED: 9/7/2021 R/W Cert: 12/29/2023 RTL: 1/29/2024 Begin Con: 7/2/2024
			Subtotal: $6,808	$7,460		
			Total Project Cost:	**$14,268**		
			** PA&ED phase(s) is authorized*			
Carryover Long Lead	Note: Complexity and duration of environmental studies, and consultation with numerous agencies.		**Program Code** 201.110 Bridge Major Rehabilitation **Performance Measure** 2 Bridge(s)			
02-Siskiyou-96 76.8/78.0 3629 0216000040	Near Horse Creek, at Horse Creek Bridge No. 02-0117, from 0.4 mile west of Klamath River Bridge to 2.0 miles west of Kohl Creek. Replace bridge on new alignment to correct scour critical conditions, improve safety, and reduce operational deficiencies.	1H360 2023-24	R/W: $993 Const: $19,760	* PA&ED: $2,640 PS&E: $2,810 R/W Sup: $830 Con Sup: $4,300	18-19 21-22 21-22 23-24	PA&ED: 9/1/2021 R/W Cert: 3/1/2023 RTL: 10/1/2023 Begin Con: 4/27/2024
			Subtotal: $20,753	$10,580		
			Total Project Cost:	**$31,333**		
			** PA&ED phase(s) is authorized*			
Carryover Long Lead	Note: Environmental approval requires 36 months due to Section 7 formal consultation with NOAA.		**Program Code** 201.111 Bridge Scour Mitigation **Performance Measure** 1 Bridge(s)			

2018 SHOPP Long Lead Project List

($1,000)

Dist- Co-Rte Post Mile PPNO EFIS	Location/Description	EA Prog Year	Capital	Support	COS Allocation FY	Milestones
ROADWAY PRESERVATION						
03-Yolo-80 4.3/R11.4 8784 0314000233	In and near West Sacramento, from east of Mace Boulevard to Sacramento River Bridge; also on Route 50, from Route 80 to Jefferson Boulevard Overcrossing (PM 0.0/2.5). Rehabilitate pavement by placing Continuous Reinforced Concrete, rehabilitate bridge decks, median widening at three locations, upgrade bridge railings, and construct an auxiliary lane.	4F650 2023-24	R/W: $866 Const: $277,665	* PA&ED: $10,337 PS&E: $18,186 R/W Sup: $4,928 Con Sup: $31,323	18-19 21-22 21-22 23-24	PA&ED: 1/1/2022 R/W Cert: 12/1/2023 RTL: 2/1/2024 Begin Con: 11/1/2024
			Subtotal: $278,531	$64,774		
			Total Project Cost:	**$343,305**		
			** PA&ED phase(s) is authorized*			
New Long Lead	Note: Lengthy railroad coordination, potential utility conflicts. Removal of oleander could result in negative public reaction and could impact classified landscape freeway status.		**Program Code** 201.120 Roadway Rehabilitation (3R) **Performance Measure** 48.4 Lane Mile(s)			

2018 SHOPP Long Lead Project List

($1,000)

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

EXHIBIT H: Pre 2018 SHOPP projects

Pre 2018 SHOPP Projects

Projects allocated in prior SHOPP documents currently in construction.

Index No.	Project ID	Dist	EA	PPNO	CCA Date	Program
01	1214000057	12	0N540	5011A	07/01/2018	Major Damage
02	1212000057	12	0H225	4096N	07/01/2018	Mobility
03	0712000108	07	29220	4504	07/02/2018	Safety
04	0712000107	07	29210	4503	07/02/2018	Safety
05	0714000223	07	30790	4774	07/02/2018	Pavement
06	0112000128	01	0B440	2342	07/04/2018	Major Damage
07	0714000101	07	30550	4728	07/05/2018	Safety
08	0812000026	08	0R120	0207J	07/05/2018	Safety
09	0417000305	04	4K390	1457B	07/05/2018	Major Damage
010	0812000336	08	1C610	0028C	07/05/2018	Mandates
011	0812000331	08	1C560	0186F	07/05/2018	Mandates
012	0712000100	07	27600	4173	07/05/2018	Mandates
013	0700020869	07	20211	4137	07/06/2018	Pavement
014	0712000030	07	29010	4489	07/06/2018	Safety
015	0700000517	07	27490	4151	07/06/2018	Mandates
016	0700000524	07	27590	4172	07/06/2018	Mandates
017	0712000216	07	29340	4550	07/09/2018	Safety
018	0713000013	07	29470	4583	07/09/2018	Pavement
019	0814000184	08	0G842	3001G	07/09/2018	Roadside Preservation
020	0714000151	07	30620	4736	07/10/2018	Pavement
021	1215000081	12	0N821	2200B	07/10/2018	Mobility
022	1214000108	12	0N780	2530G	07/10/2018	Mobility
023	1214000110	12	0N800	2864B	07/10/2018	Mobility
024	1212000058	12	0H226	4928B	07/10/2018	Mobility
025	0417000311	04	4K450	1457H	07/11/2018	Major Damage
026	0417000312	04	4K460	1457J	07/11/2018	Major Damage
027	0417000314	04	4K480	1457M	07/11/2018	Major Damage
028	0812000335	08	1C600	0234V	07/13/2018	Mandates
029	0712000068	07	29110	4493	07/13/2018	Mandates
030	0200000288	02	37890	3090	07/15/2018	Bridge
031	0400000482	04	1A290	0756F	07/15/2018	Bridge
032	0314000163	03	4F440	5847	07/15/2018	Mobility
033	1200000211	12	0H270	3184	07/15/2018	Drainage
034	0316000079	03	1H260	4295	07/15/2018	Major Damage
035	1012000313	10	0X560	3011	07/16/2018	Safety
036	0500000857	05	0T540	2285	07/16/2018	Safety
037	0812000337	08	1C620	0098F	07/16/2018	Mandates
038	0813000139	08	1E050	0050N	07/16/2018	Safety
039	0814000115	08	1E860	0014M	07/20/2018	Pavement
040	0713000149	07	29740	4614	07/20/2018	Safety
041	1100020258	11	40450	0905	07/25/2018	Mobility
042	0713000398	07	3X021	4656	07/25/2018	Major Damage

Index No.	Project ID	Dist	EA	PPNO	CCA Date	Program
043	0214000063	02	4G820	3567	07/27/2018	Pavement
044	0715000132	07	3X711	4859	07/30/2018	Major Damage
045	0713000486	07	30210	4684	07/31/2018	Pavement
046	0714000244	07	30600	4733	07/31/2018	Roadway Preservation
047	0612000136	06	0E350	1772	07/31/2018	Safety
048	0413000125	04	4G970	0481F	07/31/2018	Safety
049	0700020935	07	28740	4414	07/31/2018	Safety
050	0712000034	07	29040	4490	07/31/2018	Mandates
051	0516000146	05	1H730	2683	08/01/2018	Major Damage
052	0616000129	06	0V300	6792	08/01/2018	Safety
053	0615000048	06	0S470	6730	08/01/2018	Pavement
054	1200000217	12	0H440	4051	08/01/2018	Mandates
055	0116000189	01	0G450	4651	08/01/2018	Major Damage
056	0112000114	01	0B300	1080	08/01/2018	Major Damage
057	0615000119	06	0T950	6804	08/01/2018	Safety
058	0516000165	05	1H820	2698	08/02/2018	Safety
059	1112000206	11	41490	1070	08/07/2018	Mobility
060	0700021033	07	28730	4406	08/16/2018	Mandates
061	0700020899	07	28710	4391	08/30/2018	Safety
062	0713000333	07	3X950	4575	08/30/2018	Major Damage
063	1013000049	10	40160	0126	08/30/2018	Pavement
064	0900020055	09	35080	0604	09/01/2018	Safety
065	0112000112	01	0B280	1078	09/01/2018	Major Damage
066	1212000104	12	0J650	4926D	09/01/2018	Mandates
067	0415000100	04	3J200	1488A	09/03/2018	Major Damage
068	0415000104	04	3J240	1488E	09/03/2018	Major Damage
069	0415000105	04	3J250	1488F	09/03/2018	Major Damage
070	0700000506	07	27240	4060	09/04/2018	Mandates
071	0413000296	04	4H880	0211Z	09/05/2018	Safety
072	0512000186	05	1C660	2420	09/06/2018	Safety
073	0715000280	07	31800	4916	09/10/2018	Bridge
074	0217000056	02	3H100	3677	09/10/2018	Major Damage
075	1016000059	10	1F270	3212	09/14/2018	Major Damage
076	1100000421	11	29910	1067	09/14/2018	Bridge
077	0417000279	04	4K210	1456F	09/17/2018	Major Damage
078	0417000290	04	4K270	1456E	09/17/2018	Major Damage
079	0915000045	09	36460	0660	09/19/2018	Safety
080	0217000075	02	3H260	3678	09/19/2018	Major Damage
081	0317000197	03	2H890	3632	09/19/2018	Major Damage
082	1100020311	11	29230	0916	09/20/2018	Mandates
083	0413000050	04	4G800	0130B	09/20/2018	Bridge
084	0700000533	07	27750	4197	09/24/2018	Mandates

Index No.	Project ID	Dist	EA	PPNO	CCA Date	Program
085	0700000534	07	27760	4198	09/24/2018	Mandates
086	0700000535	07	27770	4197	09/24/2018	Mandates
087	1114000024	11	41430	1123	09/24/2018	Bridge
088	1115000126	11	42150	1172	09/25/2018	Bridge
089	1000000033	10	0F280	3248	09/28/2018	Mandates
090	1112000137	11	41080	1086	09/28/2018	Safety
091	0413000055	04	4G810	0250B	09/28/2018	Bridge
092	1000020459	10	0U520	3005	09/28/2018	Safety
093	0217000087	02	1H760	3646	09/28/2018	Major Damage
094	0815000057	08	1F840	3005E	09/28/2018	Safety
095	0815000062	08	1F850	3004K	09/28/2018	Safety
096	0715000283	07	2750U	4157	10/01/2018	Mandates
097	0614000105	06	0S310	3032	10/01/2018	Safety
098	1212000092	12	0M500	3401A	10/01/2018	Safety
099	0814000059	08	1E650	0033S	10/01/2018	Safety
0100	0613000049	06	0Q260	6654	10/01/2018	Pavement
0101	0700001891	07	4Y700	4386	10/01/2018	Bridge
0102	1012000018	10	0W600	0326	10/01/2018	Pavement
0103	0113000082	01	0C241	1098	10/01/2018	Major Damage
0104	0812000338	08	1C630	0012H	10/01/2018	Mobility
0105	0417000307	04	4K410	1457D	10/01/2018	Major Damage
0106	0713000034	07	29600	4597	10/01/2018	Safety
0107	0112000111	01	0B270	1077	10/01/2018	Major Damage
0108	0812000339	08	1C640	0033R	10/01/2018	Mobility
0109	0712000077	07	29100	4492	10/01/2018	Mandates
0110	0217000089	02	1H800	3648	10/03/2018	Major Damage
0111	0417000313	04	4K470	1457K	10/04/2018	Major Damage
0112	0217000095	02	1H530	3682	10/05/2018	Major Damage
0113	0417000316	04	4K500	1458B	10/08/2018	Major Damage
0114	1114000126	11	41911	1130	10/10/2018	Roadway Preservation
0115	1112000138	11	41090	1104	10/10/2018	Safety
0116	0215000021	02	4F58U	3514	10/15/2018	Bridge
0117	0414000127	04	1J020	0481W	10/15/2018	Safety
0118	0413000236	04	4H000	0085Y	10/15/2018	Safety
0119	0515000031	05	1G450	2604	10/15/2018	Safety
0120	0217000099	02	3H330	3686	10/18/2018	Major Damage
0121	0400020738	04	2G350	0501A	10/19/2018	Safety
0122	0515000007	05	1G380	2596	10/25/2018	Safety
0123	0317000231	03	3H110	3321	10/25/2018	Major Damage
0124	0414000521	04	2J480	1487B	10/30/2018	Major Damage
0125	0413000295	04	4H870	0487P	10/31/2018	Safety
0126	0412000027	04	3G210	2119Q	10/31/2018	Mandates

Index No.	Project ID	Dist	EA	PPNO	CCA Date	Program
0127	1013000239	10	0Y550	3079	10/31/2018	Mandates
0128	0616000084	06	0U990	6780	11/01/2018	Safety
0129	0315000119	03	0H270	9157	11/01/2018	Safety
0130	0300020420	03	1F400	5067	11/01/2018	Mobility
0131	1012000017	10	0W590	0303	11/01/2018	Pavement
0132	0216000103	02	2H120	3656	11/01/2018	Major Damage
0133	0112000184	01	0B690	3097	11/01/2018	Mandates
0134	0412021276	04	3G140	0371Q	11/01/2018	Mandates
0135	0616000025	06	0U710	6790	11/01/2018	Safety
0136	1013000078	10	0G340	4736	11/01/2018	Pavement
0137	0417000407	04	0P180	1461E	11/06/2018	Major Damage
0138	0300020597	03	3E050	5096	11/06/2018	Drainage
0139	0915000041	09	36580	0656	11/08/2018	Pavement
0140	0713000492	07	30070	4679	11/08/2018	Pavement
0141	0712000075	07	29080	4491	11/09/2018	Mandates
0142	0417000049	04	2K910	1452M	11/15/2018	Major Damage
0143	1000020638	10	0K021	5423Y	11/17/2018	Bridge
0144	0116000171	01	0G340	4648	11/19/2018	Major Damage
0145	0417000409	04	0P200	1461N	11/19/2018	Major Damage
0146	1113000044	11	29280	1088	11/21/2018	Mandates
0147	0413000132	04	4H010	0085X	11/23/2018	Safety
0148	1114000023	11	41440	1124	11/27/2018	Bridge
0149	1112000070	11	40930	1059	11/27/2018	Bridge
0150	0413000059	04	4G890	0086R	11/30/2018	Bridge
0151	0513000037	05	1F030	2476	11/30/2018	Safety
0152	0900020090	09	35210	0611	11/30/2018	Mandates
0153	0816000062	08	1G700	3004M	11/30/2018	Major Damage
0154	0112000127	01	0B430	2341	12/01/2018	Major Damage
0155	0612000106	06	0P290	6636	12/01/2018	Safety
0156	0113000013	01	0C590	7011	12/01/2018	Safety
0157	0600000188	06	0J530	6428	12/01/2018	Safety
0158	0112000134	01	0B510	4551	12/01/2018	Major Damage
0159	1200020267	12	0J610	2723A	12/01/2018	Mandates
0160	1200020268	12	0J620	2729A	12/01/2018	Mandates
0161	1200020269	12	0J630	2737A	12/01/2018	Mandates
0162	1013000050	10	3A730	0282	12/03/2018	Pavement
0163	0218000008	02	3H670	3698	12/05/2018	Major Damage
0164	1114000125	11	41910	1129	12/11/2018	Roadway Preservation
0165	0812000256	08	1C060	0015N	12/11/2018	Pavement
0166	0714000224	07	30800	4775	12/12/2018	Pavement
0167	0217000126	02	3H440	3692	12/14/2018	Major Damage
0168	0112000189	01	0B820	7009	12/15/2018	Safety

Index No.	Project ID	Dist	EA	PPNO	CCA Date	Program
0169	0714000080	07	12997	4765	12/17/2018	Mobility
0170	0815000101	08	0N971	0258P	12/17/2018	Safety
0171	0514000054	05	1F710	2542	12/17/2018	Pavement
0172	0800001010	08	0N560	0211S	12/17/2018	Bridge
0173	0800001011	08	0N591	0210K	12/17/2018	Bridge
0174	0400020618	04	1G860	0730C	12/20/2018	Safety
0175	0714000222	07	30780	4773	12/20/2018	Pavement
0176	0712000008	07	29120	4494	12/20/2018	Mandates
0177	0814000196	08	1F280	3001C	12/21/2018	Bridge
0178	1100000392	11	29520	0919	12/28/2018	Safety
0179	0412000635	04	1SS58	0312T	12/28/2018	Major Damage
0180	0400001256	04	4S660	0308J	12/28/2018	Major Damage
0181	0414000339	04	1A904	1067B	12/28/2018	Mandates
0182	0413000292	04	4H860	0487N	12/28/2018	Safety
0183	0400021254	04	2G940	0522R	12/28/2018	Major Damage
0184	0412000491	04	4G490	0116Q	12/28/2018	Safety
0185	0415000191	04	3J740	1488Q	12/28/2018	Major Damage
0186	0412000116	04	20950	0326A	12/30/2018	Bridge
0187	0214000006	02	4G380	3540	12/30/2018	Pavement
0188	0400001044	04	3S910	0713G	12/30/2018	Major Damage
0189	0414000021	04	0J640	0480G	12/31/2018	Pavement
0190	0414000421	04	2J070	1480S	12/31/2018	Safety
0191	0714000165	07	30640	4747	12/31/2018	Mobility
0192	0412000314	04	4G220	0775F	12/31/2018	Safety
0193	0212000011	02	4E640	3472	12/31/2018	Bridge
0194	0400020616	04	1G840	0730E	12/31/2018	Mandates
0195	0112000188	01	0B830	4564	12/31/2018	Mandates
0196	0413000370	04	0J000	0820P	12/31/2018	Safety
0197	0212000033	02	4E690	3478	12/31/2018	Roadside Preservation
0198	0413000122	04	4G980	0481D	12/31/2018	Safety
0199	0714000246	07	30860	4780	12/31/2018	Mobility
0200	0114000116	01	0E640	3101	01/01/2019	Safety
0201	0313000165	03	3F760	2705	01/02/2019	Safety
0202	0112000126	01	0B420	2340	01/02/2019	Major Damage
0203	0414000123	04	1J010	0488J	01/02/2019	Safety
0204	0500000576	05	49280	4928A	01/07/2019	Roadway Preservation
0205	0400000827	04	2A490	0608K	01/10/2019	Bridge
0206	0712000015	07	28990	4485	01/10/2019	Mandates
0207	0814000195	08	1F270	3001E	01/10/2019	Bridge
0208	1016000133	10	1F640	3222	01/11/2019	Major Damage
0209	0200000016	02	0E090	3346	01/15/2019	Bridge
0210	0112000138	01	0B560	4556	01/15/2019	Major Damage

Index No.	Project ID	Dist	EA	PPNO	CCA Date	Program
0211	0500000049	05	0F700	7000	02/01/2019	Bridge
0212	0200000603	02	2E800	3426	02/01/2019	Mobility
0213	0812000165	08	0R780	0050L	02/01/2019	Safety
0214	0414000542	04	2J660	1482M	02/01/2019	Safety
0215	0217000141	02	3H550	3694	02/01/2019	Major Damage
0216	1200000187	12	0H205	3448	02/01/2019	Roadside Preservation
0217	1200020130	12	0H206	3421I	02/01/2019	Roadside Preservation
0218	0200020042	02	3E410	3435	02/06/2019	Mobility
0219	0800020582	08	0Q890	0010C	02/06/2019	Bridge
0220	0700020994	07	28810	4416	02/15/2019	Pavement
0221	0712000016	07	29000	4486	02/15/2019	Safety
0222	0713000484	07	30230	4686	02/15/2019	Pavement
0223	1213000116	12	0N110	4849C	02/15/2019	Major Damage
0224	0613000022	06	0G980	6349	02/15/2019	Pavement
0225	1112000141	11	41120	1084	02/15/2019	Safety
0226	0112000293	01	0C430	4572	02/15/2019	Bridge
0227	0513000142	05	0N190	4019	02/27/2019	Mobility
0228	0814000175	08	0G770	9991C	02/28/2019	Mobility
0229	0700020927	07	28720	4405	02/28/2019	Mandates
0230	0412000490	04	4G480	0780G	02/28/2019	Safety
0231	1212000090	12	0M490	2545	03/01/2019	Safety
0232	0612000108	06	0K810	6605	03/01/2019	Bridge
0233	0714000219	07	30740	4769	03/08/2019	Pavement
0234	0814000085	08	0E551	0195M	03/15/2019	Mobility
0235	0413000052	04	4G850	0681Q	03/15/2019	Bridge
0236	0115000036	01	0E840	2407	03/19/2019	Bridge
0237	0715000234	07	31700	4958	03/29/2019	Safety
0238	0415000331	04	4J340	1490E	03/29/2019	Pavement
0239	0614000114	06	0S340	3034	03/30/2019	Pavement
0240	0313000017	03	3F480	5103	04/01/2019	Safety
0241	0714000021	07	30140	4703	04/03/2019	Pavement
0242	1100000313	11	28230	0909	04/03/2019	Mandates
0243	0317000015	03	1H880	6249	04/05/2019	Safety
0244	0812000071	08	0R350	0107F	04/10/2019	Bridge
0245	0214000143	02	0H200	3573	04/10/2019	Safety
0246	1215000008	12	0N910	2382	04/12/2019	Major Damage
0247	0218000028	02	3H750	3704	04/16/2019	Major Damage
0248	1012000039	10	0G720	0337	04/18/2019	Bridge
0249	0613000034	06	0Q320	6651	04/19/2019	Safety
0250	0700000085	07	1170U	0309N	04/29/2019	Pavement
0251	1014000101	10	1C180	3091	04/30/2019	Pavement
0252	0412000347	04	1A672	0159Q	05/01/2019	Bridge

Index No.	Project ID	Dist	EA	PPNO	CCA Date	Program
0253	1215000023	12	0P020	2442	05/01/2019	Safety
0254	0713000483	07	30260	4689	05/13/2019	Pavement
0255	0713000481	07	30220	4685	05/14/2019	Pavement
0256	1114000045	11	24400	1107	05/17/2019	Mobility
0257	0812000072	08	0R340	0200J	05/21/2019	Bridge
0258	1100020265	11	40570	1020	05/23/2019	Safety
0259	1100020271	11	40580	1022	05/24/2019	Mandates
0260	1213000036	12	0M910	4317	06/01/2019	Mandates
0261	0713000241	07	3X870	4567	06/12/2019	Major Damage
0262	0812000288	08	1C100	0179G	06/14/2019	Pavement
0263	0700020042	07	4Y850	4383	06/19/2019	Bridge
0264	0714000094	07	2838U	4328	07/01/2019	Safety
0265	0700021842	07	28270	4293	07/01/2019	Safety
0266	0713000012	07	29460	4584	07/01/2019	Safety
0267	0500020020	05	0G040	0040B	07/01/2019	Pavement
0268	0713000489	07	30080	4680	07/01/2019	Pavement
0269	1200020180	12	0L720	4124	07/01/2019	Safety
0270	0112000001	01	0A990	2329	07/01/2019	Safety
0271	0100000186	01	43060	0046D	07/01/2019	Bridge
0272	0113000124	01	0E100	2383	07/01/2019	Bridge
0273	0512000074	05	1C100	2358	07/01/2019	Safety
0274	0616000026	06	0U720	6793	07/01/2019	Safety
0275	0415000066	04	3G59U	8315V	07/01/2019	Pavement
0276	0615000050	06	0S490	6729	07/05/2019	Pavement
0277	0513000022	05	1C990	2458	07/08/2019	Safety
0278	1212000096	12	0M520	3089A	07/10/2019	Safety
0279	1113000018	11	41530	1103	07/12/2019	Safety
0280	0714000304	07	30980	4799	07/15/2019	Safety
0281	0316000080	03	0F351	6913	07/15/2019	Mobility
0282	0415000012	04	4A09A	0382E	07/15/2019	Bridge
0283	0700021272	07	25262	3725B	07/17/2019	Pavement
0284	0713000485	07	30060	4678	07/17/2019	Pavement
0285	0700020923	07	28670	4387	07/25/2019	Mandates
0286	0816000072	08	1E581	0238T	07/26/2019	Safety
0287	0715000064	07	31240	4834	07/30/2019	Mandates
0288	0213000094	02	4G250	3536	07/30/2019	Mandates
0289	0212000032	02	4E680	3477	07/30/2019	Safety
0290	0700021123	07	28910	4457	07/30/2019	Mobility
0291	0700021166	07	1W240	4580	07/31/2019	Bridge
0292	0614000038	06	0R140	3036	08/01/2019	Pavement
0293	0700000552	07	28150	4279	08/01/2019	Mandates
0294	0513000020	05	1C970	2456	08/01/2019	Safety

Index No.	Project ID	Dist	EA	PPNO	CCA Date	Program
0295	1213000101	12	0N090	4558A	08/01/2019	Safety
0296	0700000182	07	18312	2163A	08/05/2019	Pavement
0297	0516000151	05	1H780	2688	08/06/2019	Major Damage
0298	0716000112	07	32610	5036	08/06/2019	Major Damage
0299	1115000140	11	41852	0559	08/09/2019	Pavement
0300	1200020177	12	0J400	3174	08/15/2019	Pavement
0301	0713000154	07	29720	4616	08/15/2019	Safety
0302	0800000431	08	0L710	0242K	08/15/2019	Mandates
0303	0416000128	04	0K700	1495C	08/17/2019	Major Damage
0304	0716000306	07	33340	5180	08/28/2019	Major Damage
0305	0800020191	08	0Q300	0237P	08/30/2019	Safety
0306	0413000123	04	4H260	0133H	08/30/2019	Mandates
0307	0713000037	07	29580	4595	08/30/2019	Safety
0308	0713000194	07	29750	4617	09/05/2019	Safety
0309	0713000017	07	29530	4588	09/05/2019	Safety
0310	0416000119	04	4H751	0158G	09/10/2019	Safety
0311	0713000276	07	29860	4630	09/11/2019	Safety
0312	1100000215	11	26220	1063	09/13/2019	Bridge
0313	0414000518	04	2J460	1485C	09/13/2019	Major Damage
0314	0400020620	04	1G870	0730F	09/16/2019	Safety
0315	0400000772	04	28382	0832A	09/30/2019	Safety
0316	0300020462	03	2F080	9580	10/01/2019	Mandates
0317	0713000310	07	29930	4650	10/01/2019	Safety
0318	0713000335	07	3X960	4576	10/03/2019	Major Damage
0319	0213000031	02	4F770	3522	10/15/2019	Pavement
0320	0213000008	02	4F570	3513	10/15/2019	Bridge
0321	0212000012	02	4E650	3473	10/31/2019	Bridge
0322	0400000160	04	0A710	0044C	11/01/2019	Mobility
0323	0215000056	02	4G03U	3533	11/01/2019	Safety
0324	0112000283	01	0C370	4573	11/01/2019	Bridge
0325	0913000007	09	35780	0615	11/01/2019	Safety
0326	0612000114	06	0N990	6598	11/09/2019	Bridge
0327	0200020196	02	4E020	3449	11/15/2019	Pavement
0328	1113000115	11	00271	0778A	11/22/2019	Mobility
0329	0713000029	07	29620	4592	11/27/2019	Safety
0330	1212000018	12	0M350	4952B	12/01/2019	Safety
0331	0413000140	04	4H210	0636S	12/01/2019	Pavement
0332	0112000137	01	0B550	4555	12/01/2019	Major Damage
0333	0112000150	01	0B260	1076	12/01/2019	Safety
0334	0112000133	01	0B500	4550	12/02/2019	Major Damage
0335	0712000102	07	25840	3858	12/02/2019	Mandates
0336	0215000066	02	36841	3595	12/02/2019	Mobility

Index No.	Project ID	Dist	EA	PPNO	CCA Date	Program
0337	1214000066	12	0N600	5364	12/02/2019	Pavement
0338	0213000033	02	4F790	3524	12/02/2019	Mandates
0339	0713000033	07	29590	4596	12/09/2019	Safety
0340	0712000109	07	29230	4505	12/13/2019	Safety
0341	0313000239	03	3F920	4296	12/15/2019	Facilities
0342	1214000092	12	0N710	3143A	12/20/2019	Safety
0343	1115000139	11	41851	0558	12/30/2019	Pavement
0344	0413000258	04	4H200	0378E	12/30/2019	Pavement
0345	0415000334	04	4J370	16543	12/30/2019	Mobility
0346	0400020145	04	4S780	0315D	12/30/2019	Major Damage
0347	0417000130	04	4G115	0521K	12/31/2019	Mobility
0348	0416000348	04	3G641	0587G	12/31/2019	Bridge
0349	0200020154	02	3E720	3453	12/31/2019	Pavement
0350	1113000045	11	29200	1087	12/31/2019	Mandates
0351	0413000371	04	17245	0085Q	12/31/2019	Safety
0352	0213000057	02	4F990	3529	12/31/2019	Pavement
0353	0417000128	04	3G603	0521M	01/01/2020	Mobility
0354	0413000162	04	4H580	0483W	01/02/2020	Pavement
0355	0200000161	02	2C090	3212	01/02/2020	Bridge
0356	0812000098	08	0K291	0159J	01/15/2020	Pavement
0357	0200000022	02	0E180	3349	01/17/2020	Bridge
0358	0212000031	02	4E670	3476	01/17/2020	Roadside Preservation
0359	0213000005	02	4F550	3519	01/17/2020	Bridge
0360	1112000017	11	40870	1062	01/27/2020	Pavement
0361	0600020018	06	0K290	6744	02/01/2020	Mobility
0362	0713000314	07	29960	4652	02/07/2020	Safety
0363	1213000068	12	0M960	4096M	02/10/2020	Pavement
0364	0713000162	07	24070	3323	02/14/2020	Mobility
0365	0713000161	07	25710	3821	02/14/2020	Mobility
0366	0113000046	01	0C750	3095	02/15/2020	Safety
0367	0714000073	07	30460	4719	02/18/2020	Mobility
0368	0213000095	02	4G240	3535	02/27/2020	Bridge
0369	1014000145	10	1C300	5002	02/28/2020	Mobility
0370	1115000068	11	28882	1035	03/12/2020	Mobility
0371	0216000169	02	2H740	3665	03/12/2020	Major Damage
0372	0614000253	06	0S610	6724	03/16/2020	Major Damage
0373	0414000106	04	15500	0064A	03/20/2020	Mobility
0374	1112000193	11	41480	1068	03/30/2020	Safety
0375	0414000366	04	4G591	0729Q	04/01/2020	Major Damage
0376	0200000080	02	1C750	3208	04/15/2020	Bridge
0377	0500020290	05	0Q600	1989	04/17/2020	Mandates
0378	0214000022	02	4G520	3548	04/25/2020	Bridge

Index No.	Project ID	Dist	EA	PPNO	CCA Date	Program
0379	1214000075	12	0N640	2860M	05/21/2020	Safety
0380	0713000092	07	29680	4602	07/01/2020	Pavement
0381	0612000105	06	0K460	6601	07/01/2020	Bridge
0382	0713000435	07	30040	4676	07/01/2020	Mandates
0383	0412000644	04	2A11A	0348J	07/31/2020	Bridge
0384	0812000029	08	0R160	0206Y	07/31/2020	Safety
0385	0700020900	07	28660	4390	08/12/2020	Mandates
0386	0712000095	07	29170	4500	08/28/2020	Bridge
0387	0313000139	03	3F570	5959	09/01/2020	Bridge
0388	0712000016	07	29000	4486	09/02/2020	Safety
0389	0300000458	03	3C380	3258	10/01/2020	Mandates
0390	1213000100	12	0N080	2859A	10/01/2020	Safety
0391	0615000207	06	0U120	6751	10/01/2020	Bridge
0392	0614000009	06	0G851	6678	10/01/2020	Pavement
0393	0713000493	07	30300	4691	10/27/2020	Mandates
0394	0700021023	07	28820	4419	10/30/2020	Mandates
0395	0600020148	06	46150	6508	11/01/2020	Pavement
0396	0714000238	07	3009U	4681	12/24/2020	Pavement
0397	0517000044	05	49283	4928W	12/29/2020	Roadway Preservation
0398	0513000169	05	0T001	2267Y	12/31/2020	Safety
0399	0700000142	07	13820	0444E	12/31/2020	Bridge
0400	0713000239	07	29370	4552	01/14/2021	Mobility
0401	0214000036	02	4G550	3560	01/15/2021	Pavement
0402	1213000182	12	0N220	2769D	01/15/2021	Mobility
0403	0713000478	07	30290	4693	01/20/2021	Pavement
0404	1214000037	12	0H234	1984	02/26/2021	Mobility
0405	1215000082	12	0N822	2200C	02/26/2021	Mobility
0406	0714000220	07	30760	4771	04/20/2021	Pavement
0407	0700021113	07	28920	4458	05/03/2021	Mandates
0408	0515000084	05	0T631	2292Y	05/07/2021	Safety
0409	0713000224	07	29770	4620	06/03/2021	Safety
0410	0900020002	09	33500	0566	07/01/2021	Safety
0411	0714000092	07	30520	4725	07/08/2021	Major Damage
0412	0714000221	07	30770	4772	07/14/2021	Pavement
0413	0414000367	04	4G592	0729R	07/15/2021	Major Damage
0414	0612000157	06	0H200	6521	07/19/2021	Bridge
0415	0700020870	07	20212	4137A	07/21/2021	Pavement
0416	0712000076	07	29070	4497	08/16/2021	Bridge
0417	0400001217	04	4S220	0313E	10/14/2021	Major Damage
0418	0416000152	04	4G871	0487Q	10/31/2021	Bridge
0419	0415000355	04	4J260	1490H	11/30/2021	Major Damage
0420	0715000008	07	31120	4812	12/03/2021	Pavement

Index No.	Project ID	Dist	EA	PPNO	CCA Date	Program
0421	0513000101	05	0G071	0707Y	12/14/2021	Roadway Preservation
0422	0515000079	05	1E051	2470Y	12/30/2021	Safety
0423	0412000642	04	2594A	0378F	12/31/2021	Pavement
0424	0414000120	04	3A87A	0333M	04/01/2022	Bridge
0425	0813000213	08	0J851	0238P	04/29/2022	Bridge
0426	0713000057	07	29660	4599	07/01/2022	Bridge
0427	0713000031	07	29640	4594	07/18/2022	Safety
0428	0715000083	07	31320	4841	08/22/2022	Pavement
0429	0217000046	02	3H000	3674	11/23/2022	Major Damage
0430	0412000581	04	2A441	0485U	12/14/2022	Safety
0431	0713000019	07	29520	4587	02/06/2023	Safety
0432	1215000075	12	0C78U	5054	07/20/2023	Mobility
0433	0413000054	04	4G830	0440Q	10/16/2023	Bridge
0434	0713000270	07	29850	4629	12/21/2023	Mobility
0435	0700000488	07	26040	3917	08/27/2025	Bridge

EXHIBIT I: Northern and Southern SHOPP Hearing Public Comments

Public Comments

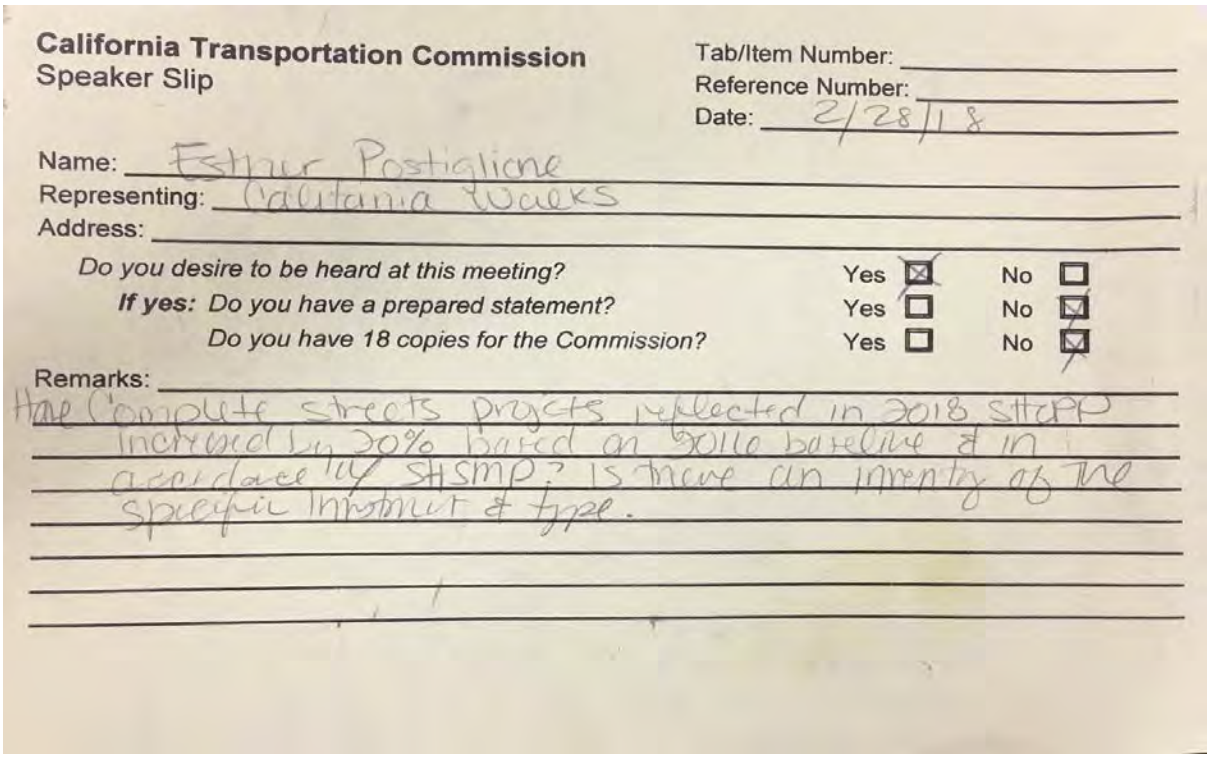
Northern SHOPP Hearing – February 28, 2018
Southern SHOPP Hearing – March 22, 2018

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 30% based on 2016 baseline & in accordance w/ SHSMP? Is there an inventory of the specific improvement & 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 thirty 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 thirty-eight percent of all projects had some element of complete street and there is a very detailed breakdown across the thirty-some-odd different activities that are being accomplished and how much of each one is being accomplished. So we are at thirty-eight 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 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.

Caltrans Response to Public Comments from Southern SHOPP Hearing
March 22, 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 Southern SHOPP.

Speaker Card from Bill Sandkey – City of Coronado Council Member

California Transportation Commission
Speaker Slip

Tab/Item Number: 65
Reference Number:
Date: 3/22/18

Sandkey

Name: Bill Sandke, Council member
Representing: City of Coronado
Address: 1825 Strand Way Coronado CA 92118

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~~ hardcopies for the Commission?	Yes ☒	No ☐

Remarks: Safety + Operational Improvements for San Diego/Coronado Bay Bridge

Caltrans Response:

Thank you Madam Chair, Commissioners, and staff, and especially your email team, really appreciate your help. Um…I want for the record note our our bridge is not on your list, okay, thank you very much. And commend District 11 Director when she was District 11 Director, Laurie Berman, for taking good care of our bridge. And congratulations on your position. Umm…let's see, the City of Coronado resp-resp respectfully requests that the California Transportation Commission allocate funds to approve safety on the San Diego-Coronado Bay Bridge. The bridge carries about ninety thousand (90,000) vehicle trips a day, on a given weekday. It's a critical component of the San Diego Transportation system linking City of Coronado, which attracts between 2-3 million visitors a year to our island, and it also hosts three major federal military installations. That link is fragile. During a recent morning commute, an explosives threat at the gate to naval base North Island, stopped traffic through town over the bridge and all the way back to Interstate 5; that's almost a four (4) mile backup. And it was impossible for the emergency EOD folks who were on the wrong side of the bridge to get to the gate to solve the problem and it made the closure of the base gate take several hours longer than

it had to. It's a fragile link. Across the span there are different challenges. Different safety challenges. Um…I handed out uh…the clerk was kind of enough to hand out the um incident report from the San Diego Union Tribune on a pickup truck that came over the rail on a bridge approach, and sadly on a weekend event landed in a park and killed four innocent people attending a picnic. It was a tragic accident and one that that pointed out to many people safety deficiencies on the Coronado Bridge. That's on the approach ramp area. At the mid span area of the bridge, in the 50 years the bridge has been open, there's been thousands of incidents that have disrupted the operational efficiency of the bridge and caused safety problems across the vehicle and pedestrian spectrum. Um…my point is the San Diego Bridge, which is a lifeline to Coronado is a safety-- past safety problems and you guys have had opportunities to fix it. A third problem is our approach where the bridge-highway speeds turn into a residential neighborhood, and that kind of goes back to the place where the bridge was designed to enter Coronado, which happens to go from the 50 mile an hour speed limit to a 25 or 30 mile an hour residential zone and we could use some safety improvements in that area as well. Umm… Commissioners, I urgently ask you to do something with your uh SHOPP funding to improve safety on the Coronado Bridge. This is for many members of our community a very emotional issue, and I understand your reticence to act on an emotional problem, but for us it's a safety issue, it's an operational issue, and and I'm new at this, but I read that S.H.O.P.P. and the S of safety, O is operations, and you got a chance to help our community, and I hope you do so. Thank you.

Caltrans Response to Public Comments from Southern SHOPP Hearing
March 22, 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 Southern SHOPP.

Speaker Card from Blair King – City of Coronado

California Transportation Commission
Speaker Slip

Tab/Item Number: 65
Reference Number:
Date: 3/22/18

Name: Blair King - City Manager
Representing: City of Coronado
Address: 1825 Strand Way, Coronado 92118

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: In support of Operational and Safety improvements for the Coronado Bridge

Caltrans Response:

Thank you. Good morning, Commissioners. I just wanted to point out three areas that I think that uh our request align with the SHOPP program goals. Uh…the the three areas are: bridge preservation, bridge rail replacement upgrades, mobility operation improvement, and collision reduction. In terms of the bridge preservation and bridge rail project, this is a 50 year old bridge. There were 34 inch high barriers installed, they designed that way to be low enough to allow an unobstructed view from the bridge. However, since the bridge opening per CalTrans, 5 vehicles have driven off the bridge, the most recent being 2016, which resulted in 4 deaths. Uh…the bridge rails are inadequate and they're too low. The second is mobility operations improvements, which is also a SHOPP program goal, just mentioned to you previously. Uh…we have tracked the number of bridge closures, they are quite frequent. They are only two ways in and out. It takes about ninety thousand vehicles. The average closure over the last three years has lasted one hour. Uh…the longest closure is six hours. Those types of backups produce backups on Interstate 5 and also the alternative route. Typically, if there is a long closure on the Coronado Bridge,

there is a corresponding sympathetic accident on State Route 75. So, a closure on the Coronado Bridge will result in an accident on State Route 75, which is the alternative to the Coronado Bridge. The third is in terms of collision reduction and severity. There's no shoulders on the bridge. Uh, there's no safety zones for first responders, pedestrians, broken down vehicles, uh…which causes the bridge then to be closed down in both directions. Again, what I mentioned is highway speeds on I-5 due to uh… backups on the bridge, which typically last one hour at least in length and can last up to six hours. Uh…causes high vehicles at a higher area of speed to slow to zero within a short period of time. We think that our request is consistent with SHOPP program goals would like your consideration. Thank you.

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SHOPP Adoption Resolution G-18-13

PASSED BY
CTC
MAR 2 2 2018
CALIFORNIA
TRANSPORTATION COMMISSION

CALIFORNIA TRANSPORTATION COMMISSION

Adoption of the 2018 State Highway Operation and Protection Program
March 22, 2018

RESOLUTION G-18-13

1.1 WHEREAS, Government Code section 14526.5(a) requires the California Department of Transportation (Department) to prepare, based on the Transportation Asset Management Plan, a State Highway Operation and Protection Program (SHOPP) containing projects that are necessary to preserve and protect the state highway system; and

1.2 WHEREAS, pursuant to Government Code section 14526.4, the Department, in consultation with the California Transportation Commission (Commission), prepared a Transportation Asset Management Plan consistent with state and federal regulations to guide selection of projects for the SHOPP as required by Section 14526.5; and

1.3 WHEREAS, the Department's Transportation Asset Management Plan is a document assessing the health and condition of the state highway system with which the Department is able to determine the most effective way to apply the state's limited resources; and

1.4 WHEREAS, pursuant to Government Code section 14526.4, in connection with the Transportation Asset Management Plan, the Commission has adopted targets and performance measures reflecting state transportation goals and objectives; and

1.5 WHEREAS, Government Code section 14526.5(b) requires the SHOPP to include those projects for which construction is to begin within four fiscal years, starting July 1 of the year following the year the SHOPP is submitted; and

1.6 WHEREAS, Government Code sections 14526.5(c) and (d) require that each project in the SHOPP specifies the capital and support budget for each phase, the delivery date of each major component and performance matrices as determined by the Commission; and

1.7 WHEREAS, Government Code section 14526.5(d), requires the Department to submit the SHOPP to the Commission not later than January 31 of each even-numbered year, and prior to submitting the SHOPP to the Commission the Department shall make a draft of the SHOPP available to transportation planning agencies for review and comment and shall include the comments in its submittal to the Commission; and

1.8 WHEREAS, Government Code section 14526.5(e) requires the Commission to review the SHOPP relative to its overall adequacy and consistency with the Transportation Asset Management Plan and that the Commission may decline to adopt the SHOPP if the Commission determines that it is not sufficiently consistent with the Transportation Asset Management Plan; and

1.9 WHEREAS, the Department has provided, and the Commission has approved, asset class performance benchmarks based on the 2018 SHOPP investment level to measure progress towards meeting the ten year Transportation Asset Management Plan performance targets; and

1.10 WHEREAS, the performance benchmarks demonstrate the 2018 SHOPP investment and subsequent SHOPP investments are necessary to achieve the 2027 targets adopted by the Commission and as specified in SB 1; and

1.11 WHEREAS, Government Code section 14526.5(e) requires the Commission to adopt the SHOPP and submit it to the Legislature and the Governor not later than April 1 of each even-numbered year; and

1.12 WHEREAS, Government Code section 14526.5(f) requires the Commission, prior to adopting the SHOPP, to hold at least one SHOPP hearing in Northern California and one hearing in Southern California; and

1.13 WHEREAS, the Commission has held the required Northern and Southern SHOPP hearings; and

1.14 WHEREAS, the Commission has reviewed the Proposed 2018 SHOPP relative to its overall adequacy, consistency with the Transportation Asset Management Plan prepared and approved pursuant to Government Code section 14526.4 and funding priorities established in Section 167 of the Streets and Highways Code, the level of annual funding needed to implement the program, and the impact of those expenditures on the State Transportation Improvement Program.

2.1 NOW THEREFORE BE IT RESOLVED, that the Commission finds that the 2018 SHOPP is consistent with the Transportation Asset Management Plan, the funding priorities established in Section 167 of the Streets and Highways Code, the level of annual funding needed to implement the program, and the impact of those expenditures on the State Transportation Improvement Program; and

2.2 BE IT FURTHER RESOLVED, that the Commission hereby adopts the 2018 SHOPP; and

2.3 BE IT FURTHER RESOLVED, that the Commission expects the Department to report annually to the Commission on its progress toward meeting the targets and performance measures adopted by the Commission and established by Senate Bill 1.

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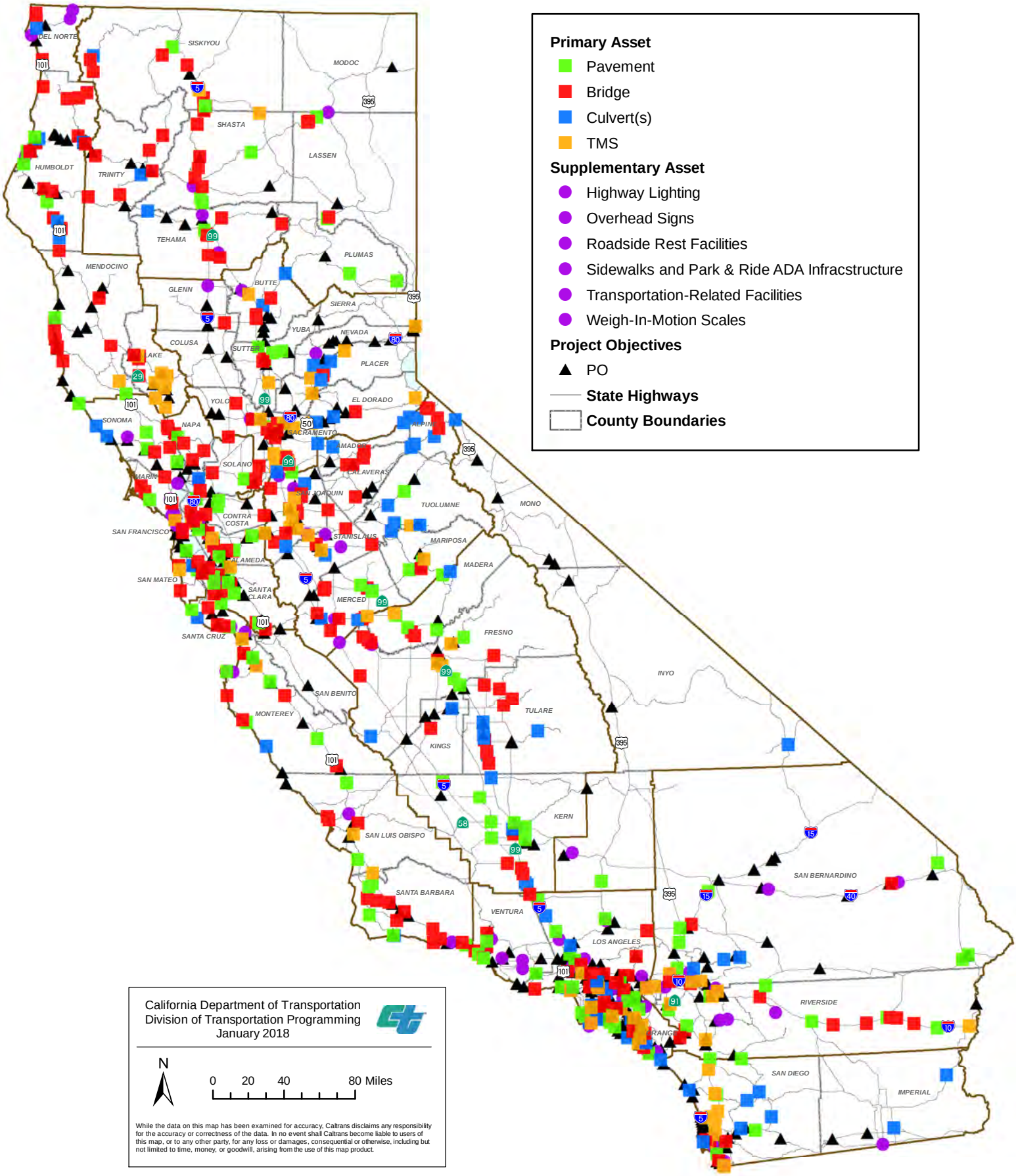
2018 SHOPP


Primary Asset
Pavement
Bridge
Culvert(s)
TMS
Supplementary Asset
Highway Lighting
Overhead Signs
Roadside Rest Facilities
Sidewalks and Park & Ride ADA Infracstructure
Transportation-Related Facilities
Weigh-In-Motion Scales
Project Objectives
PO
State Highways
County Boundaries
DEL NORTE
SISKIYOU
MODOC
HUMBOLDT
TRINITY
SHASTA
LASSEN
TEHAMA
PLUMAS
MENDOCINO
GLENN
BUTTE
SIERRA
COLUSA
YUBA
NEVADA
LAKE
SUTTER
PLACER
YOLO
EL DORADO
SONOMA
NAPA
SACRAMENTO
ALPINE
AMADOR
SOLANO
CALAVERAS
MARIN
SAN JOAQUIN
TUOLUMNE
MONO
CONTRA COSTA
SAN FRANCISCO
STANISLAUS
MARIPOSA
ALAMEDA
MADERA
SAN MATEO
SANTA CLARA
MERCED
SANTA CRUZ
FRESNO
INYO
SAN BENITO
TULARE
MONTEREY
KINGS
KERN
SAN LUIS OBISPO
SAN BERNARDINO
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California Department of Transportation
Division of Transportation Programming
January 2018
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Memorandum

TAB 76

To: CHAIR AND COMMISSIONERS

CTC Meeting: March 21-22, 2018

Reference No.: 4.12
Action

Published Date: March 19, 2018

From: SUSAN BRANSEN
Executive Director

Prepared By: Stephen Maller, P.E.
Chief Engineer

Subject: **ADOPTION OF THE 2018 STATE HIGHWAY OPERATION AND PROTECTION PROGRAM**
RESOLUTION G-18-13

ISSUE:

Should the California Transportation Commission (Commission), after considering the 1) funding priorities established in Section 167 of the Streets and Highways Code, 2) level of annual funding needed to implement the SHOPP, and 3) impact of the SHOPP expenditures on the State Transportation Improvement Program (STIP) find that the Proposed 2018 SHOPP is adequate overall and consistent with the Transportation Asset Management Plan prepared and approved pursuant to Government Code section 14526.4 and adopt the 2018 SHOPP?

RECOMMENDATION:

Commission staff recommends that the Commission, upon considering the funding priorities established in Section 167 of the Streets and Highways Code, the level of annual funding needed to implement the program, the impact of the proposed SHOPP expenditures on the state transportation improvement program, find that the 2018 SHOPP is adequate and consistent with the Transportation Asset Management Plan and adopt the 2018 SHOPP.

BACKGROUND:

The Commission set the annual level of SHOPP funding and evaluated the impact of SHOPP expenditures on the STIP when the Commission adopted the 2017 STIP Fund Estimate. Government Code section 14526.5, requires the Commission to review the SHOPP relative to its overall adequacy and consistency with the Transportation Asset Management Plan (TAMP) and to hold at least one hearing in Northern California and one hearing in Southern California. After a finding that the SHOPP is consistent with the TAMP, the Commission shall adopt the SHOPP and submit it to the Legislature and the Governor not later than April 1 of each even-numbered year. The Commission may decline to adopt the SHOPP if it determines that it is not sufficiently consistent with the TAMP.

The 2018 SHOPP is a four-year program of projects including reservations necessary to preserve and protect the state highway system. Projects included in the 2018 SHOPP are informed and guided by the performance targets set forth in the Road Repair and Accountability Act (Senate Bill 1 (SB-1), Beall, 2017), Commission adopted SHOPP and TAMP Guidelines and the Department prepared and Commission approved the TAMP. The Commission approved TAMP enumerates the performance measures and targets for the primary and supplementary asset classes adopted by the Commission. The ten year targets for the four primary asset classes are:

- Pavement - not less than 98 percent of pavement in good or fair condition,
- Bridges – not less than 98.5 percent of bridge deck area in good or fair condition and fix not less than an additional 500 bridges,
- Culverts - not less than 90 percent of culverts in good or fair condition, and
- Transportation Management System (TMS) elements - not less than 90 percent of the TMS units in good condition.

The 2018 SHOPP will invest approximately $9.70 billion of the available $17.96 billion for improving the condition of the four primary asset classes. At this investment level, the Department anticipates the 2018 SHOPP investments will achieve the following performance outcomes by June 30, 2022:

- 98% of Class 1 pavement will be in good or fair condition,
- 97.1% of Class 2 pavement will be in good or fair condition,
- 97% of Class 3 pavement will be in good or fair condition,
- 97.8% of all bridge deck area will be in good or fair condition,
- 87.9% of the culverts will be in good or fair condition, and
- 80.4% of the TMS units will be in good condition.

This 2018 SHOPP investment is necessary to achieve the ten year 2027 targets as required by the Commission and SB 1.

Attachment – Resolution G-18-13 Adoption of the 2018 State Highway Operation and Protection Program