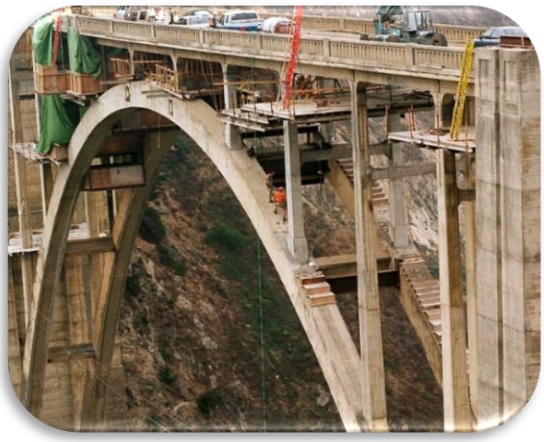

PROPOSED 2016 SHOPP

STATE HIGHWAY OPERATION AND PROTECTION PROGRAM

FISCAL YEARS 2016-17 through 2019-20

Prepared by the CALIFORNIA DEPARTMENT OF TRANSPORTATION

CALIFORNIA STATE TRANSPORTATION AGENCY

In accordance with Government Code section 14526.5

January 29, 2016

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Governor, State of California

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More information on the ITIP can be found on the Office of Capital Improvement Programming's website:
http://www.dot.ca.gov/hq/transprog/shopp.htm

EXECUTIVE SUMMARY

The 2016 State Highway Operation and Protection Program (SHOPP) is the State's "**fix-it-first**" program that funds the repair and preservation of the State Highway System (SHS), safety improvements, and some highway operational improvements. By continuously repairing and modernizing 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 State owned roadways, highways and bridges (including associated bicycle and pedestrian infrastructure) and their supporting infrastructure such as culverts, intelligent transportation systems (ITS), roadside safety 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 (ADA) and storm water control requirements. The SHOPP includes funding reservations for projects such as safety and emergency where specific project funding needs cannot be anticipated 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 specified 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 Caltrans based on established criteria and adopted by the California Transportation Commission (CTC or Commission).

For the 2016 SHOPP, the California Department of Transportation (Caltrans) is proposing to implement $10 billion in projects over four years, covering Fiscal Years 2016-17 through 2019-20. A four-year summary of SHOPP investments is provided in **Table 1**, with a more detailed summary in **Exhibit B** and a full listing of the projects in **Exhibit H**. Consistent with Senate Bill 486 (DeSaulnier, 2014), Caltrans is submitting this proposed program of projects to the CTC for the Commission's review and adoption.

Table 1 - 2016 SHOPP

Program Categories	2016 SHOPP Total ($ Millions)
Major Damage Restoration	1,015
Collision Reduction	2,387
Mandates	632
Bridge Preservation	1,486
Roadway Preservation	3,107
Mobility	646
Roadside Preservation	97
Facilities	80
Minor Program	610
Total	10,060

* Un-escalated dollars.

** Excludes Proposition 1B bond funds.

Senate Bill 486 requires that Caltrans invest SHOPP funds in an **asset management**, performance based manner, with a robust implementation of the approach by 2020. Similarly, federal transportation programs are implementing performance based funding criteria and performance targets focused on specific asset classes. The 2016 SHOPP is transitioning to this performance driven asset management paradigm. For the 2016 SHOPP, the CTC approved **four asset classes** for the first phase of this transition: **pavement, bridge, culverts and ITS components**. Those asset classes are highlighted in this document. The 2016 SHOPP is proposing to invest in those assets as summarized below in **Table 2**.

Table 2 - 2016 SHOPP Performance Measures

Asset	Performance
Pavement	4,028 Lane-miles of pavement improved
Bridge	178 bridges rehabilitated
Culverts	723 Culverts rehabilitated
Intelligent Transportation Systems (ITS)	1,600 Replace 1,100 New

The Governor's proposed 2016-17 State Budget includes new revenue to support significant additional investments to address State Highway System maintenance and rehabilitation needs. If enacted, this new funding would enable Caltrans to meet specified performance targets for the four asset categories of pavement, bridge, culverts and Traffic Management Systems (a subset of Intelligent Transportation Systems). Relative to baseline revenue projections, the additional $1.5 billion annually over ten years for these four asset categories would enable Caltrans to:

- rehabilitate an additional 3,000 lane miles of pavement, and perform preventative maintenance to an additional 10,000 lane miles of pavement, to reach an overall pavement condition of 90% good, not distressed;
- fix an additional 164 distressed bridges to result in over 95% in good condition;
- fix an additional 37,000 culverts; and to result in over 80% of culverts in good condition;
- fix or rehabilitate an additional 5,000 TMS elements to result in 90% of element in good condition.

The potential new revenue included in the Governor's Budget is not reflected in the list of projects included in the Proposed 2016 SHOPP but if the new revenue is approved in the enacted State Budget, the 2016 SHOPP would be amended to incorporate additional projects funded through that new revenue.

In addition to addressing fix-it-first needs, safety, emergencies, and mandates, the SHOPP often provides 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. Approximately 43 percent of non-Interstate highway projects in the proposed 2016 SHOPP add or improve a pedestrian, bicycle or transit element as well as implementing the primary fix-it-first purpose of the SHOPP project.

The proposed 2016 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 the Department's Policy for Management of the SHOPP. The proposed 2016 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 2015 Ten-Year State Highway Operation Protection Program Plan (2015 SHOPP Plan), which has both a needs based funding estimate and a fiscally constrained funding estimate. The adopted 2016 Fund Estimate, which relies on current law and revenue projections to estimate available funding, forecasts an

average annual of $2.3 billion of SHOPP program capacity. As described in the 2015 SHOPP Plan, the estimated goal constrained need (not funding constrained) for the rehabilitation and reconstruction of the aging SHS to meet performance targets is $8 billion per year, leaving an annual $5.7 billion funding shortfall.[1] The annual funding shortfall will have many impacts including delays of needed rehabilitation and reconstruction projects on the SHS, an inability to fix new and ongoing deterioration of the highways, further deterioration of facilities during the delay period, and higher costs when needed rehabilitation work is ultimately undertaken.[2] Despite the funding shortfall, Caltrans does not delay safety or emergency response projects. Those project types have top priority for funding and if needed, other projects will be delayed to make funding available for safety and emergency projects.

New projects selected for programming in the proposed 2016 SHOPP are based on the highest priority statewide needs. Programming in the SHOPP is not based on county shares, historical percentages, or a predetermined formula (except for specific mandates). Since available funding is insufficient to preserve and maintain the existing transportation infrastructure, Caltrans will continue to focus available resources on the most critical categories of projects in the SHOPP (safety, emergencies, mandates, bridge, and pavement preservation). Due to insufficient overall funding, few improvements to maintenance facilities, repairs to roadside safety rest areas, and mobility improvements will be made during this four-year SHOPP cycle.

The proposed 2016 SHOPP Project List includes several projects that begin the implementation of **Advance Mitigation**. Advance Mitigation is a proactive, comprehensive approach to mitigating unavoidable biological resource impacts caused by infrastructure projects. Rather than addressing impacts solely on a project-by-project basis as those projects go through the environmental process under NEPA and CEQA, Advance Mitigation identifies protected species and habitats within a geographic area where transportation or other infrastructure projects are likely to be constructed in the future and negatively impact the identified resources. The State then takes steps to implement compensatory mitigation projects off-site for unavoidable impacts and coordinates with natural resource agencies on crediting agreements for future application to transportation projects. This approach produces better biological outcomes, intends to streamline the environmental permitting process, and implements mitigation requirements in advance of projects, thus providing more project development schedule time savings and cost certainty. The proposed 2016 SHOPP includes $20 million in annual funding for Advance Mitigation and will identify individual Advance Mitigation projects.

An additional component of the SHOPP is a funding program referred to as the **Minor Program**. For the four years of the proposed 2016 SHOPP, the Minor Program will provide $610 million to Caltrans districts, $150 million per year split among the districts, to implement relatively low cost (less than $ 1 million) capital projects that are SHOPP eligible. These funds enable districts 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

[1] Final 2015 Ten-Year State Highway Operation and Protection Program Plan, California Department of Transportation, March 2015

[2] 2016 State Transportation Improvement Program Fund Estimate, California Department of Transportation, August 2015

not necessitate an extensive project development process that is required for more costly and complex projects. A Minor Program of projects is proposed by Caltrans on an annual basis for Commission approval and the Program funding is included within the SHOPP. An additional $10 million is being reserved for the Minor Program to assist Caltrans in addressing small capital dollar value complete streets needs on the SHS where those projects might not otherwise be done through the Minor Program. These complete streets needs could include creating a pedestrian refuge island, pavement painting for a bike box at an intersection, or constructing a bus pullout.

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TABLE OF CONTENTS

Introduction 1
SHOPP Process 1
Relationship of 2014 SHOPP to 2016 SHOPP 2
SHOPP Development and Planning Cycles 3
Senate Bill 486 3
Capital Outlay and Capital Outlay Support 4
Asset Management 4
Innovation and Sustainability 5
Long Lead and Contingency Programming 6
Proposition 1B Projects 7
Complete Streets – Meeting the needs of all modes 7
2016 SHOPP COMPARISON to SHOPP Ten-Year Plan 8
Reservations 9
Regional Transportation Planning Agency Coordination 10
Project Listings 15
Description of Exhibits 15

Table of Figures

Figure 1 - Relationship Between 2014 and 2016 SHOPP Cycles 1
Figure 2 - Two-Year SHOPP Development Cycle 3
Figure 3 - 2016 SHOPP Capital Outlay & Capital Outlay Support in Terms of a Project Dollar 4
Figure 4 - Percent of Projects in Asset Management Classes 5

Table of EXHIBITS

Exhibit A - Policy for Management of the SHOPP 16
Exhibit B - 2016 SHOPP Funding Summary 17
Exhibit C – 2016 SHOPP Long Lead projects 19
Exhibit D – Proposition 1B Projects 20
Exhibit E - 2016 SHOPP Regional Transportation Planning Agency Comments 21
Exhibit F - CAL. GOV. CODE § 14526.5: California Code - Section 14526.5 53
Exhibit G - 2016 SHOPP Program Categories 54
Exhibit H - 2016 SHOPP County Listing of Projects 56

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INTRODUCTION

The Proposed 2016 State Highway Operation and Protection Program (SHOPP) was prepared in accordance with Government Code section 14526.5, Streets and Highways Code section 164.6 (**Exhibit G**), Senate Bill 486 (DeSaulnier, 2014), and the strategies outlined in the California Department of Transportation's (Caltrans) Policy for Management of the SHOPP (**Exhibit A**). The proposed 2016 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 proposed 2016 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, roadside safety rest areas, and maintenance stations; and most importantly, to address safety and emergency needs. The proposed 2016 SHOPP is a four-year program of projects that addresses these needs for Fiscal Years (FYs) 2016-17 through 2019-20. 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 the **Figure 1** below. New projects are programmed in the year the Department estimates the projects can be delivered. All projects have a project initiation document identifying the project's scope, performance measures, estimated capital and support costs, and delivery schedule.

	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
2014 SHOPP	Year 1 Projects	Year 2 Projects	Year 3 Projects	Year 4 Projects		
			↓	↓		
2016 SHOPP			Year 1 Projects	Year 2 Projects	Year 3 Projects	Year 4 Projects

FIGURE 1 - RELATIONSHIP BETWEEN 2014 AND 2016 SHOPP CYCLES

The SHOPP programming cycle has three major elements:

- First, the SHOPP Ten-Year State Highway Operation Protection Program Plan (SHOPP Plan) 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 SHOPP Plan is developed by Caltrans and delivered to the California Transportation Commission (CTC or Commission) for approval by January 31st of each odd-numbered year.
- The second step in the programming cycle is the development by Caltrans and approval by the Commission of the State Transportation Improvement Program Fund Estimate (Fund Estimate.)
- The third and final step in the programming cycle is the identification of a four-year program of capital projects that respond to the needs identified in the SHOPP Plan and are within the fiscal constraints identified in the Fund Estimate. 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, may request clarifications or modifications to the document or program of projects, and ultimately adopts the SHOPP.

The ten-year 2015 SHOPP Plan estimated the funding needed to meet the SHS rehabilitation, safety, and emergency needs and attain target performance measures for various asset classes at $8 billion per year. The Commission adopted 2016 Fund Estimate provides total available programming capacity of $2.3 billion per year for the 2016 SHOPP four-year period.[3] This leaves an unfunded need of approximately $5.7 billion per year. As the available funding is insufficient to meet the system performance goals, Caltrans is focusing available resources on the most critical categories of projects in the SHOPP (safety, emergencies, mandates, bridge, and pavement preservation). Relatively few improvements to maintenance facilities, repairs to roadside safety rest areas, and mobility improvements will be made through the 2016 SHOPP.

RELATIONSHIP OF 2014 SHOPP TO 2016 SHOPP

The proposed 2016 SHOPP includes non-allocated projects carried over from the 2014 SHOPP, primarily programmed in FYs 2016-17 and 2017-18. All 2014 SHOPP projects anticipated to be allocated in FY 2015-16 are excluded from the 2016 SHOPP. New projects are programmed in FYs 2018-19 and 2019-20.

New projects in the proposed 2016 SHOPP are identified and selected through rigorous system and project planning processes. In most cases, this begins with an assessment of the condition of the transportation asset, such as the statewide pavement survey or through the scheduled statewide bridge inspection program. These evaluations identify deficiencies, which are prioritized and refined in Project Initiation Documents. The qualitative selection of projects to program takes into account many factors, including the type of roadway, priority, performance measure, risks, benefits, and costs.

[3] 2016 State Transportation Improvement Program Fund Estimate, adopted by the California Transportation Commission, August 2015

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 program. 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 proposed 2016 SHOPP has a completed, approved PID. The selection of projects for PID development is closely tied with the SHS needs and priorities contained in the ten-year SHOPP Plan and is guided by the projections of available funding in the Fund Estimate.

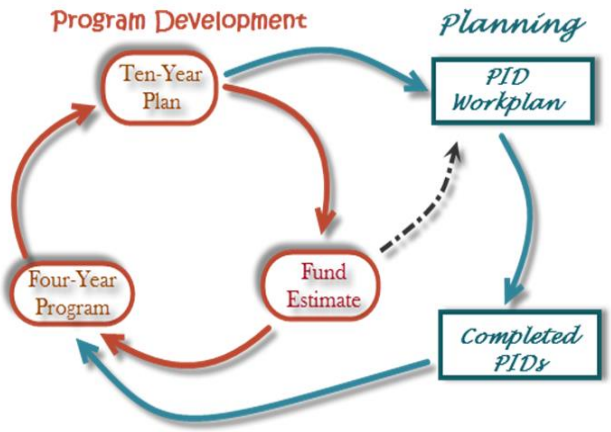

FIGURE 2 - TWO-YEAR SHOPP DEVELOPMENT CYCLE

SENATE BILL 486

Senate Bill (SB) 486 (Chapter 917, Statutes of 2014) requires significant changes to the SHOPP document and the associated responsibilities of Caltrans and the Commission in developing and approving the SHOPP. SB 486 requires 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 modifies 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 results 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 its fully responsibility for the development, delivery and construction of the projects included in the SHOPP.

The Commission, in consultation and coordination with the Department, is reviewing and updating resolutions, guidelines, and processes to fully implement the Commission's increased responsibilities under the provisions of SB 486.

CAPITAL OUTLAY AND CAPITAL OUTLAY SUPPORT

Beginning with the 2008 SHOPP, Caltrans has programmed both capital outlay and capital outlay support for each project. The majority of the dollars, three-quarters, are capital outlay: construction and the purchase of right of way. The remaining funds for SHOPP projects are used for support. Capital outlay support includes environmental analysis (PA&ED), design (PS&E), permits, construction and right of way engineering, contract administration, and similar costs – essentially, all the Caltrans staff time to develop, deliver, and provide oversight of construction projects. **Figure 3** displays the relative share of capital outlay and capital outlay support costs for projects included in the proposed 2016 SHOPP.

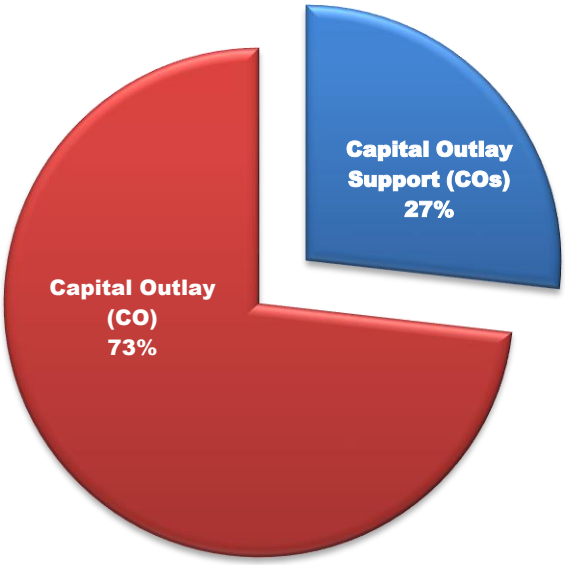

FIGURE 3 - 2016 SHOPP CAPITAL OUTLAY & CAPITAL OUTLAY SUPPORT IN TERMS OF A PROJECT DOLLAR

ASSET MANAGEMENT

On September 30, 2014, the Governor signed Legislation (Senate Bill [SB] 486, Chapter 917) requiring the Department, in consultation with the Commission, to prepare a robust asset management plan to guide the development of the SHOPP and requires the Commission to adopt related targets and performance measures that reflect state policy goals and objectives. The statute allows for the Department to prepare the asset management plan in phases, beginning in July 2016, with the robust implementation of asset management required by July 1, 2020.

The Moving Ahead for Progress in the 21st Century (MAP-21) established federal regulation governing asset management requirements for all National Highway System (NHS) roads and bridges. Specific asset classes under MAP-21 include Pavement and Bridges. The performance management requirements included in MAP-21 were continued in the "Fixing America's Surface Transportation" or FAST Act signed by the President in December of

2015. Caltrans and the Commission must consider both State and Federal regulations in the development of the Transportation Asset Management Plan. This plan must effectively thread a needle and satisfy both regulations with a single strategy for infrastructure management in California.

The proposed 2016 SHOPP will include the initial efforts Caltrans has made toward our 2020 implementation deadline. For the 2016 SHOPP, Caltrans is preparing an Asset Management Performance Report of the four approved asset classes: pavements, bridges, culverts and intelligent transportation system (ITS) elements. This performance report will include an investment breakdown for the 2016 SHOPP and projections of condition or performance for the four asset classes that will result from the project portfolio.

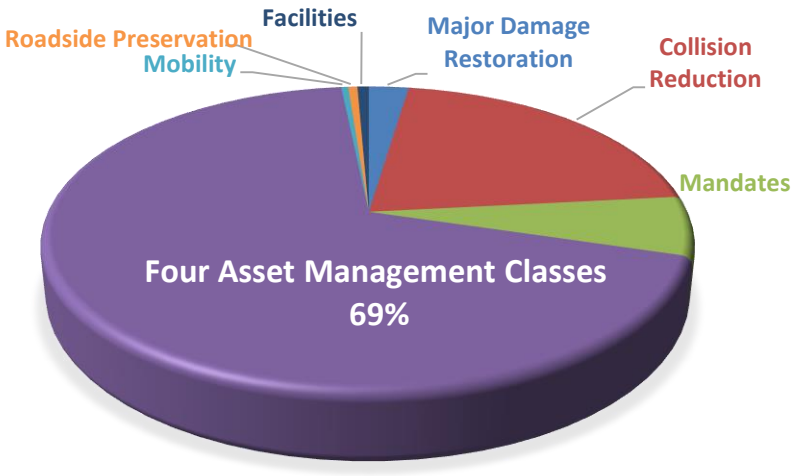

FIGURE 4 - PERCENT OF PROJECTS IN ASSET MANAGEMENT CLASSES

Additional information on transportation asset management beyond the 2016 SHOPP is available on the Transportation Asset Management website (www.dot.ca.gov/tam) including information on the multi-objective asset management pilot program for the 2018 SHOPP.

INNOVATION AND SUSTAINABILITY

Projects in the SHOPP support Caltrans' goals of Innovation and Sustainability. Below is a listing of some of the innovative processes and sustainable approaches that are commonly incorporated into SHOPP projects.

- Incorporate recycled materials in SHOPP projects, like pulverized tires, into asphalt concrete mixes to extend the life of pavement.
- Recycle pavement in SHOPP projects on the spot, to minimize greenhouse gas emissions from trucking materials to and from the job site and to eliminate waste.

- Use reflective sign sheeting in SHOPP projects to eliminate the need for lighting.
- Specify Light Emitting Diode (LED) traffic signals and highway lighting on SHOPP projects, which cuts energy consumption by 50 percent.
- Construct rippled pavement in SHOPP projects as a strategy to assist drivers in keeping their lanes.
- Reduce the carbon dioxide emitted in the creation of the material used on SHOPP projects on roads, bridges, and tunnels.
- Deploy SMART Irrigation Controllers in SHOPP projects that tailor water usage based on weather conditions which conserves water and complies with the Executive Order to reduce water.
- Incorporate recycled water for landscape watering.
- Use innovative contracting methods.

In addition to these innovative approaches that can be found in conventional SHOPP projects, in some cases, the entire project is the innovation. For example, when faced with a chronic and historic rockfall zone on a rugged stretch of Highway 1, Caltrans built the first rock shed in the continental United States. This improved the safety for both travelers and maintenance workers. Another example is a pilot program to reduce wrong-way crashes by focusing on non-complex and relatively inexpensive enhancement strategies to get the attention of wrong-way drivers on freeway exit ramps so that they turn around before entering the main lanes.

Caltrans is evaluating the potential for several environmental focus areas to be mainstreamed into the SHOPP: reduction in use of potable water for landscaping, use of native vegetation in landscaping, opportunities for GHG reduction in all Caltrans processes and products, conservation of energy, advance mitigation, remediation of fish passage barriers, wildlife habitat connectivity, and others. Resulting actions from the evaluation process will assist Caltrans in meeting Department sustainability goals and meeting related legislative and executive order requirements. In all instances where SHOPP funding is utilized to meet these goals, those actions are permissible under statutory requirements for the SHOPP.

LONG LEAD AND CONTINGENCY PROGRAMMING

Commission resolution G-00-13 "*Reporting and Programming of SHOPP Project Development Costs*" was established in June of 2000 to provide Caltrans with a means to commence project delivery efforts on SHOPP projects that require periods longer than the four-year SHOPP time frame to develop. The Commission further authorized Caltrans to program "contingency" projects for development only, when appropriate, thus creating a set of shovel-ready priority projects that address SHOPP Plan performance goals without having a financial commitment to construction capital and support as shown in **Exhibit H**. 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. Having such projects helps ensure that the State fully utilizes its available federal transportation funding that is generated by federal gas taxes.

The proposed 2016 SHOPP contains ten long-lead projects, valued at $1.2 billion. These projects require complex environmental and preliminary engineering work, taking more than four-years to complete as shown in Exhibit C.

In addition, the proposed 2016 SHOPP contains 99 "contingency" projects, valued at $2.5 billion. These projects, as provided under the Commission resolution, are programmed only for preliminary engineering development.

PROPOSITION 1B PROJECTS

On November 7, 2006, Proposition 1B, the Highway Safety, Traffic Reduction, Air Quality, and Port Security Bond Act of 2006, was approved creating the Highway Safety, Rehabilitation and Preservation Account. The remaining $81.5 million of funds in the Highway Safety, Rehabilitation and Preservation account are programmed on a portfolio of SHOPP-eligible ramp metering, vehicle detection, operation improvements and pavement rehabilitation projects as shown in Exhibit E.

COMPLETE STREETS – MEETING THE NEEDS OF ALL MODES

Achieving the State's greenhouse gas (GHG) reduction goals as identified in Assembly Bill (32), Senate Bill (SB) 375, SB 391, and Executive Orders S-3-05 and B-30-15; and meeting Caltrans policy and legislative direction to consider the inclusion of complete streets in Caltrans projects are applicable to all Caltrans projects. At the same time, Caltrans must ensure that it is meeting federal and state requirements regarding the utilization of SHOPP funds. Since SHOPP projects cannot add highway capacity or fund "off-system" projects, incorporating complete streets, as appropriate, into SHOPP projects is one of the few actions that SHOPP projects can take to help meet the goals. Such actions provide co-benefits to the primary purpose of the parent SHOPP project; they are not stand-alone projects using SHOPP funding. (Other GHG reduction actions related to SHOPP construction materials and processes are highlighted in the Innovation and Sustainability section above.)

The proposed 2016 SHOPP has identified approximately 864 projects, 43 percent of the non-interstate projects include one or more complete streets elements. Going further, Caltrans is working on an implementation plan that incorporates complete streets, smart mobility framework, and climate change adaptation strategies identified for the 2016 PID workload. The resulting PIDs will be utilized for projects added to the 2018 SHOPP. This will further assist Caltrans to incorporate complete streets, smart mobility framework and climate change adaptation strategies for all SHOPP projects funded in the 2018 SHOPP cycle as appropriate. While not all pavement, bridge, culvert and transportation management system SHOPP projects lend themselves to complete street improvements, Caltrans' policy is to include these features where beneficial and practicable in the context of facility type, right-of-way, project scope and cost, and quality of nearby alternative facilities.

While the SHOPP will remain focused on the management, preservation and safety of the State Highway System, the incorporation of complete streets elements into SHOPP projects improves the management of our assets by maximizing our return on investment. These projects provide options for mode shift, climate change adaptation, reduced vehicle miles traveled and reductions in GHG emissions. These strategies also protect vulnerable populations by providing access to transit and other non-auto modes, improving air quality, and improving livability and accessibility in and between communities.

2016 SHOPP COMPARISON TO SHOPP TEN-YEAR PLAN

Table 4 summarizes proposed 2016 SHOPP projects and planned reservations against the 2015 Ten-year SHOPP Plan. A detailed summary of the proposed 2016 SHOPP, by fiscal year, is shown in **Exhibit B**.

Table 3

Comparison of 2016 SHOPP Programming to the 2015 Ten-Year SHOPP Plan

Fiscal Years 2016-17 through 2019-20

($ Millions)

Program Categories	2016 SHOPP Projects		2016 SHOPP Reservations	2016 SHOPP Total	40 % of Constrained 2015 Ten-Yr SHOPP Plan*
	No.	($Millions)	($Millions)	($ Millions)	
Major Damage Restoration	34	233	782	1,015	884
Collision Reduction	294	2,194	192	2,387	1,728
Mandates	101	632	-	632	560
Bridge Preservation	162	1,451	35	1,486	1,368
Roadway Preservation	203	3,007	100	3,107	3,459
Mobility	55	434	212	646	469
Roadside Preservation	10	54	43	97	92
Facilities	5	70	10	80	40
Subtotal	864	8,076	1,374	9,450	8,600
			Minor Program	610	600
			Total	10,060	9,200

* Un-escalated dollars.

** Excludes Proposition 1B bond funds.

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

Each project in the proposed 2016 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. The **Table 2** reports and summarizes the impact the proposed 2016 SHOPP projects will have on the transportation system.

RESERVATIONS

The proposed 2016 SHOPP includes reservations of $1,984 million over the four-year period. Reservations include both capital outlay and capital outlay support and are based on historical expenditures for emergencies, additional anticipated safety projects, and other unforeseen immediate needs.

A reservation of $250 million has been established to address performance shortfalls in TMS detector health and culvert conditions. The Divisions of Maintenance and Traffic Operations will assist in developing criteria for the prioritization and selection of these projects which will rehabilitate/replace poor condition culverts and projects specifically targeting the improved operation of existing, non-functioning vehicle detection systems on our highways.

A reservation of $10 million has been established in the minor program for additional small complete street improvements such as pedestrian refuge islands, pavement painting for a bike box at an intersection, or constructing a bus pullout. Additional reservations exist for bridge preservation, commercial vehicle enforcement facilities, and advance mitigation. Refer to Exhibit B for reservation details.

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 ten year SHOPP Plan 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. Division of Transportation Programming will circulate the four-year program to the RTPAs and for review and comment. In addition, 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.

Based on feedback during the past year in advance of the preparation of the 2016 SHOPP program, the Commission encouraged Caltrans to implement further outreach and discussion of SHOPP project proposals, openness to consider local input into project selection, and more transparency regarding the criteria and process for final recommendations to the Commission.

Commission staff is aware that draft SHOPP programs have been shared with local agencies – particularly Self-Help Counties – in the past, and have been advised that there has been some outreach and discussion of priorities in advance of submittal of the draft 2016 SHOPP. The Commission urges the Department to expand and institutionalize formal outreach to MPOs, RTPAs, and the Self-Help Counties several months in advance of submitting its proposed SHOPP to the Commission, which under SB 486 is due no later than January 31 of each even-numbered year.

In November 2015, the draft 2016 SHOPP was provided to regional transportation partners. Thirteen agencies commented. This level of engagement is significantly more than in the 2014 SHOPP, when one formal comment letter was received, and evidence that the outreach efforts that began in 2013 are seeing some success. Caltrans will further expand its SHOPP engagement efforts as it develops the 2017 Ten-Year SHOPP Plan and the subsequent 2018 SHOPP.

Formal comments received regarding the draft 2016 SHOPP and Caltrans responses are listed below.

1. Orange County Transportation Authority (OCTA)

- **Caltrans coordinate development of proposed projects with planned Measure M2 (M2) projects:** On October 28, 2015, the Department provided the OCTA the district's 2016 and 2018 SHOPP Candidate Projects and contingency list. The Department will also ensure that project impacts are discussed at the Project Development Team (PDT) meetings. The Department will continue to coordinate the SHOPP program with active M2 projects, provide updates, and solicit your input on proposed projects and coordination of projects.
- **State Route SR-22 (S-22) (PPNO 2941/EA 0M900):** The department met with OCTA on several occasions, and as late as July 2015 to discuss the project and its proposed features and potential impacts, as well as with the cities of Orange and Santa Ana in May 2015. The project now moves into the Project Approval and Environmental Documentation (PA&ED) phase where formal communication with impacted cities and communities will take place through the environmental process.
- **Intelligent Transportation and Transportation Management System:** In April 2015, OCTA attended an Integrated Corridor Management (ICM) workshop held at the District 12 offices. The discussion highlighted the importance and benefits of proposed intelligent transportation system and transportation management system projects on various routes, such as those proposed in the 2016 SHOPP. An additional 3-Day Regional Operations Forum/Capability Maturity Model Self-Assessment workshop held at Caltrans District 12 on August 4-6, 2015, with focused emphasis on major milestones that identify local needs assessment, establish protocol to developing a sub-regional Concept of Operation (Con Ops) and ultimately paint the framework for a regional model. The ICM project clearly recognized in such a forum as the stepping stone to the success of such sub-regional efforts. We will continue to seek OCTA's participation and involvement, and other stakeholders, as we develop the Concept of Operations for these projects once programmed for funding and during subsequent phases of the project development process.

2. San Diego Association of Governments (SANDAG)

- The SR 125 to SR 905 and SR 125 to SR 11 project (11-28882) described in the proposed 2016 SHOPP as *"In and near San Diego, at the Route 905/125/11 Separation. Construct southbound freeway to freeway connectors from Route 125 to eastbound Route 905 and Route 11." Is* proposed for Proposition 1B bond funding in FY 2017-18.
- Increased focus on mobility will be evaluated when developing the next Ten-Year Plan.

3. Mariposa County Local Transportation Commission

- The Mariposa Crosswalk project (10-0Y600) described in the proposed 2016 SHOPP as *"In the community of Mariposa, from Route 49 to 12th Street. Improve pedestrian"* and proposed for programming in FY 2019-20. Future projects such as the Route 140 Curb Ramps and Sidewalk Installation project (10-0Y590), will be evaluated for future programming cycles.

4. Tuolumne Country Transportation Council

- Caltrans will evaluate for future programming cycles the list of high priority SHOPP candidate projects. In addition, the SHOPP includes reservations to meet the anticipated needs for traffic safety projects not yet identified. This strategy applies only to those projects meeting the Department's specific criteria for traffic safety (201.010) projects. Qualified safety improvement projects will be proposed for programming upon the completion of the PID between cycles.

5. Sacramento Area Council of Governments (SACOG)

- The American River Bridge Deck Rehabilitation project (03-3F070) as described in the proposed 2016 SHOPP as a Long Lead project as *"In the city of Sacramento at the American River Bridge No.24-0003. Widen and replace bridge deck*" and proposed for programming in FY 2019-20. Future pavement needs within the region will continue to be evaluated for future programming cycles.

6. Placer County Transportation Planning Agency

- The I-80 to Galleria Blvd./Stanford Ranch Road project (03-0H260) described in the proposed 2016 SHOPP as *"In and near Roseville and Rocklin, from Route 80 to Galleria Boulevard/Stanford Ranch Road. Construct northbound auxiliary lane"* is incorporated into the 2016 SHOPP and proposed for programming in FY 2016-17.
- The SR 49 in Auburn from I-80 to Dry Creek Road project (03-2F340) described in the 2014 SHOPP as "In Auburn, from 0.1 mile south of Routes 49/80 Separation to 0.1 mile north of Dry Creek Road. Rehabilitate pavement" is incorporated into the proposed 2016 SHOPP as a contingency project.
- In support of the California Freight Mobility plan the Colfax Truck Climbing Lane project (03-1F400) programmed in the 2014 SHOPP as *"Near Colfax, from east of Long Ravine Underpass to 0.4 mile east of Magra Road. Construct truck climbing lane and shoulders"* construction is expected to begin this year.
- The SHOPP includes reservations to meet the anticipated needs for traffic safety projects not yet identified. This strategy applies only to those projects meeting the Department's specific criteria for traffic safety (201.010) projects. Qualified safety improvement projects will be proposed for programming upon the completion of the PID between cycles.

7. Sierra County

- The upgrade guardrail project throughout Sierra County as described in the proposed 2016 SHOPP as "*In Sierra, Nevada, and El Dorado counties on Routes 49, 89 and 193 at various locations. Upgrade guard rail to current standards"* is incorporated into the 2016 SHOPP and proposed for programming in FY 2018-19.
- The approved 2015 Ten-Year SHOPP Plan, identified annual transportation needs as $8 billion against available funding of $2.3 billion per year. Unfortunately, not all transportation needs can be funded in the proposed 2016 SHOPP including the truck pull outs on Route 89.

8. El Dorado County Transportation Commission (EDCTC)

- The Camino Corridor Safety Project on Highway 50 in El Dorado County project (03-4E620) described in the proposed 2016 SHOPP as *"Near Placerville and Camino, from 0.1 mile west of Still Meadows Road to 0.1 mile east of Upper Carson Road. Install median barrier, widen shoulders and construct acceleration/deceleration lane"* is incorporated into the 2016 SHOPP and proposed for programming in FY 2018-19.
- The Transportation Management System Elements project (03-0H520) as described in the proposed 2016 SHOPP as "*In El Dorado County, from the Sacramento County line to east of Stateline Avenue. Upgrade new Transportation Management System elements*" is incorporated into the 2016 SHOPP and proposed for programming in FY 2018-19.

9. Assembly California Legislature - Assembly Transportation Committee

- The Camino Corridor Safety Project on Highway 50 in El Dorado County project (03-4E620) described in the proposed 2016 SHOPP as *"Near Placerville and Camino, from 0.1 mile west of Still Meadows Road to 0.1 mile east of Upper Carson Road. Install median barrier, widen shoulders and construct acceleration/deceleration lane"* is incorporated into the 2016 SHOPP and proposed for programming in FY 2018-19.

10. Butte County Association of Governments (BCAG)

- The Yuba County State Route 70 safety improvements project (03-4F380) described in the proposed 2016 SHOPP as "*Near Marysville from Laurellen Road to South Honcut Creek Bridge. Widen shoulders and improve the clear recovery zone"* is incorporated into the 2016 SHOPP and proposed for programming in FY 2019-20.

11. California State Senate - Fourth Senate District

- The Yuba County State Route 70 safety improvements project (03-4F380) described in the proposed 2016 SHOPP as "*Near Marysville from Laurellen Road to South Honcut Creek Bridge. Widen shoulders and improve the clear recovery zone"* is incorporated into the 2016 SHOPP and proposed for programming in FY 2019-20.

12. Santa Cruz County Regional Transportation Commission (SCCRTC)

- The Department is working with CA Dept. of Fish and Wildlife advocacy organizations, and California State Transportation Agency (CalSTA) to evaluate options and gather information at this location. This will help inform the Department's options to partner and possibly contribute funding towards this effort.

13. Metropolitan Transportation Commission (MTC)

- **Align Funding with Caltrans'/CalSTA's "Fix it First" Priority to Keep Assets in a State of Good Repair: Increase Mobility Funding Share:** Caltrans has made great strides in Transportation Management System (TMS) funding over the past few years, and continue to make growth. Funding targets for TMS projects has increased by $50 Million annually since our last SHOPP cycle, and we will continue to advocate for additional funding for this essential program. We have continually communicated to our districts, as well as established SHOPP asset management guidance that prioritizes "fix it first" projects. Our 2015-2020 Strategic Management Plan also reflects that keeping our TMS assets in good health is a high priority for our division, as well as the entire department.
- **Leverage Regional Funding:** Caltrans currently prioritizes SHOPP projects that gives us opportunities to partner with or collaborate with local entities. Our district offices know that they can stretch their SHOPP dollars and maximize the operational benefit of these dollars by partnering, and we encourage them to do so, and prioritize projects which use cost sharing strategies.
- **Budget for maintaining and Repairing Traffic Operation Devices**: Caltrans agrees that making sure that traffic operations assets receive regular maintenance is crucial to keeping them in working order, but we are unable to dedicate SHOPP resources to maintenance. We are exploring alternatives to increase maintenance funding for TMS element health. Recently, through the FY 15/16 Budget Act, the Department received new resources to focus on TMS health, and some of these resources are being used in the I-80 corridor in the bay area.
- **Transition to a performance-Based Approach for Device Maintenance and Repair:** Caltrans has taken the first steps in developing a performance-based approach for asset stewardship in SHOPP, to be implemented in upcoming SHOPP cycles, but this only covers SHOPP replacement projects, and not device maintenance and repair. We are tracking TMS maintenance needs and shortfalls, and continue to work toward business practices and funding mechanisms that improve element health. The Department currently has multiple maintenance contracts dedicated to TMS asset maintenance and repair.
- **Direct $40 Million in Mobility Funds to Deliver the Freeway Performance Initiative. Invest $4.8 Million in critical TMC Software:** As SHOPP funding becomes available, we routinely work with our districts to fund mobility projects as opportunities arise. We have established guidance for TMS system software, to be funded through SHOPP, and work with the respective districts to deliver these projects.
- **Broaden Project Scope to Include Preventative Maintenance:** Efforts are underway to increase the effectiveness of ITS maintenance contracts in order to maintain systems after installation.

PROJECT LISTINGS

2016 SHOPP projects are listed by County in Exhibit H. Projects are sorted into the following eight categories for each county (See Exhibit G for listing of Program Categories):

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: **Policy for Management of the SHOPP**
Department's Policy for Management of the SHOPP

Exhibit B: **2016 SHOPP Funding Summary**
Table of programmed projects and fund reservations by category and fiscal year

Exhibit C: **2016 SHOPP Long Lead Projects**
List of projects the Department will begin environmental work now to deliver projects in subsequent SHOPP cycles.

Exhibit D: **Proposition 1B Projects**
List of Projects.

Exhibit E: **2016 SHOPP Regional Transportation Planning Agency Comments**
Comments received.

Exhibit F: **CAL. GOV. CODE § 14526.5: California Code - Section 14526.5**

Exhibit G: **2016 SHOPP Program Categories**

Exhibit H: **2016 SHOPP County Listing of Projects**

Exhibit A

California Department of Transportation
Policy for Management of the
State Highway Operation and Protection Program

1. **Traffic safety projects:** Every approved traffic safety project will be programmed in the year in which the Department estimates that it can be delivered. The SHOPP includes reservations to meet the anticipated needs for traffic safety projects not yet identified. This strategy applies only to those projects meeting the Department's specific criteria for traffic safety (201.010) projects.
2. **Proposition 1B projects:** Proposition 1B provided $81,572 million for SHOPP eligible projects. These projects will be managed similar to other State Highway Account funded projects.
3. **Other SHOPP projects:** All SHOPP projects, other than traffic safety and emergency projects, will be programmed according to asset management priorities taking current and expected performance into consideration, except a project will not be programmed earlier than the year in which the Department estimates that it can be delivered.
4. **Level of funding:** The most recently adopted State Transportation Improvement Plan (STIP) Fund Estimate establishes the funds available for SHOPP purposes. Whenever the Department identifies a project cost increase or a new project to add to the SHOPP, it will identify the source of funding for the increase of new projects, whether from a SHOPP reservation, program contingencies, or from the deletion or decrease in cost of another project or projects.
5. **Project cost and scoping:** No project will be included in the SHOPP or Long Lead list unless the Department has a completed project initiation document.
6. **Review of project programming:** The Department will develop its biennial proposed SHOPP in accordance with these strategies. In addition, the Department will continually conduct comprehensive reviews of the SHOPP in accordance with these strategies.
7. **Total Project Budget:** Six project budget components, consisting of two capital outlay and four capital outlay support, for each project are reflected for each programmed project.

The objectives of these strategies are:

- Develop a SHOPP program that addresses the needs and priorities identified in the Ten-Year State Highway Operation and Protection Plan;
- Ensure that state resources used for the operation and protection of the state highway system are focused on the highest priority needs; and
- Ensure that the SHOPP reflects a specific project delivery plan and commitment.

Exhibit B

2016 State Highway Operation and Protection Program
Funding Summary for Fiscal Years 2016-17 through 2019-20*
($ Millions)

Program Funding		**2016-17**	**2017-18**	**2018-19**	**2019-20**	**Total**
2014 Fund Estimate		$2,300	$2,400	$2,400	$2,400	$9,500
ER Reimbursement		$140	$140	$140	$140	$560
Programmed		**2016-17**	**2017-18**	**2018-19**	**2019-20**	**Total**
Major Damage Restoration		103	129	-	-	233
Collision Reduction		591	868	356	380	2,194
Mandates		185	142	137	167	632
Bridge Preservation		324	573	138	416	1,451
Roadway Preservation		795	441	823	949	3,007
Mobility		48	52	199	136	434
Roadside Preservation		13	-	30	11	54
Facilities		17	31	22	-	70
	Subtotal	$2,074	$2,237	$1,705	$2,059	$8,076
Reserved		**2016-17**	**2017-18**	**2018-19**	**2019-20**	**Total**
Major Damage Restoration		162	140	240	240	782
Collision Reduction		52	-	84	56	192
Mandates		-	-	-	-	-
Bridge Preservation		-	-	35	-	35
Roadway Preservation		-	-	100	-	100
Mobility		1	2	205	4	212
Roadside Preservation		1	1	21	21	43
Facilities		-	-	-	10	10
	Subtotal	$216	$143	$685	$331	$1,374
Programmed and Reserved		**2016-17**	**2017-18**	**2018-19**	**2019-20**	**Total**
Major Damage Restoration		266	269	240	240	1,015
Collision Reduction		643	868	440	436	2,387
Mandates		185	142	137	167	632
Bridge Preservation		324	574	172	416	1,486
Roadway Preservation		795	441	923	949	3,107
Mobility		48	54	404	140	646
Roadside Preservation		14	1	51	32	97
Facilities		17	31	22	10	80
	Subtotal	$2,290	$2,380	$2,390	$2,390	$9,450
Minor Program Reservation		150	160	150	150	610
	Total	**$2,440**	**$2,540**	**$2,540**	**$2,540**	**$10,060**

* Excludes Proposition 1B bond funds.

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

Exhibit B

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 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.

Mobility:

Reservations are for Commercial Vehicle Enforcement Facilities (201.321) projects consistent with the Ten-Year Weigh Station “Inventory of Needs”.

Roadside Preservation:

Reservations are for Surface Mining and Reclamation Act and Advance Mitigation (201.240) obligations.

Minor Program:

An annual reservation is held for the SHOPP Minor program.

Exhibit C

2016 SHOPP Long Lead Projects

Dist	County	Route	Post Miles	Location/Description	EA	FY	Initial Project Cost Estimate
02	Siskiyou	3	38.0/38.6	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	$ 7,817
03	Sacramento	51	2.6/3.0	In the city of Sacramento at the American River Bridge No.24-0003. Widen and replace bridge deck.	3F070	2019-20	$ 137,250
04	San Mateo	82	R12.9/R15.9	In Burlingame, Hillsborough, and Millbrae, from Barroilhet Avenue to Millbrae Avenue. Upgrade curb ramps and sidewalks to ADA standards.	1G900	2022-23	$ 16,184
04	Solano	12	20.6/26.4	In and near Rio Vista, from Currie Road to Sacramento County line. Roadway rehabilitation.	0J630	2021-22	$ 102,193
05	Monterey	1	20.9/21.3	Near Lucia from 0.1 mile south to 0.2 mile north of Limekiln Creek Bridge No. 44-0058. Replace bridge.	1F510	2024-25	$ 83,129
05	Santa Barbara	1	M33.1	Near Lompoc, at San Antonio Creek Bridge No. 51-0237 L/R. Bridge scour mitigation	1F810	2020-21	$ 1,701
05	Santa Barbara	101	R36.6	Near Goleta at Refugio Road Undercrossing No. 51-0215 L/R. Replace bridges.	1C950	2022-23	$ 36,960
05	Santa Barbara	154	22.9/23.2	Near Lake Cachuma at Cold Spring Canyon Bridge No.51-0037. Install inspection access system below bridge and paint structure.	1C420	2020-21	$ 20,117
10	San Joaquin	5	26.5	At Stockton Channel Viaduct (#29 0176L/R)In Stockton, at the Stockton Channel Viaduct Bridge No. 29-0176 L/R. Bridge rehabilitation to address structural and load carrying capacity deficiencies.	0X460	TBD	$ 819,169
11	San Diego	75	R20.5/R22.0	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	$ 2,593

Exhibit D

Highway Safety, Rehabilitation and Preservation Account (Proposition 1 B) Projects

($1,000)

District	County	Route	Post Miles	Location/Description	EA	Delivery Year	Support	Capital
04	Alameda	80	Var	In Alameda, Contra Costa, and Solano counties, on Routes 80, 580 and 980 at various locations. Install traffic operations systems (TOS).	15500	2016-17	$ 9,600	$ 31,825
11	San Diego	905	9.6/11.4	In and near San Diego, at the Route 905/125/11 Separation. Construct southbound freeway to freeway connectors from Route 125 to eastbound Route 905 and Route 11.	28882	2017-18	$ -	$ 49,747
Total							$ 9,600	$ 81,572

Note: Estimated costs do not include bond administrative fees.

2016 SHOPP Regional Transportation Planning Agency Comments

AGENCY COMMENTING **PAGE NO.**

Orange County Transportation Authority (OCTA)……22

San Diego Association of Governments (SANDAG) ……24

Mariposa County Local Transportation Commission……26

Tuolumne Country Transportation Council……27

Sacramento Area Council of Governments (SACOG) ……31

El Dorado County Transportation Commission (EDCTC) ……33

Placer County Transportation Planning Agency (PCTPA)……37

Sierra County……39

Assembly California Legislature - Assembly Transportation Committee……40

Butte County Association of Governments (BCAG) ……41

California State Senate - Fourth Senate District……42

Santa Cruz County Regional Transportation Commission (SCCRTC) ……45

Metropolitan Transportation Commission (MTC) ……49

OCTA

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December 10, 2015

Ms. Donna Berry
SHOPP Program Manager
Division of Transportation Programming
California Department of Transportation
1120 N Street, MS-82
Sacramento, CA 95814

Re: **Draft 2016 State Highway Operations Protection Program**

Dear Ms. Berry:

Thank you for the opportunity to review the California Department of Transportation's (Caltrans) draft 2016 State Highway Operations Protection Program (SHOPP). The Orange County Transportation Authority (OCTA) is supportive of Caltrans' SHOPP goals to reduce collisions by upgrading highway safety features, fulfill mandates related to storm water and Americans with Disabilities Act upgrades, continued roadway preservation efforts, and implementation of mobility projects that will help manage current and future congestion.

As development continues on the proposed SHOPP projects, OCTA requests Caltrans coordinate these efforts with active Measure M2 (M2) freeway project development efforts that are currently underway. OCTA and Caltrans are working on approximately seven freeway projects that could be impacted by the proposed SHOPP, and we request that Caltrans coordinate SHOPP safety, preservation, and mobility project development efforts with M2 projects to ensure a coordinated implementation approach (Attachment).

For the proposed safety project on State Route 22 (SR-22) (PPNO 2941/EA 0M900), OCTA requests that Caltrans consider an enhanced outreach effort as the project moves forward in the environmental process. This safety project would shorten the existing collector-distributor (CD) road concrete barrier, reconfigure the eastbound SR-22 mainline by striping-in a new auxiliary lane, widen the "horseshoe" connector on the interior, and restrict access to the eastbound SR-22 from the reconfigured CD road. Given the access modification, OCTA requests enhanced coordination with the cities of Orange and Santa Ana as part of this proposed project.

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

Ms. Donna Berry
December 10, 2015
Page 2

In addition, OCTA requests further details on the proposed intelligent transportation system and transportation management system projects on Interstate 5, State Route 57, and State Route 91 (PPNO 285B, 2350J, and 4532). OCTA met with Caltrans regarding these projects, which would improve freeway and arterial traffic coordination efforts. We look forward to more details as the projects move into the environmental process.

Sincerely,

Kia Mortazavi
Executive Director, Planning

KM:kb
Attachment

c: Jim Kaufman, Caltrans
Lan Zhao, Caltrans
Jim Biel, OCTA

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Mexico

December 3, 2015 File Number 1500000

Mr. Bruce DeTerra, Division Chief
Division of Transportation Programming
California Department of Transportation
1120 N Street
Sacramento, CA 95814

Dear Mr. DeTerra:

SUBJECT: 2016 State Highway Operation and Protection Program SANDAG Comments

This letter is in response to your November 9, 2015, request for comments on the draft 2016 State Highway Operation and Protection Program (SHOPP). SANDAG appreciates the opportunity to review and comment. In general, SANDAG appreciates the investment that Caltrans is making to improve the safety and conditions of the state highway system and recognize the challenges presented by limited funding.

As stated in previous SHOPP cycles, SANDAG continues to encourage a greater focus on Mobility projects in the SHOPP. Investments in the Mobility Program can provide significant, near-term benefits to the travelling public. In terms of regional mobility priorities, SANDAG has dedicated the first $7.2 million toward the design phase for the State Route (SR) 125 to SR 905 and SR 125 to SR 11 southbound to eastbound connectors in order to be ready when funding becomes available. SANDAG is eager to partner with the SHOPP Program on delivery of this high-priority project, and is committed to looking for additional funds, subject to SANDAG Board of Directors approval, to do so. Improving operations in the border corridor will enhance SANDAG's ability to move goods and people more efficiently.

With limited SHOPP funding, SANDAG supports getting projects "shovel ready" in order to attract funding when opportunities arise. The "G13" process provides an excellent opportunity to further these efforts. The proposed operational improvements within the Mobility Program in the 2016 SHOPP include the fully-funded Interstate 5 (I-5) auxiliary lane from SR 52 to Gilman Drive, and another auxiliary lane on I-5 between La Jolla Village Drive and Genesee Avenue, identified as a G13 contingency project funded for design. The region is eager to see these projects completed to improve operations in the I-5 corridor in the vicinity of the region's largest employment center.

Finally, we want to acknowledge and thank Caltrans for partnering with SANDAG on the delivery of the I-5/Interstate 8 West to North Connector Improvements Project. We are happy to see the project is now open for public use. We also appreciate the partnership between Caltrans and the

County of San Diego to deliver the SR 67/Dye Road Operational Improvement Project, which was advertised on November 23, 2015. SANDAG anticipates the start of construction after award, currently scheduled for early 2016. These types of operational improvements are much needed to enhance mobility in the region.

Should you have any questions, please contact Dawn Vettese at (619) 595-5346 or via email at dawn.vettese@sandag.org.

Sincerely,

GARY L. GALLEGOS
Executive Director

GGA/DVET/epo

2

Mariposa County
Local Transportation Commission

4639 Ben Hur Road
Mariposa, CA 95338
(209) 966-5356 office
(209) 966-2828 fax
www.mariposacounty.org

November 24, 2015

Ms. Donna Berry
SHOPP Program Manager
Division of Transportation Planning
California Department of Transportation
1120 N Street, MS-82
Sacramento, CA 95814

RE: Draft 2016 SHOPP Comments - Mariposa County

Ms. Berry:

Thank you for the opportunity to comment on the Draft 2016 State Highway Operations and Protection Program (SHOPP). The Mariposa County Local Transportation Commission (Mariposa LTC) appreciates the recognition of the SHOPP needs within Mariposa County as evident by the recommendation of almost $10.5 million for the various projects included in the 2016 SHOPP.

The Mariposa LTC places a very high priority on projects to address safety concerns along State Routes 140 and 49, which are combined for a distance of approximately one mile through the Town of Mariposa. The County has been working closely with the California Department of Transportation, District 10 for a number of years to improve pedestrian safety and provide accessibility in accordance with the Americans with Disabilities Act in this area.

We are pleased to see the Mariposa Crosswalk project (0Y600) programmed in the Draft 2016 SHOPP, and eagerly await the SR140 Curb Ramps and Sidewalk Installation project (0Y590) being ready for programming.

Thank you for the opportunity to comment on the Draft 2016 SHOPP and emphasize the importance of the projects in Mariposa County. If we can provide any additional information, please do not hesitate to contact Tony Stobbe, Mariposa LTC Executive Director, at (209) 966-5356.

Sincerely,

Marshall Long, Chair
Mariposa County Local Transportation Commission

cc: Dennis Agar, District 10 Director, Caltrans

Michael Ayala
Chairman

Darin Grossi
Executive Director

TUOLUMNE COUNTY TRANSPORTATION COUNCIL

December 15, 2015

Ms. Donna Berry, PE
Caltrans SHOPP Program Manager
Division of Transportation Programming
1120 N Street MS-82
Sacramento, CA 95814

Subject: Comments on the Draft 2016 SHOPP Project List

Dear Ms. Berry,

Thank you for the opportunity to comment on the Draft 2016 SHOPP List of Projects. We appreciate Caltrans commitment to rehabilitating and improving the State Highway Corridors in Tuolumne County. We strongly support the 2016 Draft SHOPP list of projects for Tuolumne County as it recognizes the need for rehabilitating the roadway pavement in Tuolumne County. The Draft 2016 SHOPP includes $77,109,000 in projects for Tuolumne County and is an increase of $19,102,000 from the 2014 SHOPP.

We have attached our list of high priority SHOPP candidate projects for consideration in the 2018 SHOPP. These priority projects have been developed in consideration of accident history, black spot analysis, need for consistency with Federal design standards and ADA access needs. These projects will facilitate a balanced multi-modal transportation system consistent with the California Transportation Plan. We request that Caltrans review and analyze TCTC's list of SHOPP candidate projects for Tuolumne County and consider a project initiation document (PID) for these projects in preparation for the 2018 SHOPP.

If you have any questions about our SHOPP candidate projects feel free to contact me at 209-533-5583.
Sincerely,

Darin Grossi
Executive Director

CC: Dennis Agar – District 10 – District 10 Director
Carl Baker – District 10 – Chief of Rural Planning

Attachment: Tuolumne County's SHOPP Candidate List of Projects

A.N. Francisco Building
48 West Yaney Street

Mailing: 2 South Green Street
Sonora, CA 95370

Phone: 209/533-5603
Fax: 209/533-5698

SHOPP Candidate CIP List								
Legal & Regulatory Mandates - ADA Pedestrian Infrastructure								
Project Name	Priority	Funding Source	Agency	Distance (Miles)	Description	Cost ($1,000)	Construction Year	Purpose-Need
Roundabout at SR 49/Columbia Way Intersection Complete Streets Improvements	Tier 1a	SHOPP	Caltrans	0.1	Construct ADA pedestrian, operational, and geometric improvements at SR 49/North Washington St/Columbia Way/School St intersection.	3,000	2020	Operational & ADA Improvements
Jamestown Complete Streets - SR 108/49 from South Main Street to Fifth Ave	Tier 1a	SHOPP	Caltrans	0.1	Construct ADA pedestrian and bicycle improvements on SR 49 from South Main St to Fifth Ave.	TBD	2020	ADA Pedestrian

SHOPP Candidate CIP List								
Mobility Improvement - Operational Improvements								
Project Name	Priority	Funding Source	Agency	Distance (Miles)	Description	Cost ($1,000)	Construction Year	Purpose-Need
SR 108 & South Washington & Lime Kiln Intersection Operational Improvements	Tier 1a	SHOPP	Caltrans & TCTC Partnership	0.1	Construct operational improvements at SR 108 and S. Washington and Lime Kiln Rd.	TBD	2020	Operational & ADA Improvements
SR 49 Realignment of curve from Jack Ass Hill Rd to Tin Horn Mine Rd	Tier 1a	SHOPP	Caltrans	0.3	Construct curve realignments from Jack Ass Hill Rd to Tin Horn Mine Rd.	TBD	2020	Safety & Operational
SR 108/120 Eastbound Realignment of Rockhouse Curve from 2.6 miles east of Tulloch Rd	Tier 1a	SHOPP	Caltrans	0.3	Construct curve realignments for SR 108/120 eastbound for the Rockhouse Curve which is 2.6 miles east of Tulloch Rd.	TBD	2020	Safety & Operational
SR 108/49 - Chicken Ranch Rd to South Main St - Continuous Left Turn Lane	Tier 1a	SHOPP	Caltrans	1.1	Construct an continuous left turn lane along SR 108/49 from the Chicken Ranch Rd to South Main St.	1,400	2020	Operational

Tuolumne County Transportation Council								
SHOPP Candidate CIP List								
Collision Reduction - Safety Improvements								
Project Name	Priority	Funding Source	Agency	Distance (Miles)	Description	Cost ($1,000)	Construction Year	Purpose-Need
SR 120 & 49 near Moccasin - Left Turn Channelization	Tier 1a	Minor SHOPP	Caltrans	0.1	Construct a new left turn channelization to improve safety and improve traffic flow.	900	2020	Safety
SR 120 & Old Priest Grade - Top of Grade- Left Turn Channelization	Tier 1a	Minor SHOPP	Caltrans	0.1	Construct a new left turn channelization to improve safety and improve traffic flow.	900	2020	Safety
SR-49 Left Turn Lane Channelization Shaws Flat Rd	Tier 1a	Minor SHOPP	Caltrans	0.1	Construct a left turn channelization along SR 49 at Shaws Flat Rd/Jamestown Rd.	900	2020	Safety
SHOPP Candidate CIP List								
Collision Reduction - Collision Severity Reduction								
Project Name	Priority	Funding Source	Agency	Distance (Miles)	Description	Cost ($1,000)	Construction Year	Purpose-Need
SR 120 Install Guardrails from west of Old Priest Grade to Coulterville Rd	Tier 1a	Minor SHOPP	Caltrans	TBD	Install Guardrails along SR 120 from old Priest Grade to Coulterville Rd where appropriate.	TBD	2020	Safety
SHOPP Candidate CIP List								
Legal & Regulatory Mandates - ADA Pedestrian Infrastructure								
Project Name	Priority	Funding Source	Agency	Distance (Miles)	Description	Cost ($1,000)	Construction Year	Purpose-Need
Sonora Complete Streets - SR 49 from Snell/Elkin to Southgate/Forest Dr	Tier 1a	SHOPP	Caltrans	0.1	Construct ADA pedestrian and bicycle improvements on SR 49 from Snell/Elkin to Southgate /Forest Dr.	TBD	2020	ADA Pedestrian
Groveland Complete Streets - SR 108/49 from Deer Flat Rd to Tenaya School	Tier 1a	SHOPP	Caltrans	0.1	Construct ADA pedestrian and bicycle improvements on SR 49 from Deer Flat Rd to Tenaya School.	TBD	2020	ADA Pedestrian

SHOPP Candidate CIP List								
Bridge Preservation - Bridge Rehabilitation								
Project Name	Priority	Funding Source	Agency	Distance (Miles)	Description	Cost ($1,000)	Construction Year	Purpose-Need
SR 49(Stockton Rd) - Sonora Creek Bridge Improvements	Tier 1a	SHOPP	Caltrans	0.1	Rehab a functionally obsolete bridge @SR 49(Stockton Rd) between Green St and Bradford St and construct ADA pedestrian improvements along the bridge.	TBD	2020	Bridge & ADA Improvements
SR 108/49 - Woods Creek Bridge Improvements	Tier 1a	SHOPP	Caltrans	0.1	Rehab the bridge @SR 108/49 between Bell Mooney Rd and Victoria Place and construct ADA pedestrian improvements along the bridge.	TBD	2020	Bridge & ADA Improvements

Sacramento Area Council of Governments

1415 L Street,
Suite 300
Sacramento, CA
95814

tel: 916.321.9000
fax: 916.321.9551
tdd: 916.321.9550
www.sacog.org

December 15, 2015

Amarjeet Benipal
Director, Caltrans District 3
703 B Street
Marysville, CA 95901

RE: Caltrans Draft 2016 State Highway Operations and Protection Program (SHOPP)

Dear Mr. Benipal:

The Sacramento Area Council of Governments (SACOG), representing six counties and 22 cities in our region, is hereby submitting this letter in overall support of Caltrans and the draft 2016 State Highway Operations and Protection Program (SHOPP). In particular, SACOG is encouraging the development of the five projects described below which help promote SACOG's mission statement of "achieving an efficient regional transportation system, innovative and integrated regional planning, and a high quality of life within the greater Sacramento region." These projects are also consistent with our "fix-it-first" policy, which is the focus of the Draft 2016 MTP/SCS, and a priority for the region.

1.) American River Bridge Deck Rehabilitation – SR 51
The purpose of this project is to widen and replace the deck on the American River Bridge on SR 51 in Sacramento County. The project will repair, protect, and extend the surface life of the deck. It will also delay the need for major rehabilitation or replacement of the bridge. This project has also presented an opportunity for SACOG and Caltrans to partner and leverage SHOPP and regional funding to begin implementation of the corridor's overall multimodal, multijurisdictional mobility needs. This project is a regional priority that has garnered strong local and regional support.

2.) US 50 Pavement Rehabilitation – Sacramento County
Through the resurfacing, restoration, and rehabilitation (3R) on US 50 between I-5 and Watt Avenue, this project will extend the service life of the pavement and reduce maintenance expenditures. This project is needed due to the deterioration of the existing Portland Cement Concrete (PCC) pavement and poor ride quality that requires annual maintenance to repair and maintain.

Auburn
Citrus Heights
Colfax
Davis
El Dorado County
Elk Grove
Folsom
Galt
Isleton
Live Oak
Lincoln
Loomis
Marysville
Placer County
Placerville
Rancho Cordova
cklin
Roseville
Sacramento
Sacramento County
Sutter County
West Sacramento
Wheatland
Winters
Woodland
Yolo County
Yuba City
Yuba County

Sacramento Area
Council of
Governments

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3.) I-5 Rehabilitation – Sacramento County
Through 3R on I-5 between the Cosumnes River Boulevard Interchange and the American River Bridge, this project will extend the service life of the pavement, reduce maintenance expenditures, and improve ride quality along the corridor. Additionally, this project will include the creation of Intelligent Transportation System elements and Bus/Carpool/Transit Preferential Lanes.

4.) US 50 Rehabilitation – Yolo County
Through Rehabilitation and Restoration (2R) on US 50 between the I-80 interchange and the Sacramento River Viaduct, this project will extend the service life of the pavement and reduce maintenance expenditures. The existing pavement is exhibiting moderate to severe structural failure.

5.) SR 84 Rehabilitation – Yolo County
Through rehabilitation, this project will preserve and extend the life of the existing pavement and improve ride quality on SR 84 between PM 0.0 and PM 15.68.

These projects, and the SHOPP overall, are important for the safety and quality of life for travelers in the Sacramento region and beyond. They support economic vitality and fix infrastructure deficiencies before they can deteriorate further. SACOG supports moving forward with programming SHOPP funding for these projects as they are critical in ensuring an efficient, safe, and well maintained regional transportation system.

Sincerely,

Matt Carpenter
Director of Transportation Services

el dorado county
edctc
TRANSPORTATION COMMISSION
2828 Easy Street Suite 1, Placerville, CA 95667 530.642.5260 www.edctc.org

December 10, 2015

Amarjeet Benipal
Director, Caltrans District 3
703 B Street
Marysville, CA 95901

RE: Camino Corridor Safety Project US Highway 50 El Dorado County

Dear Mr. Benipal:

EDCTC strongly supports the completion of the Camino Corridor Safety Project on US Highway 50 in El Dorado County. Completion of this project will resolve the significant collision danger currently existing on this portion of US Highway 50. Due to the much higher average collision rate of .90 on this segment of US Highway 50 compared to the state-wide average collision rate of .75, the project has garnered strong regional and local support as a high priority project that will improve local, regional, and interregional traveler safety on US Highway 50 in the Camino Community.

As the Regional Transportation Planning Agency for the West Slope of El Dorado County, EDCTC worked closely with Caltrans and El Dorado County to develop the Project Study Report-Project Development Support Project Initiation Document (PSR-PDS) in 2009. A traffic study completed in conjunction with the PSR-PDS indicated significant operations and safety issues in the Camino Corridor on US Highway 50 at un-signalized intersections within the project limits. Since the study was completed, additional collisions, including multiple fatalities, have occurred in the project area. Turning movements to access local roads and driveways north and south of US Highway 50, including the highly recognized Apple Hill attractions, result in significant delay and conflict locations. Bicycle or pedestrian access north and south of US Highway 50 does not currently exist near the project area, forcing cyclists and pedestrians to either cross four lanes of a high-speed highway or choose out of direction travel routes. The Camino Corridor Safety Project will be constructed in coordination with improvements to the local road network. The local road network elements will mitigate for the loss of access north and south of US Highway 50 due to the installation of a permanent barrier rail. Funded through local and federal sources, these improvements will further enhance mobility and safety by including bicycle and pedestrian elements with the proposed undercrossing of US Highway 50.

The proposed project, identified as the *"US Highway 50 Camino Corridor Safety and Operations Improvements Project,"* was determined to be a priority project in the 2005-2025 El Dorado County Regional Transportation Plan and 2030 Sacramento Area Council of Governments Metropolitan Transportation Plan. The project was highlighted in the regional plans through an extensive public outreach and local, regional, and state agency collaboration. The project is also consistent with the Caltrans US 50 Corridor System Management Plan and Transportation Corridor Concept Report. Caltrans, EDCTC, and El Dorado County participated in multiple Stakeholder Advisory Committee meetings and public workshops, all of which received strong community and local and regional agency support.

The Camino Corridor Safety Project is vastly important to the safety of all motorists traveling on US Highway 50 in El Dorado County. EDCTC supports Caltrans and El Dorado County's desire to move

forward with programming SHOPP funding to begin the next phases of project development to ensure additional accidents, injuries, and fatalities do not occur on this dangerous segment of US Highway 50 in El Dorado County.

Sincerely,

Sharon Scherzinger, Executive Director
El Dorado County Transportation Commission

Berry, Donna M@DOT

From: Cunningham, Eileen R@DOT
Sent: Tuesday, December 08, 2015 9:13 AM
To: Berry, Donna M@DOT
Cc: Morneau, Jeffrey A@DOT
Subject: FW: Follow-up: Draft Caltrans 2016 SHOPP Project List for Review and Comment

Categories: 2016 SHOPP

Hi Donna,

Please see El Dorado County Transportation Commission's comments on the Draft 2016 SHOPP below.

Regards,

Eileen Cunningham
Regional Planning Liaison/Intergovernmental Review Coordinator
Division of Planning and Local Assistance
California Department of Transportation, District 3
(916) 274-0639 | eileen.cunningham@dot.ca.gov

From: Sharon Scherzinger [mailto:sscherzinger@edctc.org]
Sent: Monday, December 07, 2015 4:37 PM
To: Cunningham, Eileen R@DOT; Jerry Barton
Cc: Morneau, Jeffrey A@DOT; Haven, Nick@TRPA; Carl Hasty
Subject: RE: Follow-up: Draft Caltrans 2016 SHOPP Project List for Review and Comment

Hi Eileen,
We have reviewed the projects listed for the western slope of El Dorado County. We particularly support the Transportation Management System elements on US Highway 50 because it aligns with the findings of the recently completed Bay to Basin Study. Thank you for the opportunity to comment and please let me know if you have any further questions. Sharon

Sharon Scherzinger, Executive Director
El Dorado County Transportation Commission
(530) 642-5260

www.edctc.org

From: Cunningham, Eileen R@DOT [mailto:eileen.cunningham@dot.ca.gov]
Sent: Tuesday, November 24, 2015 8:51 AM
To: Sharon Scherzinger <sscherzinger@edctc.org>; Jerry Barton <jbarton@edctc.org>
Cc: Joni Rice <jrice@edctc.org>; Morneau, Jeffrey A@DOT <jeffrey.morneau@dot.ca.gov>
Subject: Follow-up: Draft Caltrans 2016 SHOPP Project List for Review and Comment

Hi Sharon and Jerry,

Following up on Director Dougherty's email regarding the draft 2016 SHOPP comment period, I'd like to ensure that you've received the review request below.

Please let me know if you have any questions. Also, please note that comments are due on 12/15/15.

Happy Thanksgiving!

Eileen Cunningham
Regional Planning Liaison/Intergovernmental Review Coordinator
Division of Planning and Local Assistance
California Department of Transportation, District 3
Office: (916) 274-0639
Email: eileen.cunningham@dot.ca.gov

From: "Dougherty, Malcolm X@DOT" <malcolm.dougherty@dot.ca.gov>
Date: November 13, 2015 at 4:51:52 PM PST
Subject: REVISED- Draft Caltrans 2016 State Highway Operations and Protection Program Project List for Review and Comment

Executive Directors
Regional Transportation Agencies:

The attached letter invites your review and comments on the Draft California Department of Transportation (Caltrans) 2016 State Highway Operations and Protection Program (Draft 2016 SHOPP) Project List.

The link below takes you directly to the Draft 2016 SHOPP Project List, a 300 page document:

http://www.dot.ca.gov/hq/transprog/SHOPP/2016%20SHOPP/draft-2016-shopp-project-list-v3.0_11-9-2015.pdf

Additional information regarding the SHOPP Program, and links to previously approved SHOPP documents, are available at this
link:

http://www.dot.ca.gov/hq/transprog/shopp.htm

Should you have questions regarding the SHOPP projects in your area, please contact your local Caltrans District Office.

Comments regarding the Draft 2016 SHOPP Project List must be submitted, in writing, to Caltrans no later than December 15, 2015.

Thank you.

MALCOLM DOUGHERTY
Director

2

PLACER COUNTY
TRANSPORTATION
PLANNING AGENCY

KEITH NESBITT
City of Auburn
TONY HESCH
City of Colfax
STAN NADER
City of Lincoln
BRIAN BAKER
Town of Loomis
DIANA RUSLIN
City of Rocklin
SUSAN ROHAN
City of Roseville
JIM HOLMES
KIRK UHLER
Placer County
RON TREABESS
Citizen Representative
CELIA McADAM
Executive Director

December 15, 2015

Ms. Donna Berry, SHOPP Program Manager
Division of Transportation Programming
California Department of Transportation
1120 N Street, MS-82
Sacramento, CA 95814

RE: Comments on the Draft 2016 State Highway Operations and Protection Program Project List

Dear Ms. Berry,

Thank you for the opportunity to review and comment on the Draft 2016 State Highway Operations and Protection Program (SHOPP) Project List. The Placer County Transportation Planning Agency (PCTPA) has a long history of partnering with Caltrans District 3 on improving and maintaining the state highway system. We appreciate Caltrans' continued commitment to improving safety and the focus on fix-it-first for the aging state highway system. Specially, Caltrans is currently working on the Raise I-80 project to improve goods movement and in recent years completed repaving I-80 from South Placer County to the Lake Tahoe area, which improves the quality of life for Placer County residents, businesses, visitors.

As noted in the 2015 Ten-Year SHOPP Plan, there is a need of $8 billion per year to maintain the existing state highway system in California, yet the current 2016 SHOPP includes only $2.3 billion per year. In our continued efforts to make the best use of limited funding, we have partnered with Caltrans District 3 to complete a collision reduction project on SR 65 from I-80 to Galleria Boulevard/Stanford Ranch Road (EA 03-0H260). This project, which is a first phase of the I-80/SR 65 interchange, is a top priority of the PCTPA Board to improve safety on the I-80 and SR 65 freeways. There have been 13 fatalities in the past six years along these two corridors in South Placer County and the $21.7 million included on the 2016 SHOPP Project List is a critical source to improve safety.

We appreciate Caltrans' continued commitment to fix-it-first, including the SHOPP funding to repave SR 65 from I-80 to the City of Lincoln (EA 03-F020), which was included in the 2014 SHOPP and is planned for construction in 2016. SR 65 in South Placer County is a critical component to the local and regional economy, with traffic volumes over 100,000 vehicles per day north of I-80.

The 2016 SHOPP includes roadway preservation funding of $4.85 million for SR 49 in Auburn from I-80 to Dry Creek Road (EA 03-2F340) for the environmental and design phases. We appreciate that funding for the environmental and design phases are fully funded in the 2016 SHOPP, and we look forward to coordinating with Caltrans District 3 to move this project

299 Nevada Street • Auburn, CA 95603 • (530) 823-4030 (tel/fax)

Ms. Donna Berry
California Department of Transportation
December 15, 2015
Page 2

forward. It is our understanding that this project has been placed on a contingency list and construction could move forward if additional funding is identified.

PCTPA is currently considering a potential local sales tax measure on the November 2016 ballot and maintenance and operational improvements on SR 49 is a key project on the draft expenditure plan that was authorized to be released for public discussion by the PCTPA Board on August 26, 2015. PCTPA requests that roadway preservation on SR 49 be considered a top priority so that the project would be able to be under construction once project design is completed in FY 2017/18.

While the 2016 SHOPP Project List identifies funding for projects through FY 2019/20, there may be specific, not-yet-identified projects on the state highway system. PCTPA recognizes the importance of reserves in the 2016 SHOPP to address unanticipated safety and operational issues.

The proposed 2016 SHOPP Project List includes several drainage improvements along I-80 in Placer County, but excludes any safety or operational improvements along the corridor. The *California Freight Mobility Plan* (December 2014) is projecting a dramatic increase in goods movement by truck and I-80 is a key statewide freight corridor. I-80 through Placer County is the only freeway crossing the Sierra Nevada in the thousand miles between Bakersfield and Portland, and is estimated to carry $4.7 million dollars an hour in goods movement. As a critical goods movement corridor, consideration should be given to using reserve funding to address operational improvements such as ramp meters and auxiliary lanes to improve freight movement along the I-80 corridor.

We look forward to our continued successful partnership in improving safety and maintaining the state highway system in Placer County.

If you have any questions, please contact me at (530) 823-4030.

Sincerely,

Celia McAdam, AICP
Executive Director

LM:CM:ss

cc: Amarjeet Benipal, Director
Caltrans District 3

Zanchi, Susan E@DOT

From:	Zanchi, Susan E@DOT
Sent:	Wednesday, December 16, 2015 12:51 PM
To:	Zanchi, Susan E@DOT
Subject:	FW: Caltrans Draft 2016 SHOPP
Attachments:	Turnout Locations.pdf; 03-4F490 Partially Executed COOP rev MP 8-21-15.pdf

From: Bryan Davey [mailto:bdavey@sierracounty.ca.gov]
Sent: Wednesday, December 09, 2015 1:59 PM
To: Jacobson, Jennifer@DOT
Subject: RE: Caltrans Draft 2016 SHOPP

Hi Jennifer,

Sierra County has reviewed the Draft 2016 SHOPP and found that there is one project in Sierra County to upgrade current guardrail systems. We are supportive of that project but disappointed that the project of highest priority for Sierra County to construct truck pullouts on SR 89 between Sierraville and the County line is not included, as we have contributed County RTIP funds to the construction of that project. I've attached the details of the project we would like to have included in the SHOPP.

Bryan
530-289-3201

From: Jacobson, Jennifer@DOT [mailto:Jennifer.Jacobson@dot.ca.gov]
Sent: Friday, December 4, 2015 8:05 AM
To: Tim Beals <tbeals@sierracounty.ca.gov>
Cc: Bryan Davey <bdavey@sierracounty.ca.gov>; Zanchi, Susan E@DOT <susan.zanchi@dot.ca.gov>
Subject: Caltrans Draft 2016 SHOPP

Good Morning Tim,

I want to touch base with you about the Caltrans Draft 2016 SHOPP. Headquarters sent the Draft out to all the RTPAs and MPOs about a month ago and I want to make sure that you received it. I attached a copy of the document to this email.

Comments are due no later than **December 15, 2015** to:
Ms. Donna Berry, PE
SHOPP Program Manager
Division of Transportation Programming
Caltrans
1120 N Street, MS-82
Sacramento, CA 95814

Please contact me with any questions you may have.

Thank you and have a great weekend,

Jennifer Jacobson

1

Transportation Planner
Caltrans District 3
Division of Planning & Local Assistance-North
703 B Street
Marysville, CA 95901

Phone: (530) 741-5435
Email: jennifer.jacobson@dot.ca.gov

STATE CAPITOL
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SACRAMENTO, CA 942849-0116
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FAX: (916) 319-2193

Assembly
California Legislature

ASSEMBLY TRANSPORTATION COMMITTEE
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MELISSA A MELENDEZ
ADRIN NAZARIAN
PATRICK O'DONNELL

December 10, 2015

Mr. Malcolm Dougherty, Director
California Department of Transportation
1120 "N" Street, MS-49
Sacramento, CA 95814

RE: Camino Corridor Safety Project US Highway 50 El Dorado County

Dear Mr. Dougherty:

On Wednesday, December 2, 2015, my staff and I took a tour of El Dorado County to better understand the local, regional, and interregional transportation issues and opportunities as presented by the Caltrans District 3 Director, the El Dorado County Transportation Commission (EDCTC), El Dorado Transit, and local agency staff. The tour covered the full spectrum of transportation within El Dorado County's western slope, including delivery successes as well as needs and connecting the urban to rural interface of Sacramento to the Sierra Foothills and Lake Tahoe Basin. El Dorado County and the transportation practitioners therein must balance the economic benefits with the transportation impacts of tourism and recreation travel in this highly visited region serving as the gateway to the Lake Tahoe Basin. Nowhere was this more clearly presented than on US Highway 50 in the Camino Community east of Placerville, an area which experiences high volumes of tourism and recreation travel and higher than average collision and fatality rates.

The Camino Corridor Safety Project is important to the safety of all motorists traveling on US Highway 50 in El Dorado County. I support EDCTC and El Dorado County's desire for Caltrans to move forward with programming SHOPP funding to begin the next phases of project development to ensure additional accidents, injuries, and fatalities do not occur on this dangerous segment of US Highway 50 in El Dorado County.

As a legislator who is passionate about improving highway safety and mobility, I strongly support the completion of the Camino Corridor Safety Project on US Highway 50 in El Dorado County. Completion of this project will resolve the significant collision danger currently existing on this portion of US Highway 50. Due to the much higher average collision rate of .90 on this segment of US Highway 50 compared to the state-wide average collision rate of .75, the project has garnered strong regional and local support as a high priority project that will improve local, regional, and interregional traveler safety on US Highway 50 in the Camino Community.

Sincerely,

Honorable Jim Frazier, Chair
Assembly Transportation Committee

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BCAG
BUTTE COUNTY ASSOCIATION OF GOVERNMENTS

2580 Sierra Sunrise Terrace, Suite 100
Chico, California 95928-8441
(530) 879-2468 FAX (530) 879-2444
www.bcag.org

December 11, 2015

Susan Zanchi
Office of Transportation Planning - North
PO Box 911
Marysville, CA 95901

Subject: Draft 2016 State Highway Operation and Protection Program – Letter of Support

Ms. Zanchi:

Thank you for the opportunity to review and comment on the draft 2016 State Highway Operations and Protection Program (SHOPP) prepared by Caltrans. Please accept this letter as support for California Transportation Commission's approval of the 2016 SHOPP. The Butte County Association of Governments (BCAG) supports **all** Butte County projects identified in the draft SHOPP. Also, we'd like to highlight the State Route 70 Project at post miles 16.2/25.8 described as "PPNO: 9819 - Near Marysville, from Laurellen Road to South Honcut Creek Bridge. Widen shoulders and improve clear recovery zone."

This particular project located in Yuba County near Marysville will address a significant safety concern associated with a rural 2 lane highway in a heavy agriculture region. The much needed scope of the project is to widen the 2 lane highway with a new center turn lane and shoulders for an approximate distance of 9.6 miles. Highway 70 is a major goods movement trucking route for the region and subject to many head on fatalities. This safety project has been needed for a long time and I would like to extend my support to ensure Caltrans District 3.

Thank you for the opportunity to review and comment. Should you have any questions, please do not hesitate to call me or Mr. Iván García of my staff at 530-879-2468.

Sincerely,

Jon A. Clark
Executive Director

CAPITOL OFFICE
STATE CAPITOL
SACRAMENTO, CA 95814
(916) 651-4004

CHICO DISTRICT OFFICE
2653 FOREST AVE., STE. 110
CHICO, CA 95928
(530) 879-7424

CRESCENT CITY DISTRICT OFFICE
1080 MASON MALL, STE. 4
CRESCENT CITY, CA 95531
(707) 464-1255

ROSEVILLE DISTRICT OFFICE
2200A DOUGLAS BLVD., STE. 100
ROSEVILLE, CA 95765
(916) 772-0571

YUBA CITY DISTRICT OFFICE
409 CENTER ST., STE. C
YUBA CITY, CA 95993
(530) 751-8657

California State Senate

SENATOR
JIM NIELSEN
FOURTH SENATE DISTRICT

COMMITTEES
BUDGET & FISCAL REVIEW
HEALTH
INSURANCE
VETERANS AFFAIRS

RECD BY CTC
DEC 10 2015

December 7, 2015

Mr. Will Kempton, Executive Director
California Transportation Commission
1120 N Street, Room 2233 (MS-52)
Sacramento, CA 95814

Re: Draft 2016 State Highway Operations and Protection Program (SHOPP)

Dear Mr. Kempton:

Thank you for the opportunity to review the draft of the 2016 State Highway Operations and Protection Program (SHOPP) prepared by your department. Please accept this letter as support for the California Transportation Commission's approval of the 2016 SHOPP. In particular, I'd like to highlight the State Route 70 Project described as "PPNO: 9819 - *Near Marysville, from Laurellen Road to South Honcut Creek Bridge. Widen shoulders and improve clear recovery zone.*"

This project is very important for Yuba and Butte counties as it will address a significant safety concern associated with this section of the State Route 70 Corridor, which is heavily used by agriculture and for commuter and interregional travel. This much needed project will add a center left turn lane and improve the shoulders for a distance of 9.6 miles, improving the safety for this segment of the State Route 70 Corridor, which is part of the National Highway System (NHS).

I can personally attest to the need for these improvements as I frequently travel Highway 70 in the course of my Legislative duties. This stretch of Highway 70, as noted above, is used for multiple reasons often resulting in a mix of vehicles on the road, including drivers in cars, SUVs and trucks along with logging trucks and retail commercial tractor trailers as well as agricultural vehicles, busses and recreational vehicles towing boats and camping equipment.

At many times during the year and especially at the height of summer, when farmers are moving equipment along the highway and trucks are coming in and out of farms and processing stations, the

movement of so many vehicles on a two-lane road with limited shoulders makes for a very difficult and dangerous roadway. In addition, during this time the fruit stands along both sides of Highway 70 are in full operation and cars and trucks are pulling in and out of these driveways on the highway as well.

Over these many years the use of Highway 70 has increased exponentially and the need for this safety project as outlined in SHOPP is very apparent. For that reason, I would like to extend my full support to ensure that Caltrans' District 3 is able to implement this project as part of the 2016 SHOPP program.

I strongly encourage Caltrans and the California Transportation Commission to include this project as part of the 2016 SHOPP.

Again, I appreciate your consideration and look forward to hearing your response. If you have further questions or need additional information, please feel free to contact my Yuba City District Office at (530) 751-8657.

Sincerely,

Jim Nielsen

JIM NIELSEN
Senator, Fourth District

JN/ln

LUCETTA DUNN, Chair
BOB ALVARADO, Vice Chair
DARIUS ASSEMI
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SENATOR JIM BEALL, Ex Officio
ASSEMBLY MEMBER JIM FRAZIER, Ex Officio

WILL KEMPTON, Executive Director

STATE OF CALIFORNIA

EDMUND G. BROWN Jr., Governor

CALIFORNIA TRANSPORTATION COMMISSION
1120 N STREET, MS-52
SACRAMENTO, CA 95814
P. O. BOX 942873
SACRAMENTO, CA 94273-0001
FAX (916) 653-2134
(916) 654-4245
http://www.catc.ca.gov

December 16, 2015

The Honorable Senator Jim Nielsen, Fourth Senate District
409 Center Street, Suite C
Yuba City, CA 95993

Dear Senator Nielson:

Thank you for your December 7, 2015, letter in support of the Yuba County State Route 70 (SR-70) safety improvement project. This $101.7 million project is included in the Caltrans proposed 2016 Draft State Highway Operation and Protection Program (2016 Draft SHOPP) document. The project description in the document is "*Near Marysville, from Laurellen Road to South Honcut Creek Bridge. Widen shoulders and improve clear recovery zone – PPNO: 9819.*"

Although, the rehabilitation and reconstruction needs of the State Highway System far exceed available SHOPP funds, safety projects such as this are a high state priority. Your letter of support will be transmitted to Caltrans for inclusion into their 2016 Draft SHOPP document. Statutorily, Caltrans is required to deliver the 2016 Draft SHOPP to the Commission by no later than January 31, 2016. The Commission will consider and adopt the 2016 SHOPP at its March 2016 meeting.

Sincerely,

Will Kempton
Executive Director
California Transportation Commission

SANTA CRUZ COUNTY REGIONAL TRANSPORTATION COMMISSION
1523 Pacific Ave., Santa Cruz, CA 95060-3911 · (831) 460-3200 FAX (831) 460-3215 EMAIL info@sccrtc.org

December 10, 2015

Ms. Donna Berry, PE
SHOPP Program Manager
Department of Transportation Programming
Caltrans
1120 N Street, MS-82
Sacramento, CA 95814

Re: **2016 SHOPP - Highway 17 Wildlife Crossing Project**

Dear Ms. Berry:

The Santa Cruz County Regional Transportation Commission (RTC) highly recommends that Caltrans include the Highway 17 Wildlife Crossing Project on the Final 2016 SHOPP project list. The Land Trust of Santa Cruz County has been collaborating with Caltrans to create a safe passage for wildlife across Highway 17. This project has overwhelming support from the community to reduce the number of wildlife fatalities and improve driver safety. Caltrans District 5, the California Department of Fish and Wildlife, the California Wildlife Conservation Board, the UCSC Puma project and numerous Bay Area conservation organizations have identified the project as a top priority for improving habitat connectivity and wildlife protection in District 5. The project initiation document has been completed in 2015 in order to prioritize this project for the 2016 SHOPP.

The Land Trust of Santa Cruz County and community supporters of this project have made significant financial commitments to see that this project is realized. They have been actively engaged in protecting three properties on either side of Highway 17 near Laurel Curve to provide undeveloped wildlife habitat, ensuring the viability of the wildlife corridor. The Land Trust has spent $3.5 million to complete two land acquisitions, protecting 290 acres at the site. This includes $1 million from community donors showing their enthusiastic support for this project. The Land Trust is expected to complete the acquisition of a conservation easement on the third property in early 2016 for an additional $1.6 million. The Land Trust's Board of Trustees has pledged to raise $3 million in private donations to complete the wildlife undercrossing. They have also been very active in pursuing funding for this project from numerous conservation agencies. Please see fact sheet and project map from the Land Trust for additional history, need and the financial commitments the Land Trust has made towards this project.

The RTC has identified the project for funding in a county-wide sales tax measure for transportation to be brought to voters in November 2016. If the measure passes, $5 million is earmarked for the project. In a poll of likely voters conducted in May of this year, 73% expressed they would be willing to support the measure.

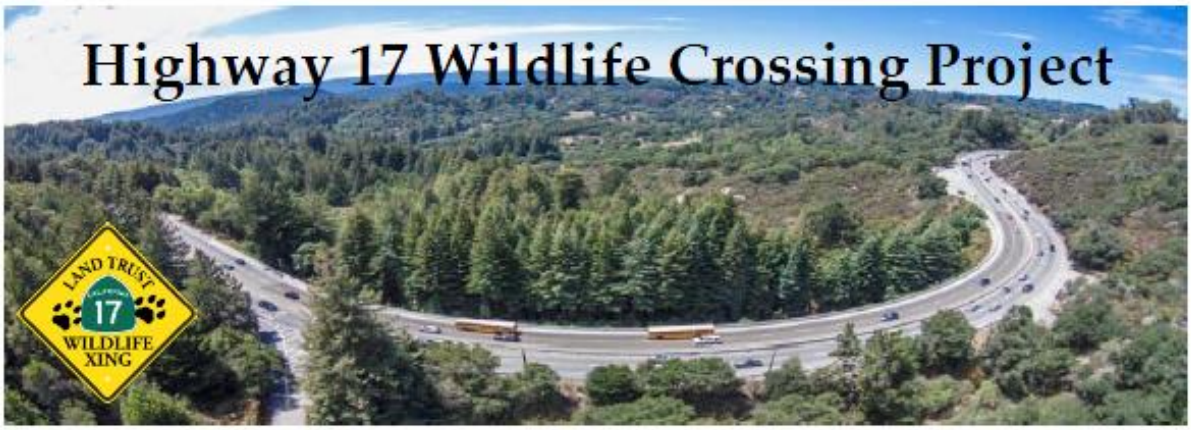
The RTC strongly urges Caltrans to include the Highway 17 Wildlife Crossing project on the Final 2016 SHOPP project list.

Sincerely,

George Dondero
Executive Director

Enclosures (2)

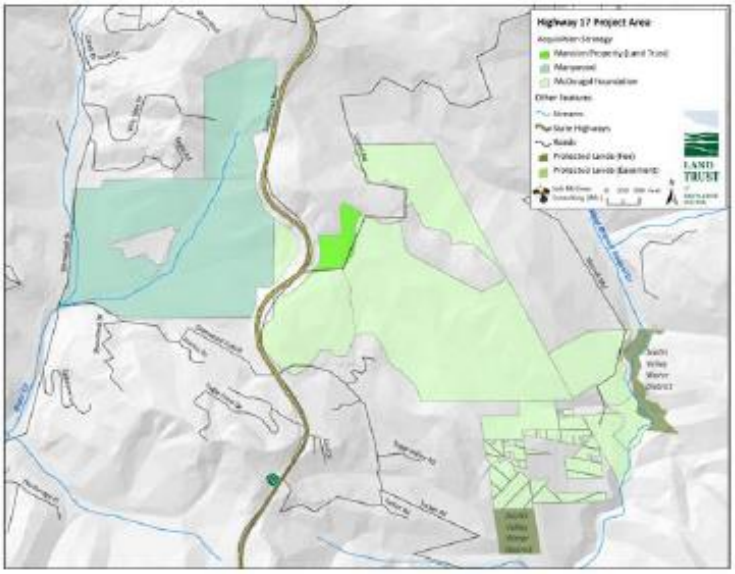
cc: Mr. Aaron Henkel and Ms. Aileen Loe, Caltrans District 5
Ms. Terry Corwin, Land Trust of Santa Cruz County



A Dangerous Highway – for Wildlife and Humans

Highway 17 is the major freeway connection between the San Francisco Bay Area and the Monterey Bay Region. More than 55,000 vehicles travel the highway each day (20 million vehicles a year).

The dense traffic, concrete median barriers, and lack of culvert or bridge undercrossings make Highway 17 a major barrier for wildlife moving through the Santa Cruz Mountains. As a result, Highway 17 has proved deadly for wildlife and humans—making it one of the most dangerous highways in the state.



A Collaborative Solution

The Land Trust of Santa Cruz County is collaborating with Caltrans to create a safe passage (wildlife tunnel) for wildlife across Highway 17. Biologists at Pathways for Wildlife and the UCSC Puma Project have identified Laurel Curve as the most feasible location for such a tunnel.

The Land Trust is seeking to protect three properties totaling 460 acres to provide undeveloped habitat on either side of the highway, ensuring the viability of the wildlife corridor. To date, the Land Trust has completed two of these transactions (the "Mansion" and "McDougal" properties on this map) and has protected 290 acres at the site. We have a signed Option Agreement to protect the third property ("Marywood" on the map) and expect to complete the acquisition and conservation easement on that property in mid 2016.

Caltrans' internal planning has recognized the importance of the wildlife corridor at Laurel Curve. Region 5 staff has been actively collaborating with the Land Trust on the project and is advancing a funding proposal to build a wildlife crossing as part of 2016 State Highway Operations and Protection Program (SHOPP). With this support, the Land Trust is now focused on completing the third land protection effort and increasing our outreach to secure state funding for construction of the wildlife tunnel.

The Best Possible Location

The Laurel Curve project site has all the components necessary for a successful wildlife crossing and to reconnect habitat currently fragmented by Highway 17:

1. Data collected at the site shows that mountain lions and deer routinely try to cross the highway at Laurel Curve. Five mountain lions have been killed trying to cross in the past five years.
2. The high level of wildlife movement has resulted in weekly collisions with motorists and is a safety threat.
3. There are large, undeveloped properties on either side of the highway that facilitate wildlife movement.
4. The highway at Laurel Curve is built over a large natural drainage, an ideal place to install a culvert to allow animals to travel beneath the highway.
5. The wildlife corridor bridges two core habitat areas identified in several landscape-scale wildlife connectivity modeling efforts.
6. The Marywood Property includes significant portions of two Priority 2 Streams identified by the Bay Area Open Space Council's Conservation Lands Network.

Current Status

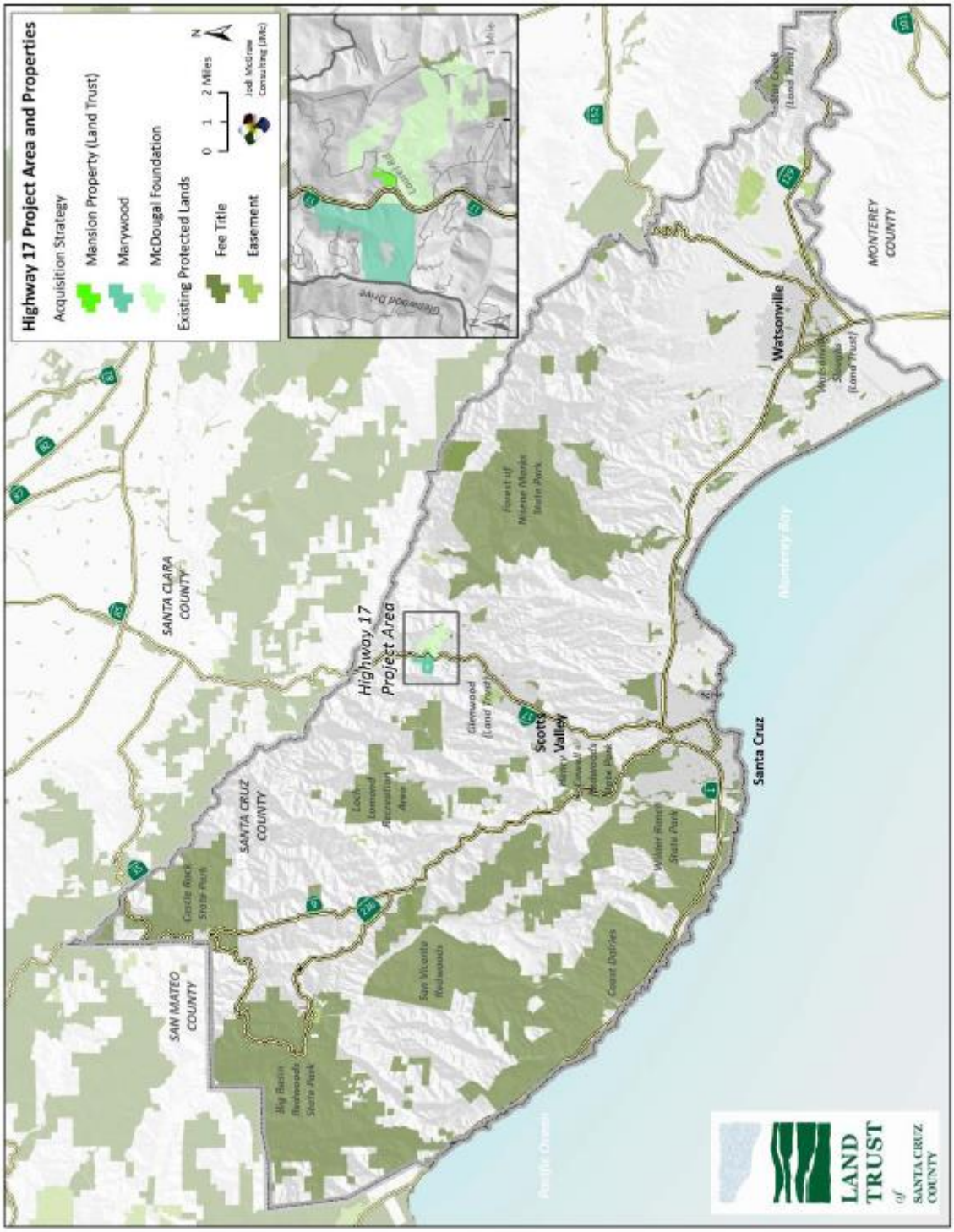
1. The Land Trust has conserved the "McDougal" and "Mansion" properties, giving us control of the land on either side of the highway where a wildlife crossing could be built.
2. The Land Trust has a secured an Option Agreement to purchase the Marywood property. The appraisal, completed in November 2014, will be updated by January 2016.
3. Caltrans completed the Project Initiation Documents (PID) for the 2016 SHOPP cycle to build the wildlife crossing. The PID contains a preliminary design and budget for constructing the tunnel.
4. The Land Trust has submitted a grant proposal to the Natural Resources Agency Environmental Enhancement and Mitigation Program requesting $1,000,000 for acquisition of the Marywood Property. If funded, the Land Trust would request WCB and Coastal Conservancy split the remaining cost of the acquisition.
5. The Land Trust has had preliminary positive funding discussions with the Wildlife Conservation Board regarding acquisition of the Marywood Property.

Project Budget

ITEM	ACRES	COST	LAND TRUST	PUBLIC AGENCIES
Mansion	10	654,000	654,000	
McDougal	280	2,852,000	2,852,000	
[1]Marywood	170	1,625,000	-	1,625,000
[2]Wildlife Crossing	n/a	12,400,000	3,000,000	9,400,000
Stewardship		225,000	225,000	
Indirect Costs		200,000	200,000	
Total	460	17,956,000	6,931,000	11,025,000

[1] The Land Trust is seeking funding from the Natural Resources Agency, Wildlife Conservation Board, and State Coastal Conservancy.

[2] This cost from Caltrans PID includes capital ($5.7 million) and soft costs ($6.7 million).


Highway 17 Project Area and Properties
Acquisition Strategy
Mansion Property (Land Trust)
Marywood
McDougal Foundation
Existing Protected Lands
Fee Title
Easement
0 1 2 Miles
N
Jodi McGraw Consulting (JMC)
Glenwood Drive
1 Mile
SANTA CLARA COUNTY
SAN MATEO COUNTY
SANTA CRUZ COUNTY
MONTEREY COUNTY
Highway 17 Project Area
Castle Rock State Park
Big Basin Redwoods State Park
San Vicente Redwoods
Lock Lomond Recreation Area
Glenwood (Land Trust)
Scotts Valley
Henry Cowell Redwoods State Park
Forest of Nisene Marks State Park
Wilder Ranch State Park
Coast Dairies
Santa Cruz
Watsonville
Watsonville Slough (Land Trust)
Salsipuedes (Land Trust)
Pacific Ocean
Monterey Bay
LAND TRUST of SANTA CRUZ COUNTY

METROPOLITAN
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COMMISSION

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Jake Mackenzie, Vice Chair
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U.S. Department of Housing and Urban Development

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Tom Bates
Cities of Alameda County

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City and County of San Francisco

Dorothy M. Dugandzic
U.S. Department of Transportation

Federal D. Glover
Contra Costa County

Scott Haggerty
Alameda County

Anne W. Halsted
San Francisco Bay Conservation and Development Commission

Steve Kinsey
Marin County and Cities

Sam Liccardo
San Jose Mayor's Appointee

Mark Luce
Napa County and Cities

Julie Pierce
Association of Bay Area Governments

Bijan Sartipi
California State Transportation Agency

Libby Schaaf
Oakland Mayor's Appointee

James P. Spering
Solano County and Cities

Adrienne J. Tissier
San Mateo County

Scott Wiener
San Francisco Mayor's Appointee

Amy Rose Worth
Cities of Contra Costa County

Steve Heminger
Executive Director

Alix Bockelman
Deputy Executive Director, Policy

Andrew B. Fremier
Deputy Executive Director, Operations

December 14, 2015

Ms. Donna Berry, PE
SHOPP Program Manager
Division of Transportation Programming
Caltrans
1120 N Street, MS-82
Sacramento, CA 95814

RE: **Comments on Draft 2016 SHOPP**

Dear Ms. Berry:

Thank you for the opportunity to comment on the Draft 2016 State Highway Operation and Protection Program (SHOPP). MTC has a long history of supporting and partnering with Caltrans on delivering mobility projects; over the past ten years, our agency has contributed over $100M to fund Freeway Performance Initiative (FPI) and Transportation Management System (TMS) projects throughout the nine-county San Francisco Bay Area. Over the past several years, together with members of our Commission, we have actively advocated for additional SHOPP funding for ongoing operations and maintenance of mobility projects. Given that, based on our review of the Draft 2016 SHOPP, we have found two elements that represent a step forward for mobility and transportation in California: (1) the Department has increased funding levels for projects in the Mobility category and (2) the Department plans to invest in a number of communication projects to facilitate the implementation of technology-based congestion management strategies.

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

A. General Policy Comments:

- **Align Funding with Caltrans'/CalSTA's "Fix it First" Priority to Keep Assets in a State of Good Repair: Increase Mobility Funding Share**
  With increased congestion and limited ability to add highway capacity, investing in mobility projects is critical to optimize performance of the existing infrastructure and to provide reliability and accessibility for travelers. From 2006 to 2014, there was a precipitous eight-year decline

(10% to 2.9%) in SHOPP programming to the Mobility category. MTC acknowledges that Caltrans is beginning to reverse that trend with its proposed increased programming percentage (4.7%) in the Draft 2016 SHOPP. To align Caltrans/CalSTA's "Fix it first" policy with funding levels, MTC recommends programming a minimum of 10% of total SHOPP funds to the Mobility category.

- **Leverage Regional Funding:** By utilizing regional investments, the Department can leverage state and federal funding to maximize the impact of limited regional and local dollars and accomplish larger project in a shorter timeframe. The Bay Area continues to invest in the State Highway System, through projects such as Regional Express Lane, Freeway Performance Initiative program and Transportation Management System, but resources are needed from the State to help fully fund and deliver priority mobility and operation and management strategies. MTC requests that the State consider a "Challenge Grant" concept and match the Bay Area's funding commitment using SHOPP dollars.

- **Budget for Maintaining and Repairing Traffic Operation Devices:** Based on our review, it is not clear if the Department includes ongoing operations and maintenance funding for capital projects that will install new traffic operation devices in the SHOPP. Increasing device inventory without including funding for operations and maintenance burdens existing resources and existing operations and maintenance commitments and responsibilities. MTC recognizes that the Department is transitioning to manage SHOPP as part of an overall asset management plan. However, in the meantime, and to aid in that transition, MTC strongly urges Caltrans to include device lifecycle operations and maintenance funding for any capital traffic operation device projects, either in the SHOPP or identified elsewhere in the Department's budget.

- **Transition to a Performance-Based Approach for Device Maintenance and Repair:** Other states, such as Georgia and Virginia, have taken a performance-based approach towards traffic operation device maintenance and repairs. These State DOTs are providing incentives for contractors who exceed specific performance thresholds, and deducting payments when requirements are not met. MTC is currently implementing a pilot project with this performance-based concept on the I-880 corridor to protect and maintain over 500 technology assets. MTC strongly encourages Caltrans to adopt this type of performance-driven approach more widely in its TMS element restoration projects throughout the state.

B. Project Specific Comments:

- **Direct $40 Million in Mobility Funds to Deliver the Freeway Performance Initiative**: 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. Over the past several years, MTC has

2016 SHOPP Comments
December 14, 2015
Page 3

invested over $73 million in regional discretionary funds to support Caltrans in installing ramp meters regionwide. MTC requests that the State prioritize funding for two FPI projects – first, Marin US 101 ramp metering project spans northbound from Golden Gate Bridge to the north of Sir Francis Drake Blvd. MTC is fully funding the Preliminary Engineering (PE) phase, and the project is at 65% design but needs $10 million of construction capital funds. The second project is the Alameda I-680 Phase 2B FPI Ramp Metering Project, currently at 95% design. The PE phase is also funded fully by MTC. There is a shortage of $30 million to deliver the project. MTC is actively seeking the State's funding support to leverage regional funding to complete the capital phase. The SHOPP funds would enable the region to fully fund and deliver the last remaining projects identified within FPI at least 10 years earlier than planned.

- **Invest $4.8 Million in Critical TMC Software**: The District 4 Transportation Management Center (TMC) operates a freeway management system that enables real time monitoring and strategy implementation. The Advanced Traffic Management System (ATMS), and an existing processor that communicates with the vehicle detection stations and parses the data, or PC-based Data Concentrator, were originally installed over ten to fifteen years ago and have reached end of life. Patches to the legacy software and temporary workarounds implemented to accommodate the current needs have resulted in reduced reliability and limited functionality of the ATMS. MTC recommends Caltrans program $4.8 million of SHOPP funds for this important project. The upgraded system will enable the District to have a more reliable and efficient way of managing the 4,000 active traffic operation elements, and achieve the 90% or better Intelligent Transportation System element health goal as outlined in Caltrans' Strategic Plan.

- **Broaden Project Scope to Include Preventative Maintenance:** District 4 constantly faces the challenges of TMS element degradation at 5% per month and an overall system growth up to 10% per year. Repairing these devices but not following up with regular and systematic maintenance will not address the root cause of the problem. Therefore, MTC recommends that the Department broaden the scope of the state's on-call service contracts to allow for the performance of preventative maintenance work.

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 that 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\SHOPP Comment Letter.docx

2016 SHOPP Comments
December 14, 2015
Page 4

CC: Daryl Halls, Solano Transportation Authority (Chair of the Bay Area CMA Group)
Brian C. Annis, California State Transportation Agency
Stephen Maller, California Transportation Commission

Exhibit F

CAL. GOV. CODE § 14526.5: California Code - Section 14526.5

(a) 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 capital improvements relative to maintenance, safety, and rehabilitation of state highways and bridges which do not add a new traffic lane to the system.

(b) The program shall include projects which 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) The program shall be submitted to the commission not later than January 31 of each even-numbered year. Prior to submitting the plan, 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.

(d) The commission may review the program relative to its overall adequacy, level of annual funding needed to implement the program, and the impact of those expenditures on the state transportation improvement program. The commission shall approve and submit the program to the Legislature and the Governor not later than April 1 of each even-numbered year.

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

2016 SHOPP Program Categories

Categories/Program	Program Code
MAJOR DAMAGE RESTORATION	
Major Damage Restoration	201.130
Permanent Restoration	201.131
COLLISION REDUCTION	
Safety Improvements	201.010
Collision Severity Reduction	201.015
Roadside Safety Improvements	201.235
MANDATES	
Relinquishments	201.160
Railroad/Highway At-Grade Crossing	201.325
Hazardous Waste Mitigation	201.330
Storm Water Mitigation	201.335
Americans with Disability Act New Curb Ramps	201.361
Americans with Disability Act Pedestrian Infrastructure	201.378
BRIDGE PRESERVATION	
Bridge Major Rehabilitation	201.110
Bridge Scour Mitigation	201.111
Bridge Rail Replacement and Upgrade	201.112
Bridge Seismic Restoration	201.113
Bridge Widening	201.114
Bridge Preventative Maintenance	201.119
Transportation Permit Requirements for Bridges	201.322

2016 SHOPP Program Categories Cont.

Categories/Program	Program Code
ROADWAY PRESERVATION	
Roadway Rehabilitation (3R)	201.120
Pavement Rehabilitation (CAPM)	201.121
Roadway Rehabilitation (2R)	201.122
Long-Life Pavement Rehabilitation	201.125
Drainage System Restoration	201.151
Signs and Lighting Rehabilitation	201.170
MOBILITY	
Operational Improvements	201.310
Transportation Management Systems	201.315
Weigh Stations	201.321
ROADSIDE PRESERVATION	
Highway Planting Restoration	201.210
New Highway Planting	201.220
Roadside Enhancement and Advance Mitigation	201.240
Safety Roadside Rest Area Restoration	201.250
New Safety Roadside Rest Areas	201.260
FACILITIES	
Equipment Facilities	201.351
Maintenance Facilities	201.352
Office Facilities	201.353
Materials Labs	201.354

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2016 SHOPP
COUNTY LISTING OF PROJECTS

County	Page No.	County	Page No.
Alameda	H - 1	Orange	H – 150
Alpine	H - 15	Placer	H – 165
Amador	H - 17	Plumas	H – 169
Butte	H - 18	Riverside	H – 171
Calaveras	-	Sacramento	H – 189
Colusa	H - 21	San Benito	H – 197
Contra Costa	H - 22	San Bernardino	H – 198
Del Norte	H - 26	San Diego	H – 221
El Dorado	H - 29	San Francisco	H – 234
Fresno	H - 32	San Joaquin	H – 238
Glenn	H - 38	San Luis Obispo	H – 245
Humboldt	H - 41	San Mateo	H – 249
Imperial	H - 50	Santa Barbara	H – 254
Inyo	H - 51	Santa Clara	H – 260
Kern	H – 54	Santa Cruz	H – 269
Kings	H – 61	Shasta	H – 274
Lake	H – 63	Sierra	H – 279
Lassen	H – 67	Siskiyou	H – 280
Los Angeles	H – 70	Solano	H – 284
Madera	H – 108	Sonoma	H – 287
Marin	H – 110	Stanislaus	H – 294
Mariposa	H – 116	Sutter	H – 298
Mendocino	H – 118	Tehama	H – 299
Merced	H – 125	Trinity	H – 302
Modoc	H – 130	Tulare	H – 306
Mono	H – 132	Tuolumne	H – 309
Monterey	H – 134	Ventura	H – 312
Napa	H – 142	Yolo	H – 319
Nevada	H - 147	Yuba	H - 322

2016 SHOPP Project List
Alameda
($1,000)

Proposed

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MAJOR DAMAGE RESTORATION										
13	4.9	In Oakland, at 0.1 mile south of Carson Street. Plant establishment and biological monitoring.	1490H	4J260	0415000355	201.131	2017/18	RW: 0 Const: 200	PA&ED: 0 PS&E: 100 RW: 0 Con: 190	PA&ED: 10/28/2014 RW Cert: 7/15/2017 RTL: 8/1/2017 Begin Con: 1/23/2018
				Performance Measure 1 Location(s)				Subtotal: 200 **Total (Capital + Support):** **$490**	290	
880	2.4	In Fremont, at Warren Avenue. Install pressure grouting.	0070A	1SS43	0412000602	201.131	2016/17	RW: 80 Const: 6,016	PA&ED: 850 PS&E: 950 RW: 64 Con: 1,150	PA&ED: 3/1/2016 RW Cert: 1/9/2017 RTL: 2/1/2017 Begin Con: 8/9/2017
				Performance Measure 1 Location(s)				Subtotal: 6,096 **Total (Capital + Support):** **$9,110**	3,014	
COLLISION REDUCTION										
13	VAR	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.	0488Q	0J470	0414000003	201.015	2018/19	RW: 260 Const: 3,320	PA&ED: 788 PS&E: 788 RW: 72 Con: 680	PA&ED: 7/1/2017 RW Cert: 11/1/2018 RTL: 11/1/2018 Begin Con: 4/23/2019
				Performance Measure 24 Collisions Reduced				Subtotal: 3,580 **Total (Capital + Support):** **$5,908**	2,328	

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
13	VAR	In various cities, on various routes, at various locations. Crosswalk safety enhancements.	1487Q	3J110	0415000088	201.015	2018/19	RW:	50	PA&ED:	786	PA&ED:	11/1/2017
								Const:	4,040	PS&E:	1,000	RW Cert:	2/1/2019
										RW:	214	RTL:	6/3/2019
										Con:	572	Begin Con:	1/28/2020
								Subtotal:	4,090		2,572		
				Performance Measure				**Total (Capital + Support):**	**$6,662**				
				939 Collisions Reduced									
80	4.6/5.7	In Berkeley, from Potter Street/Ashby Avenue on-ramp to University Avenue off-ramp. Replace metal beam guard rail with concrete barrier.	1003J	4G230	0412000357	201.015	2016/17	RW:	50	PA&ED:	122	PA&ED:	9/30/2015
								Const:	1,800	PS&E:	400	RW Cert:	4/1/2017
										RW:	100	RTL:	4/1/2017
										Con:	400	Begin Con:	11/1/2017
								Subtotal:	1,850		1,022		
				Performance Measure				**Total (Capital + Support):**	**$2,872**				
				4.5 Collisions Reduced									
84	10.8/18.0	In Fremont, from Route 238 (Mission Boulevard) to Route 680. Widen shoulders, install traffic signals and upgrade barriers.	0076B	2A332	0414000039	201.010	2018/19	RW:	2,000	PA&ED:	11,000	PA&ED:	3/1/2017
								Const:	19,500	PS&E:	2,800	RW Cert:	9/1/2018
										RW:	500	RTL:	9/1/2018
										Con:	4,000	Begin Con:	2/11/2019
								Subtotal:	21,500		18,300		
				Performance Measure				**Total (Capital + Support):**	**$39,800**				
				9 Collisions Reduced									

Proposed

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
84	VAR	In Oakland, San Leandro, Hayward and Fremont on Routes 84, 92, 112, 185 and 238 at various locations. Crosswalk safety enhancements.	0448R	1J600	0414000287	201.015	2018/19	RW:	150	PA&ED:	453	PA&ED:	7/6/2017
								Const:	2,803	PS&E:	657	RW Cert:	1/15/2019
										RW:	23	RTL:	4/5/2019
										Con:	453	Begin Con:	10/2/2019
								Subtotal:	2,953		1,586		
				Performance Measure			**Total (Capital + Support):**		**$4,539**				
				27 Collisions Reduced									
92	R4.0/R5.5	In Hayward, from west of Clawiter Road to west of Hesperian Boulevard. Install safety lighting and upgrade lighting.	1482K	2J440	0414000515	201.010	2017/18	RW:	10	PA&ED:	574	PA&ED:	9/2/2016
								Const:	2,556	PS&E:	631	RW Cert:	12/22/2017
										RW:	77	RTL:	3/2/2018
										Con:	631	Begin Con:	6/3/2018
								Subtotal:	2,566		1,913		
				Performance Measure			**Total (Capital + Support):**		**$4,479**				
				27 Collisions Reduced									
123	2.8	In Berkeley, at Bancroft Way. Install traffic signal.	0481X	1J700	0414000329	201.010	2017/18	RW:	20	PA&ED:	309	PA&ED:	2/1/2017
								Const:	673	PS&E:	447	RW Cert:	5/1/2018
										RW:	25	RTL:	6/1/2018
										Con:	164	Begin Con:	12/3/2018
								Subtotal:	693		945		
				Performance Measure			**Total (Capital + Support):**		**$1,638**				
				12 Collisions Reduced									

Proposed

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
185	VAR	In Oakland, San Leandro, Hayward, Union City and Fremont on Routes 185, 238, and 262 at various locations. Crosswalk safety enhancements.	1487P	3J190	0415000099	201.015	2018/19	RW:	10	PA&ED:	550	PA&ED:	2/15/2018
								Const:	1,711	PS&E:	550	RW Cert:	4/1/2019
										RW:	66	RTL:	5/1/2019
										Con:	550	Begin Con:	11/1/2019
								Subtotal:	1,721		1,716		
				Performance Measure			**Total (Capital + Support):**		**$3,437**				
				231 Collisions Reduced									
238	R14.5/16.7	In and near San Lorenzo, from east of Mission Boulevard to 0.4 mile west of Hesperian Boulevard. Install and upgrade safety lighting.	1482N	2J670	0414000544	201.010	2017/18	RW:	10	PA&ED:	780	PA&ED:	3/1/2017
								Const:	3,268	PS&E:	850	RW Cert:	3/1/2018
										RW:	70	RTL:	6/1/2018
										Con:	900	Begin Con:	11/1/2018
								Subtotal:	3,278		2,600		
				Performance Measure			**Total (Capital + Support):**		**$5,878**				
				63 Collisions Reduced									
880	20.4/22.9	In San Leandro, between Washington Avenue and Marina Boulevard. Pave side slope areas.	0085X	4H010	0413000132	201.235	2016/17	RW:	5	PA&ED:	288	PA&ED:	12/23/2015
								Const:	2,864	PS&E:	426	RW Cert:	12/7/2016
										RW:	47	RTL:	1/4/2017
										Con:	429	Begin Con:	7/5/2017
								Subtotal:	2,869		1,190		
				Performance Measure			**Total (Capital + Support):**		**$4,059**				
				2 Location(s)									

Proposed

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
880	20.9	In San Leandro at the southbound off-ramp to southbound Route 238. Improve safety visibility by installing lighting and improving signs.	0488J	1J010	0414000123	201.010	2017/18	RW:	10	PA&ED:	220	PA&ED:	11/1/2016
								Const:	765	PS&E:	440	RW Cert:	11/1/2017
										RW:	22	RTL:	1/1/2018
										Con:	286	Begin Con:	5/1/2018
								Subtotal:	775		968		
				Performance Measure				**Total (Capital + Support):**	**$1,743**				
				11 Collisions Reduced									
880	4.8/11.3	In Fremont, from north of Auto Mall Parkway to south of Fremont Boulevard at various locations. Highway worker safety improvements.	1483N	2J810	0415000008	201.235	2018/19	RW:	10	PA&ED:	660	PA&ED:	1/2/2018
								Const:	4,918	PS&E:	880	RW Cert:	2/1/2019
										RW:	44	RTL:	6/3/2019
										Con:	880	Begin Con:	12/20/2019
								Subtotal:	4,928		2,464		
				Performance Measure				**Total (Capital + Support):**	**$7,392**				
				83 Location(s)									
VAR		On Route 13, between 4.3 and 10.1 miles; also on Route 24 between 1.8 and 6.0 miles. Pave beyond gore areas.	0481F	4G970	0413000125	201.235	2016/17	RW:	5	PA&ED:	280	PA&ED:	2/15/2016
								Const:	1,519	PS&E:	390	RW Cert:	5/31/2016
										RW:	80	RTL:	10/15/2016
										Con:	600	Begin Con:	4/15/2017
								Subtotal:	1,524		1,350		
				Performance Measure				**Total (Capital + Support):**	**$2,874**				
				33 Location(s)									

Proposed

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
VAR		In Alameda and Contra Costa counties, on various routes at various intersection locations. Enhance pedestrian crossings.	0820P	0J000	0413000370	201.015	2016/17	RW:	10	PA&ED:	270	PA&ED:	11/16/2015
								Const:	2,466	PS&E:	310	RW Cert:	3/16/2017
										RW:	100	RTL:	3/30/2017
										Con:	390	Begin Con:	11/3/2017
								Subtotal:	2,476		1,070		
				Performance Measure				**Total (Capital + Support):**	**$3,546**				
				244 Collisions Reduced									
VAR		In Alameda and Contra Costa Counties on various routes at various locations. Apply high friction surface treatment.	0488M	1J370	0414000250	201.010	2017/18	RW:	25	PA&ED:	726	PA&ED:	3/31/2017
								Const:	6,715	PS&E:	1,370	RW Cert:	4/16/2018
										RW:	28	RTL:	5/15/2018
										Con:	1,370	Begin Con:	11/21/2018
								Subtotal:	6,740		3,494		
				Performance Measure				**Total (Capital + Support):**	**$10,234**				
				607 Collisions Reduced									
MANDATES													
13	10.8/12.1	In Berkeley, from Claremont Avenue to west of Shattuck Avenue. Upgrade curb ramps and repair sidewalks to meet ADA standards.	0124M	2G460	0400020859	201.378	2019/20	RW:	120	PA&ED:	619	PA&ED:	4/1/2018
								Const:	1,389	PS&E:	543	RW Cert:	10/1/2019
										RW:	75	RTL:	11/1/2019
										Con:	423	Begin Con:	4/24/2020
								Subtotal:	1,509		1,660		
				Performance Measure				**Total (Capital + Support):**	**$3,169**				
				47.9 Curb Ramps									

Proposed

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
13	12.1/13.4	In Berkeley, from Shattuck Avenue to 7th Street. Upgrade curb ramps and sidewalks.	0124L	2G482	0415000362	201.378	2018/19	RW:	125	PA&ED:	455	PA&ED:	1/6/2016
								Const:	3,500	PS&E:	765	RW Cert:	7/2/2018
										RW:	200	RTL:	7/6/2018
										Con:	793	Begin Con:	3/29/2019
								Subtotal:	3,625		2,213		
				Performance Measure				**Total (Capital + Support):**	**$5,838**				
				34 Structure(s)									
13	T9.8/10.8	In Oakland and Berkeley, from Hiller Drive to Claremont Avenue at various locations. Upgrade ADA facilities. (G13 Contingency Project)	0144A	2G660	0400021103	201.378	2018/19	RW:	200	PA&ED:	870	PA&ED:	1/2/2018
								Const:	0	PS&E:	740	RW Cert:	5/1/2019
										RW:	140	RTL:	6/3/2019
										Con:	0	Begin Con:	12/2/2019
								Subtotal:	200		1,750		
				Performance Measure				**Total (Capital + Support):**	**$1,950**				
				36.7 Curb Ramps									
185	3.3/9.8	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 ADA standards.	0091P	1G910	0400020582	201.378	2019/20	RW:	50	PA&ED:	446	PA&ED:	10/2/2017
								Const:	2,252	PS&E:	655	RW Cert:	7/1/2019
										RW:	102	RTL:	8/1/2019
										Con:	450	Begin Con:	12/1/2019
								Subtotal:	2,302		1,653		
				Performance Measure				**Total (Capital + Support):**	**$3,955**				
				66.16 Curb Ramps									

Proposed

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
580	R41.4/R41.5	In Oakland, between Fruitvale Avenue/Champion Street and Harold Street /Montana Street. Upgrade sidewalk and curb ramps.	0133H	4H260	0413000123	201.378	2016/17	RW:	10	PA&ED:	177	PA&ED:	5/20/2015
								Const:	1,956	PS&E:	462	RW Cert:	6/22/2016
										RW:	53	RTL:	6/24/2016
										Con:	423	Begin Con:	1/17/2017
								Subtotal:	1,966		1,115		
				Performance Measure				**Total (Capital + Support):**	**$3,081**				
				10 Curb Ramps									

BRIDGE PRESERVATION

84	13.0/13.6	In Fremont, at Alameda Creek Bridge #33 -36. Replace bridge.	0084B	16030	0400000429	201.110	2017/18	RW:	275	PA&ED:	4,000	PA&ED:	5/1/2016
		(G13 Contingency Project)						Const:	0	PS&E:	5,000	RW Cert:	9/1/2017
										RW:	299	RTL:	9/1/2017
										Con:	0	Begin Con:	2/20/2018
								Subtotal:	275		9,299		
				Performance Measure				**Total (Capital + Support):**	**$9,574**				
				1 Bridge(s)									
84	17.2	Near Sunol, at Arroyo De La Laguna Bridge No. 33-0043. Bridge scour mitigation and bridge rail upgrade.	0481M	0J550	0414000012	201.111	2019/20	RW:	5	PA&ED:	1,863	PA&ED:	6/1/2018
								Const:	6,970	PS&E:	2,392	RW Cert:	6/1/2020
										RW:	23	RTL:	6/15/2020
										Con:	2,461	Begin Con:	2/25/2021
								Subtotal:	6,975		6,739		
				Performance Measure				**Total (Capital + Support):**	**$13,714**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
238	R14.6	Between Livermore and Hayward, at East Connector Separation Bridge No. 33-0524F, N238/S880 Connector Bridge No. 33-0540G and I-580 Arroyo Seco Bridge No. 33-0066. Bridge maintenance.	0448E	4H080	0413000097	201.119	2017/18	RW:	20	PA&ED:	864	PA&ED:	9/30/2016
								Const:	5,849	PS&E:	720	RW Cert:	3/7/2018
										RW:	72	RTL:	3/28/2018
										Con:	896	Begin Con:	10/3/2018
								Subtotal:	5,869		2,552		
				Performance Measure			**Total (Capital + Support):**		**$8,421**				
				3 Bridge(s)									
580	44.3	In Oakland, at Oakland Avenue Undercrossing No. 33-0288. Rehabilitate bridge deck.	0135Q	4G790	0413000064	201.110	2016/17	RW:	5	PA&ED:	0	PA&ED:	6/24/2013
								Const:	5,300	PS&E:	1,250	RW Cert:	12/15/2016
										RW:	36	RTL:	1/16/2017
										Con:	1,250	Begin Con:	10/30/2017
								Subtotal:	5,305		2,536		
				Performance Measure			**Total (Capital + Support):**		**$7,841**				
				1 Bridge(s)									
580	R26.8/R27.2	In Castro Valley, on eastbound East Castro Valley Boulevard Undercrossing No. 33-0235L. Replace bridge deck.	0130B	4G800	0413000050	201.110	2017/18	RW:	27	PA&ED:	781	PA&ED:	11/30/2016
								Const:	4,000	PS&E:	1,100	RW Cert:	12/1/2017
										RW:	36	RTL:	12/12/2017
										Con:	871	Begin Con:	6/20/2018
								Subtotal:	4,027		2,788		
				Performance Measure			**Total (Capital + Support):**		**$6,815**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
580	R8.0	Near Livermore, near Greenville Road at Greenville Overhead Bridge No. 22-0121R. Rehabilitate westbound structure.	0480J	0J520	0414000009	201.110	2019/20	RW:	140	PA&ED:	600	PA&ED:	1/1/2018
								Const:	5,979	PS&E:	900	RW Cert:	9/2/2019
										RW:	120	RTL:	10/1/2019
										Con:	1,000	Begin Con:	2/3/2020
								Subtotal:	6,119		2,620		
				Performance Measure				**Total (Capital + Support):**	**$8,739**				
				1 Bridge(s)									
880	10.7	In Fremont, at Crandall Creek Bridge No. 33-0273. Seismic retrofit. (G13 Contingency Project)	0086Q	4G880	0413000058	201.113	2017/18	RW:	20	PA&ED:	846	PA&ED:	9/30/2016
								Const:	0	PS&E:	540	RW Cert:	2/7/2018
										RW:	90	RTL:	2/28/2018
										Con:	0	Begin Con:	9/5/2018
								Subtotal:	20		1,476		
				Performance Measure				**Total (Capital + Support):**	**$1,496**				
				1 Bridge(s)									
880	11.3/12.3	In Fremont, from 0.5 mile south to 0.5 mile north of Patterson Slough Bridge No. 33 -0250 (PM 11.8). Bridge rehabilitation. (G13 Contingency Project)	0480A	0J530	0414000010	201.110	2019/20	RW:	427	PA&ED:	2,200	PA&ED:	12/3/2018
								Const:	0	PS&E:	1,980	RW Cert:	6/1/2020
										RW:	704	RTL:	6/1/2020
										Con:	0	Begin Con:	1/4/2021
								Subtotal:	427		4,884		
				Performance Measure				**Total (Capital + Support):**	**$5,311**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
ROADWAY PRESERVATION													
580	R30.8/R41.5	In San Leandro and Oakland, from Routes 580/238 Separation to Fruitvale Avenue undercrossing. Rehabilitate pavement. (G13 Contingency Project)	0135A	27010	0412000131	201.121	2017/18	RW:	57	PA&ED:	1,121	PA&ED:	5/23/2016
								Const:	0	PS&E:	2,385	RW Cert:	12/29/2017
										RW:	120	RTL:	1/31/2018
										Con:	0	Begin Con:	10/31/2018
								Subtotal:	57		3,626		
				Performance Measure			**Total (Capital + Support):**		**$3,683**				
				86 Lane Miles									
680	M0.0/M4.0	In Fremont, from south of Scott Creek Road to Auto Mall Parkway. Rehabilitate roadway.	0587J	3G602	0414000484	201.120	2016/17	RW:	10	PA&ED:	0	PA&ED:	2/1/2016
								Const:	16,500	PS&E:	2,470	RW Cert:	8/1/2016
										RW:	80	RTL:	2/1/2017
										Con:	3,300	Begin Con:	7/24/2017
								Subtotal:	16,510		5,850		
				Performance Measure			**Total (Capital + Support):**		**$22,360**				
				4.00 Lane Miles									
680	M4.0/R12.4	In and near Fremont, from Auto Mall Parkway to Koopman Road. Rehabilitate roadway.	0587E	3G601	0414000483	201.120	2016/17	RW:	10	PA&ED:	883	PA&ED:	7/29/2015
								Const:	18,860	PS&E:	2,830	RW Cert:	12/30/2016
										RW:	170	RTL:	2/1/2017
										Con:	2,830	Begin Con:	8/1/2017
								Subtotal:	18,870		6,713		
				Performance Measure			**Total (Capital + Support):**		**$25,583**				
				12.4 Lane Miles									

Proposed

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
680	R12.4/R21.9	In and near Pleasanton and Dublin, from north of Route 84 to Alcosta Boulevard. Roadway rehabilitation.	0481P	0J620	0414000019	201.122	2019/20	RW:	75	PA&ED:	7,150	PA&ED:	10/2/2018
								Const:	109,853	PS&E:	7,150	RW Cert:	3/27/2020
										RW:	1,500	RTL:	3/29/2020
										Con:	16,400	Begin Con:	9/30/2020
								Subtotal:	109,928		32,200		
				Performance Measure				**Total (Capital + Support):**	**$142,128**				
				63 Lane Miles									
880	11.9/27.5	Near Union City, from 0.4 mile north of Fremont Boulevard overcrossing to A Street undercrossing; also from 0.1 mile south of Washington Avenue overcrossing to south of High Street undercrossing. Rehabilitate pavement. (G13 Contingency Project)	0483W	4H580	0413000162	201.121	2016/17	RW:	40	PA&ED:	654	PA&ED:	8/19/2015
								Const:	0	PS&E:	2,700	RW Cert:	5/30/2017
										RW:	166	RTL:	5/30/2017
										Con:	0	Begin Con:	1/12/2018
								Subtotal:	40		3,520		
				Performance Measure				**Total (Capital + Support):**	**$3,560**				
				104 Lane Miles									
880	28.5/29.0	In Oakland, from 23rd to 29th Street. Rehabilitate roadway.	0044Q	1A683	0412000335	201.120	2017/18	RW:	100	PA&ED:	10	PA&ED:	2/15/2011
								Const:	8,000	PS&E:	2,000	RW Cert:	5/1/2018
										RW:	100	RTL:	6/1/2018
										Con:	2,100	Begin Con:	11/28/2018
								Subtotal:	8,100		4,210		
				Performance Measure				**Total (Capital + Support):**	**$12,310**				
				5 Lane Miles									

Proposed

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MOBILITY										
80	1.9/4.0	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 elements.	1483H	2J830	0415000006	201.315	2019/20	RW: 12 Const: 5,135 Subtotal: 5,147	PA&ED: 760 PS&E: 760 RW: 260 Con: 1,044 2,824	PA&ED: 6/1/2018 RW Cert: 10/1/2019 RTL: 10/1/2019 Begin Con: 4/8/2020
				Performance Measure 29 Field Elements				**Total (Capital + Support):**	**$7,971**	
580	R30.8/46.5	In and near Oakland and San Leandro, from Route 238 to Route 80. Install and upgrade Transportation Management System elements.	1487A	3J050	0415000075	201.315	2019/20	RW: 10 Const: 17,970 Subtotal: 17,980	PA&ED: 2,700 PS&E: 2,700 RW: 50 Con: 3,600 9,050	PA&ED: 4/16/2018 RW Cert: 4/15/2020 RTL: 6/15/2020 Begin Con: 12/11/2020
				Performance Measure 89 Field Elements				**Total (Capital + Support):**	**$27,030**	
880	14.7	In Hayward, at 500 feet north of Industrial Parkway West. Install weigh-in-motion system in both directions. (G13 Contingency Project)	1482G	2J320	0414000488	201.321	2018/19	RW: 5 Const: 0 Subtotal: 5	PA&ED: 0 PS&E: 1,121 RW: 63 Con: 0 1,184	PA&ED: 6/29/2015 RW Cert: 7/2/2018 RTL: 8/1/2018 Begin Con: 12/3/2018
				Performance Measure 2 Location(s)				**Total (Capital + Support):**	**$1,189**	

Proposed

2016 SHOPP Project List
Alameda
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
VAR		In various counties, on various routes, at various locations. On-call service contract to restore non-operational Transportation Management System elements.	16543	4J370	0415000334	201.315	2017/18	RW:	0	PA&ED:	450	PA&ED:	8/1/2016
								Const:	16,000	PS&E:	1,340	RW Cert:	2/1/2017
										RW:	10	RTL:	3/1/2017
										Con:	3,000	Begin Con:	11/1/2017
								Subtotal:	16,000		4,800		
				Performance Measure			**Total (Capital + Support):**		**$20,800**				
				800 Field Elements									
FACILITIES													
80		Near Oakland, at the San Francisco Oakland Bay Bridge Toll Plaza Building. Reconstruct maintenance facilities.	0064Q	01411	0414000436	201.352	2016/17	RW:	20	PA&ED:	0	PA&ED:	12/28/2005
								Const:	12,450	PS&E:	1,500	RW Cert:	7/23/2016
										RW:	15	RTL:	8/1/2016
										Con:	3,000	Begin Con:	4/10/2017
								Subtotal:	12,470		4,515		
				Performance Measure			**Total (Capital + Support):**		**$16,985**				
				1 Location(s)									
								RW:	4,468	PA&ED:	46,105		
								Const:	307,097	PS&E:	56,992		
										RW:	6,016		
										Con:	57,486		
								Subtotal:	311,565		166,599		

Alameda County Total (Capital + Support): $478,164

Proposed

2016 SHOPP Project List
Alpine
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
BRIDGE PRESERVATION										
88	VAR	Near Markleeville, on Routes 88, 89 and 4 at various locations. Bridge rail upgrade on four bridges.	3134	0X750	1013000009	201.112	2019/20	RW: 176 Const: 4,224	PA&ED: 496 PS&E: 949 RW: 13 Con: 1,229	PA&ED: 1/11/2018 RW Cert: 12/9/2019 RTL: 2/17/2020 Begin Con: 7/7/2020
								Subtotal: 4,400	2,687	
				Performance Measure 45 Linear Feet				**Total (Capital + Support): $7,087**		
ROADWAY PRESERVATION										
4	Var.	In Alpine County on Routes 4, 88, and 89 at various locations. Rehabilitate culverts.	3138	0S680	1014000099	201.151	2019/20	RW: 71 Const: 3,319	PA&ED: 870 PS&E: 1,176 RW: 359 Con: 851	PA&ED: 4/4/2018 RW Cert: 12/1/2019 RTL: 1/15/2020 Begin Con: 9/1/2020
								Subtotal: 3,390	3,256	
				Performance Measure 32 Drainage System(s)				**Total (Capital + Support): $6,646**		
88	VAR	In Alpine County on Routes 4, 88 and 207; in Amador County on Routes 16 and 49; and in Tuolumne County on Route 108; at various locations. Rehabilitate culverts.	3142	0S750	1014000100	201.151	2019/20	RW: 269 Const: 4,290	PA&ED: 698 PS&E: 1,043 RW: 317 Con: 762	PA&ED: 4/4/2018 RW Cert: 10/3/2019 RTL: 1/2/2020 Begin Con: 9/1/2020
								Subtotal: 4,559	2,820	
				Performance Measure 50 Drainage System(s)				**Total (Capital + Support): $7,379**		

Proposed

2016 SHOPP Project List
Alpine
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 516	PA&ED: 2,064	
								Const: 11,833	PS&E: 3,168	
									RW: 689	
									Con: 2,842	
								Subtotal: 12,349	8,763	

Alpine County Total (Capital + Support): $21,112

Proposed

2016 SHOPP Project List
Amador
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
ROADWAY PRESERVATION										
88	VAR	In Amador County on Route 88 and in Tuolumne County of Routes 120,108 and 49, at various locations. Rehabilitate culverts.	3119	1C690	1015000004	201.151	2018/19	RW: 26 Const: 2,328	PA&ED: 250 PS&E: 448 RW: 65 Con: 616	PA&ED: 12/1/2017 RW Cert: 1/1/2019 RTL: 1/1/2019 Begin Con: 8/15/2019
								Subtotal: 2,354	1,379	
				Performance Measure 35 Drainage System(s)			**Total (Capital + Support):**	**$3,733**		

RW:	26	PA&ED:	250
Const:	2,328	PS&E:	448
		RW:	65
		Con:	616
Subtotal:	2,354		1,379

Amador County Total (Capital + Support): $3,733

Proposed

2016 SHOPP Project List
Butte
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
32	9.1/R9.2	In Chico, at Ivy Street. Install traffic signals.	2110	4F260	0314000091	201.010	2016/17	RW: 10 Const: 2,000 Subtotal: 2,010	PA&ED: 200 PS&E: 430 RW: 200 Con: 600 1,430	PA&ED: 4/7/2015 RW Cert: 10/1/2016 RTL: 10/15/2016 Begin Con: 4/15/2017
				Performance Measure 18 Collisions Reduced				**Total (Capital + Support):**	**$3,440**	
191	6.8/8.6	Near Paradise, from 2.0 miles south of Clear Creek Cemetery Road to south of Airport Road. Roadway improvements.	2705	3F760	0313000165	201.010	2016/17	RW: 5,300 Const: 18,000 Subtotal: 23,300	PA&ED: 1,150 PS&E: 1,350 RW: 750 Con: 2,700 5,950	PA&ED: 5/18/2015 RW Cert: 8/1/2016 RTL: 8/20/2016 Begin Con: 1/15/2017
				Performance Measure 140 Collisions Reduced				**Total (Capital + Support):**	**$29,250**	
MANDATES										
32	R8.8/9.5	In Chico, from Walnut Street to Poplar Street. Upgrade ADA facilities. (G13 Contingency Project)	2112	4F800	0314000288	201.361	2018/19	RW: 0 Const: 0 Subtotal: 0	PA&ED: 405 PS&E: 650 RW: 375 Con: 0 1,430	PA&ED: 7/1/2017 RW Cert: 8/1/2018 RTL: 8/25/2018 Begin Con: 4/1/2019
				Performance Measure 34 Curb Ramps				**Total (Capital + Support):**	**$1,430**	

Proposed

2016 SHOPP Project List
Butte
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
BRIDGE PRESERVATION										
99	13.3/45.5	In and near Chico, from north of Route 162 to north of Broyles Road. Bridge rail upgrade at six locations.	2433	0H330	0315000145	201.112	2019/20	RW: 210 Const: 4,500 Subtotal: 4,710	PA&ED: 610 PS&E: 1,170 RW: 160 Con: 1,300 3,240	PA&ED: 2/1/2018 RW Cert: 8/15/2019 RTL: 8/15/2019 Begin Con: 4/1/2020
				Performance Measure 999 Linear Feet				**Total (Capital + Support):**	**$7,950**	
99	15.4	Near Richvale, at Cottonwood Creek Bridge No. 12-0120. Replace scour-critical bridge.	2425	0F290	0314000101	201.111	2019/20	RW: 590 Const: 6,200 Subtotal: 6,790	PA&ED: 700 PS&E: 1,390 RW: 270 Con: 2,200 4,560	PA&ED: 2/1/2018 RW Cert: 8/1/2019 RTL: 8/15/2019 Begin Con: 3/15/2020
				Performance Measure 1 Bridge(s)				**Total (Capital + Support):**	**$11,350**	
ROADWAY PRESERVATION										
70	22.1/28.2	Near Oroville, from Route191 to West Bridge Feather River. Rehabilitate pavement.	2287	4F050	0314000018	201.121	2016/17	RW: 0 Const: 4,274 Subtotal: 4,274	PA&ED: 235 PS&E: 469 RW: 19 Con: 709 1,432	PA&ED: 6/1/2016 RW Cert: 11/15/2016 RTL: 12/1/2016 Begin Con: 6/1/2017
				Performance Measure 12.4 Lane Miles				**Total (Capital + Support):**	**$5,706**	

Proposed

2016 SHOPP Project List
Butte
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 6,110	PA&ED: 3,300	
								Const: 34,974	PS&E: 5,459	
									RW: 1,774	
									Con: 7,509	
								Subtotal: 41,084	18,042	

Butte County Total (Capital + Support): $59,126

Proposed

2016 SHOPP Project List
Colusa
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
5	R24.3	Near Maxwell, at the Maxwell Safety Roadside Rest Area. Upgrade water and wastewater systems to current standards. (G13 Contingency Project)	2793	4F430	0314000162	201.235	2018/19	RW:	16	PA&ED:	420	PA&ED:	7/1/2017
								Const:	0	PS&E:	460	RW Cert:	7/1/2018
										RW:	30	RTL:	8/1/2018
										Con:	0	Begin Con:	2/15/2019
								Subtotal:	16		910		
				Performance Measure 1 Location(s)			**Total (Capital + Support):**		**$926**				
ROADWAY PRESERVATION													
20	31.8/32.8	In Colusa, between Market Street and Butte Vista Way. Rehabilitate roadway. (G13 Contingency Project)	2950	2F980	0312000026	201.120	2016/17	RW:	200	PA&ED:	1,100	PA&ED:	6/1/2016
								Const:	0	PS&E:	500	RW Cert:	4/15/2017
										RW:	500	RTL:	5/1/2017
										Con:	0	Begin Con:	12/1/2017
								Subtotal:	200		2,100		
				Performance Measure 2 Lane Miles			**Total (Capital + Support):**		**$2,300**				
								RW:	216	PA&ED:	1,520		
								Const:	0	PS&E:	960		
										RW:	530		
										Con:	0		
								Subtotal:	216		3,010		

Colusa County Total (Capital + Support): $3,226

Proposed

2016 SHOPP Project List
Contra Costa
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MAJOR DAMAGE RESTORATION										
4	48.1/48.3	Near Discovery Bay, at 0.1 mile west of Old River Bridge. Construct retaining walls to repair storm damage slip-outs.	1484C	2J590	0414000535	201.131	2017/18	RW: 5 Const: 2,527	PA&ED: 334 PS&E: 511 RW: 38 Con: 445	PA&ED: 3/3/2017 RW Cert: 5/18/2018 RTL: 6/1/2018 Begin Con: 1/4/2019
								Subtotal: 2,532	1,328	
				Performance Measure 2 Location(s)				**Total (Capital + Support): $3,860**		
680	11.5/11.8	Near Alamo, on southbound of Route 680, between Rudgear Road and Livorna Road. Repair slide.	0482S	0J380	0413000462	201.131	2017/18	RW: 100 Const: 4,559	PA&ED: 563 PS&E: 1,027 RW: 150 Con: 1,125	PA&ED: 12/1/2016 RW Cert: 4/23/2018 RTL: 4/30/2018 Begin Con: 11/25/2018
								Subtotal: 4,659	2,865	
				Performance Measure 1 Location(s)				**Total (Capital + Support): $7,524**		
COLLISION REDUCTION										
4		In and near Concord, from Route 680 to east of Bailey Road at three locations. Install safety lighting, high reflective striping and markings.	1480F	2J000	0414000412	201.010	2017/18	RW: 217 Const: 3,933	PA&ED: 830 PS&E: 830 RW: 125 Con: 747	PA&ED: 6/30/2017 RW Cert: 5/4/2018 RTL: 6/1/2018 Begin Con: 12/26/2018
								Subtotal: 4,150	2,532	
				Performance Measure 52 Collisions Reduced				**Total (Capital + Support): $6,682**		

Proposed

2016 SHOPP Project List
Contra Costa
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
4	0.0/T31.5	Near Concord, on Route 4 from Route 80 to Route 160; also on Route 24 east of Caldecott Tunnel to Route 680. Place vegetation control, Maintenance Vehicle Pullout (MVP) and pave beyond gore.	0481D	4G980	0413000122	201.235	2016/17	RW:	5	PA&ED:	330	PA&ED:	5/2/2016
								Const:	4,925	PS&E:	860	RW Cert:	5/4/2017
										RW:	90	RTL:	6/1/2017
										Con:	700	Begin Con:	1/2/2018
								Subtotal:	4,930		1,980		
				Performance Measure				**Total (Capital + Support):**	**$6,910**				
				2 Location(s)									
24	1.0/R2.5	In Orinda and Lafayette, from east of the Caldecott Tunnel to east of Camino Pablo and at Acalanes Road (PM R4.2/R4.99); also in Oakland on Route 13, at Redwood Road (PM 5.2/5.5). Install safety lighting.	1418C	1J990	0414000411	201.010	2017/18	RW:	313	PA&ED:	736	PA&ED:	4/3/2017
								Const:	2,955	PS&E:	420	RW Cert:	12/1/2019
										RW:	64	RTL:	5/15/2018
										Con:	480	Begin Con:	7/2/2018
								Subtotal:	3,268		1,700		
				Performance Measure				**Total (Capital + Support):**	**$4,968**				
				65 Collisions Reduced									
80	0.0/14.1	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	1483P	2J820	0415000009	201.235	2019/20	RW:	5	PA&ED:	455	PA&ED:	1/2/2018
								Const:	2,630	PS&E:	637	RW Cert:	8/9/2019
										RW:	5	RTL:	8/30/2019
										Con:	692	Begin Con:	3/24/2020
								Subtotal:	2,635		1,789		
				Performance Measure				**Total (Capital + Support):**	**$4,424**				
				27 Location(s)									

Proposed

2016 SHOPP Project List
Contra Costa
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
BRIDGE PRESERVATION										
242	R1.6	In Concord, at Buchanan Field Viaduct No. 28-0186. Rehabilitate bridge.	0250B	4G810	0413000055	201.110	2016/17	RW: 80 Const: 1,520	PA&ED: 360 PS&E: 700 RW: 100 Con: 355	PA&ED: 1/29/2016 RW Cert: 10/5/2016 RTL: 6/30/2017 Begin Con: 6/1/2017
								Subtotal: 1,600	1,515	
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**	**$3,115**		
580	1.2	In Richmond, at Stege Drain Bridge No. 28-0091. Bridge rehabilitation.	1482Q	2J720	0415000016	201.110	2019/20	RW: 5 Const: 5,828	PA&ED: 700 PS&E: 876 RW: 117 Con: 876	PA&ED: 12/1/2016 RW Cert: 8/1/2018 RTL: 9/1/2018 Begin Con: 12/15/2018
								Subtotal: 5,833	2,569	
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**	**$8,402**		
580	5.8	In Richmond, at Scofield Avenue Undercrossing No. 28-140L/R. Seismic retrofit.	0086R	4G890	0413000059	201.113	2016/17	RW: 280 Const: 4,280	PA&ED: 750 PS&E: 935 RW: 180 Con: 850	PA&ED: 1/25/2016 RW Cert: 6/16/2017 RTL: 6/16/2017 Begin Con: 12/23/2017
								Subtotal: 4,560	2,715	
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**	**$7,275**		

Proposed

2016 SHOPP Project List
Contra Costa
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
ROADWAY PRESERVATION													
242	R0.0/R3.4	In Concord, from Route 680 to Route 4. Pavement rehabilitation.	0269H	26980	0412000159	201.121	2019/20	RW:	15	PA&ED:	990	PA&ED:	7/1/2017
								Const:	11,774	PS&E:	1,210	RW Cert:	8/1/2019
										RW:	110	RTL:	11/1/2019
										Con:	1,430	Begin Con:	3/1/2020
								Subtotal:	11,789		3,740		
				Performance Measure			**Total (Capital + Support):**		**$15,529**				
				20.4 Lane Miles									
								RW:	1,025	PA&ED:	6,048		
								Const:	44,931	PS&E:	8,006		
										RW:	979		
										Con:	7,700		
								Subtotal:	45,956		22,733		

Contra Costa County Total (Capital + Support): $68,689

Proposed

2016 SHOPP Project List
Del Norte
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
101		In Del Norte and Humboldt counties, on Routes 101, 169, 197 and 199 at various locations. Upgrade metal beam guard rail.	7011	0C590	0113000013	201.015	2016/17	RW: 145 Const: 2,880	PA&ED: 504 PS&E: 415 RW: 39 Con: 295	PA&ED: 12/1/2015 RW Cert: 12/1/2016 RTL: 1/1/2017 Begin Con: 6/1/2017
								Subtotal: 3,025	1,253	
				Performance Measure 13 Collisions Reduced				**Total (Capital + Support): $4,278**		
101		In various counties on various routes, at various locations. Install both centerline and edge line rumble strips.	7016	0E560	0114000100	201.010	2016/17	RW: 7 Const: 2,900	PA&ED: 285 PS&E: 398 RW: 4 Con: 511	PA&ED: 1/2/2016 RW Cert: 7/15/2016 RTL: 8/1/2016 Begin Con: 12/1/2016
								Subtotal: 2,907	1,198	
				Performance Measure 100 Collisions Reduced				**Total (Capital + Support): $4,105**		
199	33.4	Near Idlewild, south of Collier Tunnel Bridge. Install required public water system in compliance with Federal and State statutes and regulatory requirements.	1094	0C470	0112000287	201.235	2017/18	RW: 7 Const: 1,751	PA&ED: 158 PS&E: 638 RW: 9 Con: 479	PA&ED: 7/15/2016 RW Cert: 1/1/2018 RTL: 1/15/2018 Begin Con: 6/1/2018
								Subtotal: 1,758	1,284	
				Performance Measure 1 Location(s)				**Total (Capital + Support): $3,042**		

Proposed

2016 SHOPP Project List
Del Norte
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MANDATES										
101	25.8/27.3	In and near Crescent City, from south of Elk Valley Road to north of Wilson Avenue/Burtschell Street. Upgrade ADA facilities and construct traffic calming measures to improve operations and safety for non-motorized users. (G13 Contingency Project)	1095	0C660	0113000023	201.361	2018/19	RW: 432 Const: 0 Subtotal: 432	PA&ED: 669 PS&E: 467 RW: 1,234 Con: 0 2,370	PA&ED: 11/1/2017 RW Cert: 2/1/2019 RTL: 3/1/2019 Begin Con: 8/1/2019
				Performance Measure 87 Curb Ramps				**Total (Capital + Support):**	**$2,802**	
BRIDGE PRESERVATION										
101	36.1	Near Crescent City from 0.2 mile north of the Smith River Overflow Bridge. Replace bridge.	0100V	43640	0100000193	201.110	2016/17	RW: 1,500 Const: 50,448 Subtotal: 51,948	PA&ED: 7,000 PS&E: 3,700 RW: 520 Con: 8,400 19,620	PA&ED: 8/1/2016 RW Cert: 10/1/2017 RTL: 11/1/2017 Begin Con: 6/1/2018
				Performance Measure 1 Bridge(s)				**Total (Capital + Support):**	**$71,568**	
101	39.8	Near the Smith River community, at Dominie Creek. Replace box culvert with new bridge and remediate fish passage barrier.	1113	0F310	0115000108	201.110	2019/20	RW: 151 Const: 5,852 Subtotal: 6,003	PA&ED: 1,068 PS&E: 1,141 RW: 154 Con: 1,643 4,006	PA&ED: 1/13/2018 RW Cert: 8/1/2019 RTL: 9/1/2019 Begin Con: 4/1/2020
				Performance Measure 1 Bridge(s)				**Total (Capital + Support):**	**$10,009**	

Proposed

2016 SHOPP Project List
Del Norte
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	8.2/8.7	Near Klamath, at Panther Creek Bridge No. 01-0025 and at Hunter Creek Bridge No. 01-0003. Seismic retrofit.	1072	0B090	0100020444	201.113	2017/18	RW:	5,589	PA&ED:	2,159	PA&ED:	3/1/2017
								Const:	13,290	PS&E:	3,720	RW Cert:	4/1/2018
										RW:	373	RTL:	4/1/2018
										Con:	3,282	Begin Con:	4/1/2019
								Subtotal:	18,879		9,534		
				Performance Measure				**Total (Capital + Support):**	**$28,413**				
				2 Bridge(s)									

ROADWAY PRESERVATION

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
199	1.1/36.3	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.	1055	48800	0114000074	201.151	2019/20	RW:	166	PA&ED:	1,100	PA&ED:	1/1/2019
								Const:	4,998	PS&E:	1,135	RW Cert:	2/1/2020
										RW:	82	RTL:	3/1/2020
										Con:	1,221	Begin Con:	8/1/2020
								Subtotal:	5,164		3,538		
				Performance Measure				**Total (Capital + Support):**	**$8,702**				
				18 Drainage System(s)									

RW:	7,997	PA&ED:	12,943
Const:	82,119	PS&E:	11,614
		RW:	2,415
		Con:	15,831
Subtotal:	90,116		42,803

Del Norte County Total (Capital + Support): $132,919

Proposed

2016 SHOPP Project List
El Dorado
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
50	0.0/80.4	In El Dorado County, from the Sacramento County line to east of Stateline Avenue. Upgrade guard rail to current standards.	3311	0H500	0315000200	201.015	2018/19	RW: 25 Const: 2,300 Subtotal: 2,325	PA&ED: 150 PS&E: 360 RW: 55 Con: 475 1,040	PA&ED: 2/1/2017 RW Cert: 10/1/2018 RTL: 10/1/2018 Begin Con: 4/1/2019
				Performance Measure 5 Collisions Reduced				**Total (Capital + Support):**	**$3,365**	
50	70.6	Near Myers, at Route 89 South. Construct roundabout.	3303	4F840	0314000305	201.010	2017/18	RW: 35 Const: 3,445 Subtotal: 3,480	PA&ED: 290 PS&E: 550 RW: 150 Con: 770 1,760	PA&ED: 11/1/2016 RW Cert: 1/5/2018 RTL: 1/15/2018 Begin Con: 9/5/2018
				Performance Measure 25 Collisions Reduced				**Total (Capital + Support):**	**$5,240**	
50	R22.0/24.3	Near Placerville and Camino, from 0.1 mile west of Still Meadows Road to 0.1 mile east of Upper Carson Road. Install median barrier, widen shoulders and construct acceleration/deceleration lane.	3290	4E620	0314000039	201.010	2018/19	RW: 2,000 Const: 32,000 Subtotal: 34,000	PA&ED: 2,500 PS&E: 3,500 RW: 1,200 Con: 5,800 13,000	PA&ED: 4/1/2017 RW Cert: 10/1/2018 RTL: 10/1/2018 Begin Con: 6/1/2019
				Performance Measure 108 Collisions Reduced				**Total (Capital + Support):**	**$47,000**	

Proposed

2016 SHOPP Project List
El Dorado
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MANDATES										
50	38.0/58.0	Near Placerville, from 0.8 mile east of Bridal Veil Falls Road to Strawberry Lodge Drive. Construct traction sand traps.	3300	2F130	0300020539	201.335	2017/18	RW: 350 Const: 4,000	PA&ED: 450 PS&E: 475 RW: 215 Con: 715	PA&ED: 6/1/2016 RW Cert: 9/20/2017 RTL: 10/1/2017 Begin Con: 4/1/2018
				Performance Measure 4 Acres				Subtotal: 4,350 **Total (Capital + Support): $6,205**	1,855	
BRIDGE PRESERVATION										
50	67.3	Near South Lake Tahoe, west of South Lake Tahoe at Echo Summit Sidehill Viaduct Bridge No. 25-0044. Rehabilitate or Replace bridge.	3304	3F530	0313000135	201.110	2017/18	RW: 27 Const: 6,000	PA&ED: 624 PS&E: 1,317 RW: 16 Con: 1,502	PA&ED: 7/15/2016 RW Cert: 4/15/2018 RTL: 4/15/2018 Begin Con: 11/30/2018
				Performance Measure 1 Bridge(s)				Subtotal: 6,027 **Total (Capital + Support): $9,486**	3,459	
50	R28.8	Near Pollock Pines, at Sawmill Undercrossing No. 25-0041; also in the city of Sacramento on Route 99, at 21st Avenue Undercrossing No. 24-0154 (PM 22.6). Replace 1 bridge and rehabilitate 1 bridge deck.	6923	0H340	0315000146	201.110	2019/20	RW: 0 Const: 7,000	PA&ED: 340 PS&E: 750 RW: 12 Con: 1,810	PA&ED: 8/1/2017 RW Cert: 7/1/2019 RTL: 7/15/2019 Begin Con: 2/1/2020
				Performance Measure 2 Bridge(s)				Subtotal: 7,000 **Total (Capital + Support): $9,912**	2,912	

Proposed

2016 SHOPP Project List
El Dorado
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
MOBILITY													
50	0.0/80.4	In El Dorado County, from the Sacramento County line to east of Stateline Avenue. Upgrade new Transportation Management System elements.	3312	0H520	0315000202	201.315	2019/20	RW:	150	PA&ED:	500	PA&ED:	8/1/2017
								Const:	9,150	PS&E:	1,000	RW Cert:	2/1/2020
										RW:	580	RTL:	2/1/2020
										Con:	1,620	Begin Con:	9/1/2020
								Subtotal:	9,300		3,700		
				Performance Measure			**Total (Capital + Support):**		**$13,000**				
				51 Field Elements									
								RW:	2,587	PA&ED:	4,854		
								Const:	63,895	PS&E:	7,952		
										RW:	2,228		
										Con:	12,692		
								Subtotal:	66,482		27,726		

El Dorado County Total (Capital + Support): $94,208

Proposed

2016 SHOPP Project List
Fresno
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
5	1.3/1.4	Near Coalinga, at the Coalinga-Avenal Safety Roadside Rest Area. Repair aging water and wastewater systems.	6736	0T230	0615000040	201.235	2018/19	RW: 102 Const: 2,703 Subtotal: 2,805	PA&ED: 122 PS&E: 783 RW: 4 Con: 841 1,750	PA&ED: 7/18/2017 RW Cert: 7/2/2018 RTL: 7/9/2018 Begin Con: 12/5/2018
				Performance Measure 2 Location(s)				**Total (Capital + Support):**	**$4,555**	
99	0.0/14.9	Near Fresno, from the Tulare line to American Avenue. Pave gore and miscellaneous areas, construct maintenance vehicle pull outs and repair irrigation systems.	6738	0T360	0615000066	201.235	2018/19	RW: 10 Const: 3,189 Subtotal: 3,199	PA&ED: 192 PS&E: 720 RW: 2 Con: 540 1,454	PA&ED: 1/3/2017 RW Cert: 12/4/2017 RTL: 7/9/2018 Begin Con: 2/1/2019
				Performance Measure 45 Location(s)				**Total (Capital + Support):**	**$4,653**	
168	R0.0/R11.7	In Fresno and Clovis, at various location from Route 180 to Shepherd Avenue. Roadside maintenance safety improvements.	1772	0E350	0612000136	201.235	2016/17	RW: 1 Const: 2,700 Subtotal: 2,701	PA&ED: 107 PS&E: 411 RW: 1 Con: 413 932	PA&ED: 7/22/2015 RW Cert: 12/1/2016 RTL: 12/15/2016 Begin Con: 5/15/2017
				Performance Measure 44 Location(s)				**Total (Capital + Support):**	**$3,633**	

Proposed

2016 SHOPP Project List
Fresno
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MANDATES										
33	69.3/70.9	In Firebaugh, from south of Morris Kyle Drive to Clyde Fannon Drive. Construct continuous accessible pedestrian path to comply with ADA standards.	6747	0T250	0615000043	201.361	2018/19	RW: 62 Const: 1,502	PA&ED: 221 PS&E: 671 RW: 199 Con: 354	PA&ED: 12/1/2016 RW Cert: 7/2/2018 RTL: 7/17/2018 Begin Con: 12/18/2018
								Subtotal: 1,564	1,445	
				Performance Measure 14 Curb Ramps				**Total (Capital + Support):** **$3,009**		
BRIDGE PRESERVATION										
5	44.4/45.4	Near Mendota, at Tumey Gulch Bridge (No. 42-0246L/R). Replace bridge. (G13 Contingency Project)	6725	0S830	0615000046	201.110	2019/20	RW: 79 Const: 0	PA&ED: 850 PS&E: 1,900 RW: 4 Con: 0	PA&ED: 7/31/2018 RW Cert: 1/3/2020 RTL: 2/3/2020 Begin Con: 7/3/2020
								Subtotal: 79	2,754	
				Performance Measure 2 Bridge(s)				**Total (Capital + Support):** **$2,833**		
180	26.9	Near Mendota, at Fresno Slough Bridge No. 42-0041. Repair bridge.	6680	0Q510	0613000189	201.119	2016/17	RW: 14 Const: 1,785	PA&ED: 482 PS&E: 861 RW: 11 Con: 909	PA&ED: 5/2/2016 RW Cert: 8/1/2016 RTL: 11/1/2016 Begin Con: 4/3/2017
								Subtotal: 1,799	2,263	
				Performance Measure 1 Bridge(s)				**Total (Capital + Support):** **$4,062**		

Proposed

2016 SHOPP Project List
Fresno
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
180	77.2	Near the city of Fresno, at Kings River Overflow Bridge No. 42-0074. Replace bridge.	6751	0U120	0615000207	201.110	2016/17	RW:	0	PA&ED:	0	PA&ED:	4/18/1996
								Const:	1,200	PS&E:	0	RW Cert:	6/15/2015
										RW:	0	RTL:	6/29/2015
										Con:	400	Begin Con:	12/15/2015
								Subtotal:	1,200		400		
				Performance Measure			**Total (Capital + Support):**		**$1,600**				
				1 Bridge(s)									
180	92.2	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.	6766	0Q900	0614000047	201.112	2018/19	RW:	4	PA&ED:	480	PA&ED:	1/15/2018
								Const:	3,153	PS&E:	923	RW Cert:	1/21/2019
										RW:	10	RTL:	2/25/2019
										Con:	814	Begin Con:	9/2/2019
								Subtotal:	3,157		2,227		
				Performance Measure			**Total (Capital + Support):**		**$5,384**				
				535 Linear Feet									
ROADWAY PRESERVATION													
5	21.0/31.0	Near Mendota, from Tuolumne Avenue Overcrossing to north of Route 33. Pavement rehabilitation.	6753	0U080	0615000209	201.121	2017/18	RW:	20	PA&ED:	147	PA&ED:	1/3/2017
								Const:	18,890	PS&E:	600	RW Cert:	8/7/2017
										RW:	11	RTL:	1/2/2018
										Con:	982	Begin Con:	6/14/2018
								Subtotal:	18,910		1,740		
				Performance Measure			**Total (Capital + Support):**		**$20,650**				
				40 Lane Miles									

Proposed

2016 SHOPP Project List
Fresno
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
99	R0.9/R5.0	In and near Kingburg, from Route 201 to south of Second Street. Roadway rehabilitation.	6727	0S460	0615000038	201.122	2018/19	RW:	25	PA&ED:	577	PA&ED:	7/6/2017
								Const:	24,086	PS&E:	1,496	RW Cert:	10/4/2018
										RW:	43	RTL:	11/6/2018
										Con:	2,705	Begin Con:	6/4/2019
								Subtotal:	24,111		4,821		
				Performance Measure				**Total (Capital + Support):**	**$28,932**				
				8.1 Lane Miles									
168	45.8/65.9	In and near Shaver Lake, from east of Warbler Lane to Kaiser Pass Road. Roadway rehabilitation.	6754	0U090	0615000210	201.122	2017/18	RW:	35	PA&ED:	512	PA&ED:	6/1/2017
								Const:	12,700	PS&E:	1,035	RW Cert:	12/15/2017
										RW:	6	RTL:	2/19/2018
										Con:	1,125	Begin Con:	7/16/2018
								Subtotal:	12,735		2,678		
				Performance Measure				**Total (Capital + Support):**	**$15,413**				
				20.1 Lane Miles									
168	57.8/65.4	Near Huntington Lake, from west of South Fork Tamarack Creek to west of Rancheria Creek. Repair drainage culverts.	6326	0H110	0613000045	201.151	2017/18	RW:	75	PA&ED:	962	PA&ED:	12/1/2016
								Const:	2,764	PS&E:	1,363	RW Cert:	12/1/2017
										RW:	97	RTL:	3/15/2018
										Con:	654	Begin Con:	8/15/2018
								Subtotal:	2,839		3,076		
				Performance Measure				**Total (Capital + Support):**	**$5,915**				
				25 Drainage System(s)									

Proposed

2016 SHOPP Project List
Fresno
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
168	T32.1/57.6	Near Shaver Lake, from west of Prather Pond Road to west of South Fork Tamarack Creek. Repair drainage culverts.	6314	0H120	0613000046	201.151	2017/18	RW: 470	PA&ED:	948	PA&ED:	12/1/2016	
								Const: 2,203	PS&E:	963	RW Cert:	12/1/2017	
									RW:	53	RTL:	3/15/2018	
									Con:	500	Begin Con:	8/15/2018	
								Subtotal:	2,673		2,464		
				Performance Measure			**Total (Capital + Support):**		**$5,137**				
				20 Drainage System(s)									
269	10.7/12.3	Near Huron, from 1.1 miles north of Palmer Avenue to 0.4 miles south of Route 198. Construct new bridge and raise profile grade. (Additional funding from Fresno sales tax Measure C – not shown)	2184	39460	0600020595	201.150	2017/18	RW: 0	PA&ED:	2,200	PA&ED:	8/27/2015	
								Const: 1	PS&E:	2,500	RW Cert:	3/31/2017	
									RW:	300	RTL:	3/31/2017	
									Con:	4,000	Begin Con:	9/1/2017	
								Subtotal:	1		9,000		
				Performance Measure			**Total (Capital + Support):**		**$9,001**				
				1 Location(s)									
MOBILITY													
99	22.7/28.1	In the city of Fresno, from Shaw Avenue to Belmont Avenue. Install ramp meters and construct auxiliary lanes. (G13 Contingency Project)	6744	0K290	0600020018	201.315	2016/17	RW: 104	PA&ED:	755	PA&ED:	4/1/2016	
								Const: 0	PS&E:	1,062	RW Cert:	2/1/2017	
									RW:	522	RTL:	3/1/2017	
									Con:	0	Begin Con:	7/3/2017	
								Subtotal:	104		2,339		
				Performance Measure			**Total (Capital + Support):**		**$2,443**				
				5.4 Miles of Cable									

Proposed

2016 SHOPP Project List
Fresno
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 1,001	PA&ED: 8,555	
								Const: 76,876	PS&E: 15,288	
									RW: 1,263	
									Con: 14,237	
								Subtotal: 77,877	39,343	

Fresno County Total (Capital + Support): $117,220

Proposed

2016 SHOPP Project List
Glenn
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
5	R14.6	Near Willows, at the Willows Safety Roadside Rest Area (SRRA). Upgrade potable water and wastewater systems.	3710	4F420	0314000161	201.235	2019/20	RW:	20	PA&ED:	540	PA&ED:	10/10/2018
								Const:	4,100	PS&E:	550	RW Cert:	7/7/2019
										RW:	60	RTL:	7/7/2019
										Con:	1,180	Begin Con:	2/15/2020
								Subtotal:	4,120		2,330		
				Performance Measure			**Total (Capital + Support):**		**$6,450**				
				1 Location(s)									
MANDATES													
32	L0.0/0.8	In Orland, from Route 5 to Woodward Avenue. Upgrade pedestrian infrastructure to meet Americans with Disabilities Act (ADA) requirements.	3788	4F810	0314000291	201.361	2019/20	RW:	88	PA&ED:	240	PA&ED:	8/1/2017
								Const:	700	PS&E:	405	RW Cert:	9/1/2019
										RW:	465	RTL:	10/1/2019
										Con:	260	Begin Con:	4/1/2020
								Subtotal:	788		1,370		
				Performance Measure			**Total (Capital + Support):**		**$2,158**				
				113 Curb Ramps									

Proposed

2016 SHOPP Project List
Glenn
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
BRIDGE PRESERVATION										
162	76.7	Near Butte, at Sacramento Bridge #11 -0017. Seismic retrofit. (G13 Contingency Project)	2633	3F060	0312000052	201.113	2018/19	RW: 1,000 Const: 0	PA&ED: 2,000 PS&E: 3,500 RW: 600 Con: 0	PA&ED: 8/15/2016 RW Cert: 7/1/2018 RTL: 8/1/2018 Begin Con: 4/1/2019
								Subtotal: 1,000	6,100	
				Performance Measure 2 Bridge(s)			**Total (Capital + Support):**	**$7,100**		
ROADWAY PRESERVATION										
5	0.0/20.0	In and near Willows, from Colusa County Line to 0.2 miles north of County Road 28. Rehabilitate pavement.	2792	4F060	0314000019	201.121	2016/17	RW: 21 Const: 32,120	PA&ED: 1,350 PS&E: 1,070 RW: 350 Con: 3,800	PA&ED: 6/24/2015 RW Cert: 3/15/2016 RTL: 4/15/2016 Begin Con: 12/1/2016
								Subtotal: 32,141	6,570	
				Performance Measure 80 Lane Miles			**Total (Capital + Support):**	**$38,711**		
5	VAR	In various counties on various routes at various locations. Upgrade sign panels and lighting to make standard.	3711	0H490	0315000199	201.170	2017/18	RW: 0 Const: 1,105	PA&ED: 113 PS&E: 207 RW: 11 Con: 267	PA&ED: 1/1/2017 RW Cert: 10/1/2017 RTL: 10/15/2017 Begin Con: 3/15/2018
								Subtotal: 1,105	598	
				Performance Measure 315 Lighting Fixtures			**Total (Capital + Support):**	**$1,703**		

Proposed

2016 SHOPP Project List
Glenn
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 1,129	PA&ED: 4,243	
								Const: 38,025	PS&E: 5,732	
									RW: 1,486	
									Con: 5,507	
								Subtotal: 39,154	16,968	

Glenn County Total (Capital + Support): $56,122

Proposed

2016 SHOPP Project List
Humboldt
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MAJOR DAMAGE RESTORATION										
101	110.6	Near Trinidad at 1.9 miles south of Kane Road; also at 1.3 miles north of Kane Road (PM T113.8). Reconstruct roadway and de-water.	2340	0B420	0112000126	201.131	2016/17	RW: 760 Const: 5,000	PA&ED: 270 PS&E: 1,020 RW: 90 Con: 1,120	PA&ED: 6/30/2015 RW Cert: 1/1/2017 RTL: 3/1/2017 Begin Con: 9/4/2017
				Performance Measure 2 Location(s)				Subtotal: 5,760 **Total (Capital + Support): $8,260**	2,500	
254	4.4/11.2	Near Garberville, from 1.2 miles north of State Park Road to 0.4 mile north of Bridge Creek. Required mitigation for EA 01 -47502 to reconstruct and restore culverts.	2381	47531	0113000112	201.131	2016/17	RW: 50 Const: 873	PA&ED: 208 PS&E: 337 RW: 89 Con: 256	PA&ED: 4/1/2016 RW Cert: 2/15/2017 RTL: 3/1/2017 Begin Con: 9/1/2017
				Performance Measure 4 Location(s)				Subtotal: 923 **Total (Capital + Support): $1,813**	890	
COLLISION REDUCTION										
36	0.1/1.6	Near Fortuna, from Route 101 to River Bar Road. Shoulder widening.	2379	0E010	0113000090	201.015	2019/20	RW: 2,727 Const: 7,187	PA&ED: 910 PS&E: 886 RW: 592 Con: 955	PA&ED: 6/1/2018 RW Cert: 2/1/2020 RTL: 2/15/2020 Begin Con: 7/1/2020
				Performance Measure 23 Collisions Reduced				Subtotal: 9,914 **Total (Capital + Support): $13,257**	3,343	

Proposed

2016 SHOPP Project List
Humboldt
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
36	36.6/39.9	Near Dinsmore, from west of Burr Valley Road to west of Buck Mountain Road. Widen to make lane and shoulder widths standard, realign curves, and improve roadway cross-slope.	2409	0E930	0115000047	201.010	2016/17	RW:	231	PA&ED:	90	PA&ED:	1/30/2015
								Const:	7,441	PS&E:	75	RW Cert:	7/1/2016
										RW:	150	RTL:	7/15/2016
										Con:	40	Begin Con:	12/1/2016
								Subtotal:	7,672		355		
				Performance Measure			**Total (Capital + Support):**		**$8,027**				
				54 Collisions Reduced									
101		In Humboldt and Mendocino counties, on Routes 20 and 101 at various locations. Upgrade metal beam guard rail.	7009	0B820	0112000189	201.015	2016/17	RW:	71	PA&ED:	173	PA&ED:	10/12/2015
								Const:	3,500	PS&E:	345	RW Cert:	1/15/2017
										RW:	104	RTL:	2/1/2017
										Con:	529	Begin Con:	6/15/2017
								Subtotal:	3,571		1,151		
				Performance Measure			**Total (Capital + Support):**		**$4,722**				
				6 Collisions Reduced									
101		In Lake, Mendocino, Humboldt and Del Norte counties, on Routes 20,36, 101, 175 and 299 at various locations. Upgrade crash cushions.	7012	0C840	0113000066	201.015	2016/17	RW:	11	PA&ED:	144	PA&ED:	11/20/2015
								Const:	2,054	PS&E:	268	RW Cert:	8/1/2016
										RW:	62	RTL:	9/1/2016
										Con:	353	Begin Con:	2/1/2017
								Subtotal:	2,065		827		
				Performance Measure			**Total (Capital + Support):**		**$2,892**				
				39 Collisions Reduced									

Proposed

2016 SHOPP Project List
Humboldt
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	102.9/105.2	Near Trinidad¸ between PMs 102.9 and 105.2. Install public water system in compliance with Federal and State statutes and regulatory requirements.	2365	0C440	0112000284	201.235	2017/18	RW:	20	PA&ED:	412	PA&ED:	3/1/2017
								Const:	2,423	PS&E:	1,204	RW Cert:	2/1/2018
										RW:	39	RTL:	3/1/2018
										Con:	793	Begin Con:	9/5/2018
								Subtotal:	2,443		2,448		
				Performance Measure			**Total (Capital + Support):**		**$4,891**				
				2 Location(s)									
101	77.0/77.5	In Eureka, 0.3 mile south to 0.2 mile north of Wabash Avenue. Improve intersections.	2368	0C710	0113000031	201.010	2017/18	RW:	110	PA&ED:	395	PA&ED:	10/1/2016
								Const:	2,474	PS&E:	704	RW Cert:	7/1/2017
										RW:	164	RTL:	8/1/2017
										Con:	544	Begin Con:	1/1/2018
								Subtotal:	2,584		1,807		
				Performance Measure			**Total (Capital + Support):**		**$4,391**				
				72 Collisions Reduced									
101	80.8/87.8	Near Eureka, from PMs 80.0 to 87.8. Upgrade metal beam guardrail.	2375	0C970	0113000094	201.015	2017/18	RW:	118	PA&ED:	510	PA&ED:	5/1/2016
								Const:	1,763	PS&E:	300	RW Cert:	7/1/2017
										RW:	48	RTL:	8/1/2017
										Con:	267	Begin Con:	11/15/2017
								Subtotal:	1,881		1,125		
				Performance Measure			**Total (Capital + Support):**		**$3,006**				
				7 Collisions Reduced									

Proposed

2016 SHOPP Project List
Humboldt
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	88.2/88.3	In Arcata, at Route 299. Realign ramp curve.	2397	0E650	0114000117	201.015	2019/20	RW:	600	PA&ED:	901	PA&ED:	9/1/2018
								Const:	3,220	PS&E:	662	RW Cert:	12/1/2019
										RW:	164	RTL:	1/1/2020
										Con:	613	Begin Con:	5/1/2020
								Subtotal:	3,820		2,340		
				Performance Measure				**Total (Capital + Support):**	**$6,160**				
				24 Collisions Reduced									
MANDATES													
101	75.3/77.6	In Eureka, from north of Herrick Avenue Overcrossing to south of the Eureka Slough Bridge. Upgrade curb ramps, sidewalks, and signal push-buttons to ADA standards.	2346	0B620	0112000156	201.378	2019/20	RW:	695	PA&ED:	462	PA&ED:	6/1/2018
								Const:	5,589	PS&E:	921	RW Cert:	3/1/2020
										RW:	644	RTL:	3/1/2020
										Con:	660	Begin Con:	9/1/2020
								Subtotal:	6,284		2,687		
				Performance Measure				**Total (Capital + Support):**	**$8,971**				
				50 Curb Ramps									
299	R16.1/R16.4	Near Blue Lake, from north of Simpson Road to north of Chezem Road at various locations. Install erosion control Storm Water Mitigation measures at 3 locations.	2378	0E030	0113000099	201.335	2019/20	RW:	19	PA&ED:	425	PA&ED:	2/1/2018
								Const:	3,008	PS&E:	880	RW Cert:	7/1/2019
										RW:	89	RTL:	8/1/2019
										Con:	648	Begin Con:	4/1/2020
								Subtotal:	3,027		2,042		
				Performance Measure				**Total (Capital + Support):**	**$5,069**				
				14.33 Acres									

Proposed

2016 SHOPP Project List
Humboldt
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
BRIDGE PRESERVATION													
36	11.4/34.5	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 three bridges. (G13 Contingency Project)	2363	0C500	0112000292	201.112	2018/19	RW:	502	PA&ED:	2,947	PA&ED:	2/1/2018
								Const:	0	PS&E:	3,646	RW Cert:	2/1/2019
										RW:	268	RTL:	3/1/2019
										Con:	0	Begin Con:	9/1/2019
								Subtotal:	502		6,861		
				Performance Measure			**Total (Capital + Support):**		**$7,363**				
				3 Bridge(s)									
96		Near Hoopa, on Route 96, at Trinity River Bridge #04-0137; also near Arcata, on Route 101, at Arcata Overhead #04-0079R. Clean, spot blast and repaint bridges.	2383	0E100	0113000124	201.119	2016/17	RW:	21	PA&ED:	307	PA&ED:	8/1/2016
								Const:	1,845	PS&E:	455	RW Cert:	2/1/2017
										RW:	87	RTL:	3/1/2017
										Con:	516	Begin Con:	8/1/2017
								Subtotal:	1,866		1,365		
				Performance Measure			**Total (Capital + Support):**		**$3,231**				
				2 Bridge(s)									
96	VAR	In Humboldt County on Routes 96 and 101 at various locations. Seismic retrofit 3 bridges.	2302	0A120	0113000109	201.113	2019/20	RW:	1,089	PA&ED:	1,419	PA&ED:	2/1/2019
								Const:	6,171	PS&E:	1,856	RW Cert:	2/1/2020
										RW:	171	RTL:	3/1/2020
										Con:	1,948	Begin Con:	9/1/2020
								Subtotal:	7,260		5,394		
				Performance Measure			**Total (Capital + Support):**		**$12,654**				
				3 Bridge(s)									

Proposed

2016 SHOPP Project List
Humboldt
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	27.7/M53.9	Near Fortuna, at South Fork Eel River Bridge No. 04-0123 and Eel River Bridge No. 04-0016R. Seismic retrofit.	2301	0A110	0112000211	201.113	2017/18	RW:	44	PA&ED:	1,198	PA&ED:	11/1/2016
								Const:	5,565	PS&E:	1,145	RW Cert:	10/15/2017
										RW:	204	RTL:	11/1/2017
										Con:	1,171	Begin Con:	5/9/2018
								Subtotal:	5,609		3,718		
				Performance Measure			**Total (Capital + Support):**		**$9,327**				
				2 Bridge(s)									
101	79.5/80.2	In Eureka at the Eureka Slough Bridge No. 04-0022L. Seismic retrofit.	2417	0F200	0115000088	201.113	2019/20	RW:	3,837	PA&ED:	709	PA&ED:	2/1/2019
								Const:	3,695	PS&E:	1,574	RW Cert:	2/1/2020
										RW:	75	RTL:	3/1/2020
										Con:	1,206	Begin Con:	9/1/2020
								Subtotal:	7,532		3,564		
				Performance Measure			**Total (Capital + Support):**		**$11,096**				
				1 Bridge(s)									
101	79.8/84.7	Near Eureka, at various locations from 0.2 miles south of Eureka Slough Bridge to 0.2 miles north of Gannon Slough Bridge. Upgrade bridge rails and replace bridge.	2376	0E000	0113000091	201.112	2018/19	RW:	196	PA&ED:	1,100	PA&ED:	5/1/2016
								Const:	4,249	PS&E:	1,514	RW Cert:	7/1/2018
										RW:	63	RTL:	8/1/2018
										Con:	892	Begin Con:	11/15/2018
								Subtotal:	4,445		3,569		
				Performance Measure			**Total (Capital + Support):**		**$8,014**				
				300 Linear Feet									

Proposed

2016 SHOPP Project List
Humboldt
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	R17.9/87.8	In Humboldt County, at South Fork Eel River Bridge and Separation (No. 04 -0065), South Fork Eel River Bridge (No. 04 -0076) (PM 35.5), and Arcata Overhead (No. 04-0079R). Strengthen three bridge structures.	2400	0E770	0115000009	201.322	2018/19	RW:	1,359	PA&ED:	1,010	PA&ED:	6/1/2018
								Const:	0	PS&E:	1,355	RW Cert:	6/1/2019
										RW:	65	RTL:	6/1/2019
										Con:	0	Begin Con:	12/25/2020
		(G13 Contingency Project)						Subtotal:	1,359		2,430		
				Performance Measure				**Total (Capital + Support):**	**$3,789**				
				3 Bridge(s)									
283	.1	In and near Scotia and Rio Dell, at Eel River Overhead No. 04-0015. Place methacrylate overlay, spot blast, clean, and paint steel bridge members.	2407	0E840	0115000036	201.119	2016/17	RW:	11	PA&ED:	296	PA&ED:	10/1/2016
								Const:	4,162	PS&E:	679	RW Cert:	4/1/2017
										RW:	14	RTL:	4/1/2017
										Con:	973	Begin Con:	10/1/2017
								Subtotal:	4,173		1,962		
				Performance Measure				**Total (Capital + Support):**	**$6,135**				
				1 Bridge(s)									
ROADWAY PRESERVATION													
101	69.9/75.2	In and near Eureka, from south of Fields Landing Overhead to north of Herrick Avenue Overcrossing. Roadway rehabilitation.	2382	0C570	0113000009	201.122	2019/20	RW:	366	PA&ED:	646	PA&ED:	3/1/2018
								Const:	31,243	PS&E:	1,258	RW Cert:	12/11/2019
										RW:	52	RTL:	1/2/2020
										Con:	6,696	Begin Con:	7/6/2020
								Subtotal:	31,609		8,652		
				Performance Measure				**Total (Capital + Support):**	**$40,261**				
				21.1 Lane Miles									

Proposed

2016 SHOPP Project List
Humboldt
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	78.0/79.8	In Eureka on 4th Street from Broadway to Eureka Slough Bridge; also on 5th street from O Street to Eureka Slough Bridge. Pavement rehabilitation.	2380	0E040	0113000100	201.121	2018/19	RW:	21	PA&ED:	107	PA&ED:	10/1/2017
								Const:	3,135	PS&E:	167	RW Cert:	10/1/2018
										RW:	104	RTL:	11/1/2018
										Con:	725	Begin Con:	4/1/2019
								Subtotal:	3,156		1,103		
				Performance Measure				**Total (Capital + Support):**	**$4,259**				
				7 Lane Miles									
254	6.8/42.1	Near Miranda, from 2.3 miles south of Miranda Post Office to 0.9 mile south of Bear Creek Bridge. Upgrade drainage systems.	2270	40950	0100000158	201.151	2017/18	RW:	305	PA&ED:	266	PA&ED:	1/1/2017
								Const:	1,160	PS&E:	140	RW Cert:	7/1/2017
										RW:	151	RTL:	8/1/2017
										Con:	190	Begin Con:	1/1/2018
								Subtotal:	1,465		747		
				Performance Measure				**Total (Capital + Support):**	**$2,212**				
				8 Drainage System(s)									
MOBILITY													
36	36.1/40.5	In and near Dinsmore, on Route 36 (Forest Highway 4). Roadway improvements.	2272	43730	0112000180	201.310	2016/17	RW:	1,020	PA&ED:	200	PA&ED:	1/30/2015
								Const:	6,090	PS&E:	30	RW Cert:	7/1/2016
										RW:	600	RTL:	7/15/2016
										Con:	40	Begin Con:	2/1/2017
								Subtotal:	7,110		870		
				Performance Measure				**Total (Capital + Support):**	**$7,980**				
				1 1000 Vehicle									

Proposed

2016 SHOPP Project List
Humboldt
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	79.9/86.1	In and near Eureka and Arcata, from south of Cole Avenue to north of Route 255. Operational improvements.	2418	0F220	0115000092	201.310	2018/19	RW:	240	PA&ED:	414	PA&ED:	2/1/2017
								Const:	6,807	PS&E:	667	RW Cert:	6/1/2018
										RW:	114	RTL:	7/15/2018
										Con:	830	Begin Con:	10/15/2018
								Subtotal:	7,047		2,025		
				Performance Measure				**Total (Capital + Support):**	**$9,072**				
				23 1000 Vehicle									
								RW:	14,423	PA&ED:	15,519		
								Const:	118,654	PS&E:	22,088		
										RW:	4,203		
										Con:	21,965		
								Subtotal:	133,077		63,775		

Humboldt County Total (Capital + Support): $196,852

Proposed

2016 SHOPP Project List
Imperial
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
ROADWAY PRESERVATION													
78	62.3/73.8	In Imperial County, from west of Midway Well Road to east of Mitchell Camp Road at various locations. Culvert replacement.	0603	42050	1115000052	201.151	2019/20	RW:	0	PA&ED:	177	PA&ED:	8/23/2018
								Const:	687	PS&E:	409	RW Cert:	7/18/2019
										RW:	0	RTL:	8/26/2019
										Con:	201	Begin Con:	4/27/2020
								Subtotal:	687		787		
				Performance Measure			**Total (Capital + Support):**		**$1,474**				
				6 Drainage System(s)									
115	L10.4/19.8	In Imperial County, from north of Alamo River Bridge to north of Gonder Road. Culvert replacement.	0602	42060	1115000053	201.151	2019/20	RW:	0	PA&ED:	165	PA&ED:	7/11/2018
								Const:	417	PS&E:	371	RW Cert:	6/10/2019
										RW:	0	RTL:	7/12/2019
										Con:	190	Begin Con:	3/12/2020
								Subtotal:	417		726		
				Performance Measure			**Total (Capital + Support):**		**$1,143**				
				4 Drainage System(s)									
								RW:	0	PA&ED:	342		
								Const:	1,104	PS&E:	780		
										RW:	0		
										Con:	391		
								Subtotal:	1,104		1,513		
							Imperial County Total (Capital + Support):		**$2,617**				

Proposed

2016 SHOPP Project List
Inyo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
6	4.3/8.4	In Inyo and Mono counties, near Bishop, from north of Silver Canyon Road to north of Pumice Mill Road (Mno-6-0.0/0.8) Widen shoulder and construct rumble strips.	0660	36460	0915000045	201.015	2017/18	RW:	0	PA&ED:	300	PA&ED:	9/26/2016
								Const:	3,790	PS&E:	974	RW Cert:	2/22/2017
										RW:	2	RTL:	8/31/2017
										Con:	1,119	Begin Con:	3/7/2018
								Subtotal:	3,790		2,395		
				Performance Measure				**Total (Capital + Support):**	**$6,185**				
				58.8 Collisions Reduced									
190	69.2/69.8	In Death Valley National Park near Panamint Springs, east of Panamint Valley Road. Widen shoulders and realign roadway curves.	0610	35320	0912000007	201.015	2017/18	RW:	322	PA&ED:	535	PA&ED:	1/3/2017
								Const:	4,323	PS&E:	850	RW Cert:	3/5/2018
										RW:	130	RTL:	6/29/2018
										Con:	520	Begin Con:	1/3/2019
								Subtotal:	4,645		2,035		
				Performance Measure				**Total (Capital + Support):**	**$6,680**				
				40 Collisions Reduced									
VAR		In Inyo and Mono Counties on various routes at various locations. Install rumble strips and signs at various locations.	0652	36610	0915000043	201.010	2016/17	RW:	1	PA&ED:	80	PA&ED:	4/1/2016
								Const:	420	PS&E:	150	RW Cert:	10/1/2016
										RW:	1	RTL:	11/1/2016
										Con:	265	Begin Con:	6/1/2017
								Subtotal:	421		496		
				Performance Measure				**Total (Capital + Support):**	**$917**				
				135 Collisions Reduced									

Proposed

2016 SHOPP Project List
Inyo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year		Capital		Support		Milestones
MANDATES													
168		In Bishop, from Pioneer Lane to Route 395; also on Route 395 from Jay Street to Wye Road. Upgrade pedestrian facilities.	0611	35210	0900020090	201.378	2017/18	RW:	1,448	PA&ED:	287	PA&ED:	1/30/2015
								Const:	3,270	PS&E:	936	RW Cert:	5/26/2017
										RW:	1,730	RTL:	6/1/2017
										Con:	765	Begin Con:	12/1/2017
								Subtotal:	4,718		3,718		
				Performance Measure			**Total (Capital + Support):**		**$8,436**				
				211 Structure(s)									
ROADWAY PRESERVATION													
127		Near Shoshone, at various locations. Replace deteriorating culverts.	0614	35750	0913000002	201.151	2016/17	RW:	81	PA&ED:	160	PA&ED:	9/1/2015
								Const:	2,349	PS&E:	630	RW Cert:	11/2/2016
										RW:	47	RTL:	2/2/2017
										Con:	580	Begin Con:	8/1/2017
								Subtotal:	2,430		1,417		
				Performance Measure			**Total (Capital + Support):**		**$3,847**				
				4 Drainage System(s)									
178	43.4/44.2	Near Shoshone, from east of Route 127 to Chicago Valley Road. Replace and install culverts.	0653	36340	0915000002	201.151	2019/20	RW:	65	PA&ED:	405	PA&ED:	7/1/2018
								Const:	2,210	PS&E:	620	RW Cert:	3/1/2020
										RW:	80	RTL:	3/1/2020
										Con:	405	Begin Con:	11/1/2020
								Subtotal:	2,275		1,510		
				Performance Measure			**Total (Capital + Support):**		**$3,785**				
				3 Drainage System(s)									

Proposed

2016 SHOPP Project List
Inyo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
395	54.6/57.4	In and near Lone Pine, from 1.2 miles south of Route 136 to East Inyo Street; also on Route 136 at the Route 395 intersection (PM 0.0/0.1). Pavement rehabilitation.	0657	36590	0915000042	201.121	2018/19	RW:	0	PA&ED:	130	PA&ED:	9/29/2017
								Const:	7,170	PS&E:	490	RW Cert:	11/10/2017
										RW:	220	RTL:	8/23/2018
										Con:	890	Begin Con:	2/28/2019
								Subtotal:	7,170		1,730		
				Performance Measure				**Total (Capital + Support):**	**$8,900**				
				14 Lane Miles									
395	77.4/91.6	Near Independence, from north of North Fort Independence Road to south of Elna Road. Pavement rehabilitation.	0656	36580	0915000041	201.121	2017/18	RW:	0	PA&ED:	94	PA&ED:	9/30/2016
								Const:	3,916	PS&E:	365	RW Cert:	11/14/2016
										RW:	1	RTL:	8/7/2017
										Con:	425	Begin Con:	2/8/2018
								Subtotal:	3,916		885		
				Performance Measure				**Total (Capital + Support):**	**$4,801**				
				28.4 Lane Miles									
								RW:	1,917	PA&ED:	1,991		
								Const:	27,448	PS&E:	5,015		
										RW:	2,211		
										Con:	4,969		
								Subtotal:	29,365		14,186		

Inyo County Total (Capital + Support): $43,551

Proposed

2016 SHOPP Project List
Kern
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year		Capital		Support		Milestones
MAJOR DAMAGE RESTORATION													
VAR		In Kern, Kings, and Fresno counties at various locations on Routes 5, 46, 58, 99, 178, and 204. Repair traffic operation and irrigation systems.	6724	0S610	0614000253	201.131	2016/17	RW:	112	PA&ED:	647	PA&ED:	4/27/2015
								Const:	21,263	PS&E:	2,151	RW Cert:	3/15/2017
										RW:	1,019	RTL:	3/23/2017
										Con:	2,498	Begin Con:	9/1/2017
								Subtotal:	21,375		6,315		
				Performance Measure				**Total (Capital + Support):**	**$27,690**				
				700 Location(s)									
COLLISION REDUCTION													
5	54.1	Near Buttonwillow, at the northbound and southbound Buttonwillow safety roadside rest areas. Upgrade water and waste water systems.	6662	0Q620	0613000150	201.235	2016/17	RW:	10	PA&ED:	530	PA&ED:	3/1/2016
								Const:	2,000	PS&E:	980	RW Cert:	2/1/2017
										RW:	10	RTL:	5/15/2017
										Con:	1,050	Begin Con:	10/1/2017
								Subtotal:	2,010		2,570		
				Performance Measure				**Total (Capital + Support):**	**$4,580**				
				2 Location(s)									
43	0.1/0.4	Near Bakersfield, at the intersection of Routes 43 and 119. Intersection improvement.	6698	0P900	0612000293	201.010	2017/18	RW:	1,160	PA&ED:	1,323	PA&ED:	10/28/2015
								Const:	4,200	PS&E:	1,348	RW Cert:	1/15/2018
										RW:	880	RTL:	1/29/2018
										Con:	850	Begin Con:	9/26/2018
								Subtotal:	5,360		4,401		
				Performance Measure				**Total (Capital + Support):**	**$9,761**				
				38 Collisions Reduced									

Proposed

2016 SHOPP Project List
Kern
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
99	23.1/27.3	Near Bakersfield, from Belle Terrace to Minkler Underpass Bridge No. 50-049. Repaint lane lines and add lighting at Interchanges.	6707	0S450	0614000155	201.010	2017/18	RW:	121	PA&ED:	320	PA&ED:	11/23/2015
								Const:	2,350	PS&E:	650	RW Cert:	7/1/2017
										RW:	100	RTL:	7/15/2017
										Con:	435	Begin Con:	12/1/2017
								Subtotal:	2,471		1,505		
				Performance Measure				**Total (Capital + Support):**	**$3,976**				
				199 Collisions Reduced									
155	1.5	Near Delano, at Browning Road. Construct a roundabout.	6636	0P290	0612000106	201.010	2016/17	RW:	1,010	PA&ED:	391	PA&ED:	9/2/2014
								Const:	2,540	PS&E:	722	RW Cert:	10/3/2016
										RW:	432	RTL:	10/14/2016
										Con:	422	Begin Con:	4/3/2017
								Subtotal:	3,550		1,967		
				Performance Measure				**Total (Capital + Support):**	**$5,517**				
				28 Collisions Reduced									
178	1.7/6.9	In Bakersfield, from M Street to east of Fairfax Road at various locations. Roadside safety improvements.	3729	0E320	0613000037	201.235	2018/19	RW:	0	PA&ED:	220	PA&ED:	2/1/2017
								Const:	2,644	PS&E:	300	RW Cert:	6/15/2018
										RW:	10	RTL:	8/6/2018
										Con:	310	Begin Con:	1/22/2019
								Subtotal:	2,644		840		
				Performance Measure				**Total (Capital + Support):**	**$3,484**				
				53 Location(s)									

Proposed

2016 SHOPP Project List
Kern
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
223	21.0/21.3	In and Near Arvin, at Derby Street. Install traffic signals.	6709	0S510	0614000162	201.010	2017/18	RW:	74	PA&ED:	348	PA&ED:	8/10/2015
								Const:	891	PS&E:	545	RW Cert:	2/1/2018
										RW:	345	RTL:	2/1/2018
										Con:	400	Begin Con:	9/1/2018
								Subtotal:	965		1,638		
				Performance Measure				**Total (Capital + Support):**	**$2,603**				
				6 Collisions Reduced									
BRIDGE PRESERVATION													
58	R94.2	In Tehachapi, at the Summit Overhead Bridge No. 50-343L/R. Upgrade bridge rail	6673	0Q180	0613000145	201.112	2017/18	RW:	2	PA&ED:	0	PA&ED:	6/27/2013
								Const:	1,425	PS&E:	711	RW Cert:	3/1/2018
										RW:	25	RTL:	3/15/2018
										Con:	680	Begin Con:	10/1/2018
								Subtotal:	1,427		1,416		
				Performance Measure				**Total (Capital + Support):**	**$2,843**				
				300 Linear Feet									
58	R99.0/R100.3	Near Tehachapi, at Cache Creek Bridge No.50-346L/R. Replace Bridge.	6674	0Q190	0613000152	201.110	2017/18	RW:	60	PA&ED:	414	PA&ED:	7/28/2015
								Const:	11,000	PS&E:	2,327	RW Cert:	1/2/2018
										RW:	60	RTL:	1/15/2018
										Con:	2,768	Begin Con:	9/1/2018
								Subtotal:	11,060		5,569		
				Performance Measure				**Total (Capital + Support):**	**$16,629**				
				2 Bridge(s)									

Proposed

2016 SHOPP Project List
Kern
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
99	19.5/21.1	In Bakersfield, at Panama Lane Overcrossing and White Lane Overcrossing. Lower highway profile below overcrossings to accommodate clearance requirement for permit vehicles.	6681	0Q920	0614000010	201.322	2019/20	RW:	30	PA&ED:	700	PA&ED:	3/2/2018
								Const:	8,173	PS&E:	1,200	RW Cert:	11/15/2019
										RW:	20	RTL:	12/15/2019
										Con:	1,100	Begin Con:	6/15/2020
								Subtotal:	8,203		3,020		
				Performance Measure				**Total (Capital + Support):**	**$11,223**				
				2 Bridge(s)									
166	17.3/17.7	Near Mettler, at California Aqueduct Bridge (No. 50-0323). Bridge rehabilitation.	6726	0S050	0615000047	201.110	2018/19	RW:	130	PA&ED:	1,045	PA&ED:	1/15/2018
								Const:	7,300	PS&E:	1,650	RW Cert:	1/15/2019
										RW:	100	RTL:	2/1/2019
										Con:	2,100	Begin Con:	7/1/2019
								Subtotal:	7,430		4,895		
				Performance Measure				**Total (Capital + Support):**	**$12,325**				
				1 Bridge(s)									
ROADWAY PRESERVATION													
5	5.6/8.8	Near Lebec, from north Lebec Road to south of Grapevine Road. Rehabilitate drainage systems.	6749	0Q820	0613000243	201.151	2018/19	RW:	50	PA&ED:	375	PA&ED:	7/1/2017
								Const:	5,100	PS&E:	670	RW Cert:	8/1/2018
										RW:	100	RTL:	8/1/2018
										Con:	690	Begin Con:	1/15/2019
								Subtotal:	5,150		1,835		
				Performance Measure				**Total (Capital + Support):**	**$6,985**				
				5 Drainage System(s)									

Proposed

2016 SHOPP Project List
Kern
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
43	0.1/9.3	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.	6755	0U100	0615000211	201.121	2018/19	RW:	23	PA&ED:	450	PA&ED:	7/1/2018
								Const:	0	PS&E:	435	RW Cert:	4/1/2019
										RW:	81	RTL:	5/1/2019
										Con:	0	Begin Con:	11/15/2019
								Subtotal:	23		966		
				Performance Measure			**Total (Capital + Support):**		**$989**				
				22 Lane Miles									
58	R55.4/R59.7	Near Bakersfield, from Cottonwood Road to 0.3 mile east of Routes 58/184 Separation. Pavement Rehabilitation.	6730	0S470	0615000048	201.122	2016/17	RW:	20	PA&ED:	616	PA&ED:	4/5/2016
								Const:	28,700	PS&E:	1,917	RW Cert:	3/15/2017
										RW:	38	RTL:	3/23/2017
										Con:	3,341	Begin Con:	10/11/2017
								Subtotal:	28,720		5,912		
				Performance Measure			**Total (Capital + Support):**		**$34,632**				
				8.6 Lane Miles									
99	0.0/19.5	In and near Bakersfield, from Route 5 to Panama Lane. Roadway rehabilitation.	6731	0T200	0615000035	201.122	2018/19	RW:	120	PA&ED:	1,160	PA&ED:	8/1/2017
								Const:	31,500	PS&E:	1,600	RW Cert:	8/1/2018
										RW:	100	RTL:	12/1/2018
										Con:	3,600	Begin Con:	5/1/2019
								Subtotal:	31,620		6,460		
				Performance Measure			**Total (Capital + Support):**		**$38,080**				
				58.5 Lane Miles									

Proposed

2016 SHOPP Project List
Kern
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
99	10.5/20.5	Near Bakersfield, from north of Herring Road to Pacheco Road (Truck lane-southbound only). Rehabilitate pavement.	3036	0R140	0614000038	201.122	2016/17	RW:	3	PA&ED:	800	PA&ED:	4/1/2016
								Const:	24,000	PS&E:	1,350	RW Cert:	12/1/2016
										RW:	20	RTL:	3/15/2017
										Con:	2,800	Begin Con:	8/1/2017
								Subtotal:	24,003		4,970		
				Performance Measure				**Total (Capital + Support):**	**$28,973**				
				10 Lane Miles									
99	24.1/28.4	In and near Bakersfield, from Palm Street to Beardsley Canal. Rehabilitate roadway. (G13 Contingency Project)	6661	0Q280	0613000051	201.120	2017/18	RW:	70	PA&ED:	3,000	PA&ED:	8/1/2016
								Const:	0	PS&E:	4,000	RW Cert:	2/1/2018
										RW:	20	RTL:	3/1/2018
										Con:	0	Begin Con:	10/1/2018
								Subtotal:	70		7,020		
				Performance Measure				**Total (Capital + Support):**	**$7,090**				
				17.2 Lane Miles									
ROADSIDE PRESERVATION													
99	21.6/24.7	In Bakersfield, from Planz Road to north of California Avenue. Upgrade irrigation system to improve water efficiency.	6735	0T280	0615000052	201.210	2018/19	RW:	1	PA&ED:	41	PA&ED:	6/2/2017
								Const:	1,156	PS&E:	200	RW Cert:	3/8/2018
										RW:	3	RTL:	7/31/2018
										Con:	180	Begin Con:	1/10/2019
								Subtotal:	1,157		424		
				Performance Measure				**Total (Capital + Support):**	**$1,581**				
				12.36 Acres									

Proposed

2016 SHOPP Project List
Kern
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 2,996	PA&ED: 12,380	
								Const: 154,242	PS&E: 22,756	
									RW: 3,363	
									Con: 23,224	
								Subtotal: 157,238	61,723	

Kern County Total (Capital + Support): $218,961

Proposed

2016 SHOPP Project List
Kings
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
41	34.5/35.0	Near Stratford, from 0.3 mile north of Kings Avenue to 0.3 mile north of Kansas Avenue. Install left turn channelization and right turn widening.	6734	0T240	0615000041	201.010	2017/18	RW: 100 Const: 1,370	PA&ED: 600 PS&E: 700 RW: 200 Con: 480	PA&ED: 8/1/2016 RW Cert: 3/1/2018 RTL: 3/1/2018 Begin Con: 9/12/2018
								Subtotal: 1,470	1,980	
				Performance Measure 20 Collisions Reduced				**Total (Capital + Support): $3,450**		
198	8.3/R19.4	In and near Lemoore and Hanford, from Route 41 to 10th Avenue Undercrossing. Pave areas beyond gore and bridge slopes.	6737	0T290	0615000053	201.235	2018/19	RW: 0 Const: 3,200	PA&ED: 350 PS&E: 950 RW: 40 Con: 500	PA&ED: 1/9/2017 RW Cert: 11/1/2017 RTL: 7/1/2018 Begin Con: 10/15/2018
								Subtotal: 3,200	1,840	
				Performance Measure 40 Location(s)				**Total (Capital + Support): $5,040**		
198	R15.5	Near Hanford, at the Hanford-Armona Road Undercrossing. Improve intersection.	6651	0Q320	0613000034	201.010	2017/18	RW: 240 Const: 2,263	PA&ED: 925 PS&E: 1,475 RW: 725 Con: 806	PA&ED: 2/1/2016 RW Cert: 1/15/2018 RTL: 1/22/2018 Begin Con: 7/18/2018
								Subtotal: 2,503	3,931	
				Performance Measure 46 Collisions Reduced				**Total (Capital + Support): $6,434**		

Proposed

2016 SHOPP Project List
Kings
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
198	R18.4	In the city of Hanford, at the ramp intersection of 4th Street and Redington Avenue. Install traffic signals.	6746	0T510	0615000096	201.010	2016/17	RW:	35	PA&ED:	350	PA&ED:	5/2/2016
								Const:	890	PS&E:	600	RW Cert:	3/31/2017
										RW:	50	RTL:	3/31/2017
										Con:	350	Begin Con:	9/1/2017
								Subtotal:	925		1,350		
				Performance Measure				**Total (Capital + Support):**	**$2,275**				
				8 Collisions Reduced									
ROADWAY PRESERVATION													
5	0.0/9.0	Near Lost Hills, from Kern/Kings County line to south of Utica Avenue. Roadway rehabilitation.	6729	0S490	0615000050	201.122	2018/19	RW:	4	PA&ED:	400	PA&ED:	10/1/2017
								Const:	25,000	PS&E:	1,300	RW Cert:	1/15/2019
										RW:	20	RTL:	2/15/2019
										Con:	1,740	Begin Con:	9/23/2019
								Subtotal:	25,004		3,460		
				Performance Measure				**Total (Capital + Support):**	**$28,464**				
				36 Lane Miles									
								RW:	379	PA&ED:	2,625		
								Const:	32,723	PS&E:	5,025		
										RW:	1,035		
										Con:	3,876		
								Subtotal:	33,102		12,561		

Kings County Total (Capital + Support): $45,663

Proposed

2016 SHOPP Project List
Lake
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
1	VAR	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.	7018	0E850	0115000037	201.015	2018/19	RW: 12 Const: 3,800 Subtotal: 3,812	PA&ED: 742 PS&E: 812 RW: 81 Con: 1,266 2,901	PA&ED: 3/1/2018 RW Cert: 2/15/2019 RTL: 3/1/2019 Begin Con: 9/2/2019
				Performance Measure 12 Collisions Reduced				**Total (Capital + Support):**	**$6,713**	
20		Near Clear Lake Oaks, on Route 20, from 0.4 mile west to 0.4 mile east of Route 53; also on Route 53, from 0.3 mile south of Route 20 to Route 20. Install traffic signal or a roundabout.	3096	0C810	0113000060	201.010	2017/18	RW: 502 Const: 5,654 Subtotal: 6,156	PA&ED: 706 PS&E: 859 RW: 217 Con: 1,143 2,925	PA&ED: 9/1/2016 RW Cert: 1/15/2018 RTL: 2/1/2018 Begin Con: 6/1/2018
				Performance Measure 40 Collisions Reduced				**Total (Capital + Support):**	**$9,081**	
29	28.5/31.6	Near Kelseyville, from north of Route 29/281 Junction to north of Route 29/175 Junction. Improve road condition.	3099	29811	0114000043	201.010	2017/18	RW: 3,000 Const: 34,000 Subtotal: 37,000	PA&ED: 500 PS&E: 2,500 RW: 700 Con: 2,000 5,700	PA&ED: 10/1/2016 RW Cert: 2/15/2018 RTL: 3/1/2018 Begin Con: 8/15/2018
				Performance Measure 146 Collisions Reduced				**Total (Capital + Support):**	**$42,700**	

Proposed

2016 SHOPP Project List
Lake
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
29	34.2/R34.5	Near Kelseyville, from 0.1 mile south to 0.1 mile north of Cruickshank Road. Widen for left- turn channelization safety improvements	3101	0E640	0114000116	201.010	2017/18	RW:	7	PA&ED:	410	PA&ED:	7/15/2016
								Const:	1,050	PS&E:	375	RW Cert:	7/1/2017
										RW:	30	RTL:	8/1/2017
										Con:	390	Begin Con:	1/1/2018
								Subtotal:	1,057		1,205		
				Performance Measure			**Total (Capital + Support):**		**$2,262**				
				27 Collisions Reduced									
29	9.6/10.3	Near Middletown, from Putah Creek to 0.9 mile south of Hidden Valley Lake. Install traffic signal or a roundabout.	3095	0C750	0113000046	201.010	2017/18	RW:	142	PA&ED:	954	PA&ED:	7/1/2016
								Const:	5,875	PS&E:	1,185	RW Cert:	10/15/2017
										RW:	201	RTL:	11/1/2017
										Con:	995	Begin Con:	4/1/2018
								Subtotal:	6,017		3,335		
				Performance Measure			**Total (Capital + Support):**		**$9,352**				
				23 Collisions Reduced									
175	R25.0/27.5	Near Middletown, from east of Putah Creek Bridge to Dry Creek Bridge. Widen shoulders.	3080	0A040	0100020013	201.010	2017/18	RW:	2,000	PA&ED:	2,214	PA&ED:	10/1/2016
								Const:	10,221	PS&E:	2,161	RW Cert:	2/15/2018
										RW:	582	RTL:	3/1/2018
										Con:	2,784	Begin Con:	7/15/2018
								Subtotal:	12,221		7,741		
				Performance Measure			**Total (Capital + Support):**		**$19,962**				
				22 Collisions Reduced									

Proposed

2016 SHOPP Project List
Lake
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
MANDATES													
29	R41.4	Near Lakeport, at Lakeport overcrossing. Upgrade pedestrian facilities.	3097	0B690	0112000184	201.378	2016/17	RW:	7	PA&ED:	206	PA&ED:	3/1/2016
								Const:	478	PS&E:	228	RW Cert:	1/3/2017
										RW:	63	RTL:	2/15/2017
										Con:	265	Begin Con:	5/24/2017
								Subtotal:	485		762		
				Performance Measure				**Total (Capital + Support):**	**$1,247**				
				10 Curb Ramps									
BRIDGE PRESERVATION													
20	VAR	In Lake County on Routes 20, 29 and 175 at various locations. Replace and upgrade bridge rails on 5 bridges.	3098	0E080	0113000122	201.112	2019/20	RW:	263	PA&ED:	943	PA&ED:	2/1/2018
								Const:	5,621	PS&E:	1,136	RW Cert:	7/1/2019
										RW:	324	RTL:	8/15/2019
										Con:	1,601	Begin Con:	1/1/2020
								Subtotal:	5,884		4,004		
				Performance Measure				**Total (Capital + Support):**	**$9,888**				
				853 Linear Feet									

Proposed

2016 SHOPP Project List
Lake
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
ROADWAY PRESERVATION													
VAR		In Lake County, on Routes 20. 29 and 53 at various locations. Upgrade drainage systems.	3047B	42780	0100000180	201.151	2017/18	RW:	438	PA&ED:	880	PA&ED:	7/4/2016
								Const:	3,773	PS&E:	1,346	RW Cert:	1/8/2018
										RW:	746	RTL:	1/15/2018
										Con:	1,135	Begin Con:	5/23/2018
								Subtotal:	4,211		4,107		
				Performance Measure			**Total (Capital + Support):**		**$8,318**				
				34 Drainage System(s)									
								RW:	6,371	PA&ED:	7,555		
								Const:	70,472	PS&E:	10,602		
										RW:	2,944		
										Con:	11,579		
								Subtotal:	76,843		32,680		

Lake County Total (Capital + Support): $109,523

Proposed

2016 SHOPP Project List
Lassen
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
139	6.3/7.2	Near Susanville, from 1.0 to 0.1 mile south of Antelope Radio Street. Curve improvement.	3594	0H630	0215000063	201.010	2017/18	RW:	14	PA&ED:	450	PA&ED:	2/16/2017
								Const:	3,548	PS&E:	620	RW Cert:	2/16/2018
										RW:	200	RTL:	3/2/2018
										Con:	660	Begin Con:	9/4/2018
								Subtotal:	3,562		1,930		
				Performance Measure			**Total (Capital + Support):**		**$5,492**				
				20 Collisions Reduced									
BRIDGE PRESERVATION													
36	7.2/7.4	Near Westwood, at Goodrich Creek Bridge No. 07-0048. Replace bridge.	3512	4F560	0213000006	201.110	2017/18	RW:	45	PA&ED:	600	PA&ED:	11/18/2016
								Const:	2,700	PS&E:	500	RW Cert:	11/17/2017
										RW:	50	RTL:	12/15/2017
										Con:	750	Begin Con:	6/5/2018
								Subtotal:	2,745		1,900		
				Performance Measure			**Total (Capital + Support):**		**$4,645**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Lassen
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
ROADWAY PRESERVATION													
36	22.4/R29.4	In and near Susanville, from east of Eagle Lake Road to Route 395. Rehabilitate pavement.	3529	4F990	0213000057	201.121	2016/17	RW:	165	PA&ED:	450	PA&ED:	6/15/2016
								Const:	9,000	PS&E:	550	RW Cert:	6/15/2017
										RW:	190	RTL:	6/16/2017
										Con:	750	Begin Con:	1/19/2018
								Subtotal:	9,165		1,940		
				Performance Measure				**Total (Capital + Support):**	**$11,105**				
				20.1 Lane Miles									
36	6.1/14.3	Near Westwood, from east of Goodrich Creek Bridge to 1.3 miles west of Willard Creek Road. Rehabilitate roadway.	3468	4E460	0200020287	201.120	2017/18	RW:	210	PA&ED:	1,100	PA&ED:	10/7/2016
								Const:	15,900	PS&E:	1,800	RW Cert:	7/14/2017
										RW:	100	RTL:	8/4/2017
										Con:	2,100	Begin Con:	3/9/2018
								Subtotal:	16,110		5,100		
				Performance Measure				**Total (Capital + Support):**	**$21,210**				
				21 Lane Miles									
299	18.5/25.6	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.	3467	4E450	0200020286	201.120	2019/20	RW:	281	PA&ED:	1,540	PA&ED:	1/17/2019
								Const:	14,317	PS&E:	1,330	RW Cert:	1/17/2020
										RW:	280	RTL:	2/21/2020
										Con:	2,150	Begin Con:	8/25/2020
								Subtotal:	14,598		5,300		
				Performance Measure				**Total (Capital + Support):**	**$19,898**				
				16.8 Lane Miles									

Proposed

2016 SHOPP Project List
Lassen
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
FACILITIES													
299	25.5	Near Adin, at the Adin Maintenance Station (L5701). Construct new facility.	3600	1H110	0215000106	201.352	2018/19	RW:	0	PA&ED:	260	PA&ED:	10/6/2017
								Const:	4,880	PS&E:	1,350	RW Cert:	7/13/2018
										RW:	40	RTL:	8/31/2018
										Con:	1,540	Begin Con:	2/1/2019
								Subtotal:	4,880		3,190		
				Performance Measure			**Total (Capital + Support):**		**$8,070**				
				1 Location(s)									
								RW:	715	PA&ED:	4,400		
								Const:	50,345	PS&E:	6,150		
										RW:	860		
										Con:	7,950		
								Subtotal:	51,060		19,360		

Lassen County Total (Capital + Support): $70,420

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
1	3.5	In Long Beach, at Lakewood Boulevard (Route 19) and Los Alamitos Traffic Circle. Install pavement delineation, overhead guide signs and associated roadway improvements.	4632	29910	0713000302	201.015	2016/17	RW: 11 Const: 2,326 Subtotal: 2,337	PA&ED: 89 PS&E: 356 RW: 5 Con: 445 895	PA&ED: 1/26/2016 RW Cert: 3/3/2017 RTL: 4/3/2017 Begin Con: 5/1/2017
				Performance Measure 59 Collisions Reduced				**Total (Capital + Support):** **$3,232**		
1	38.3/38.7	In the city of Los Angeles (Pacific Palisades), from north of Temescal Canyon Road to Bay Club Drive. Construct shoulders and upgrade guardrail.	4159	27510	0700000519	201.015	2016/17	RW: 1,825 Const: 6,100 Subtotal: 7,925	PA&ED: 744 PS&E: 1,089 RW: 485 Con: 1,095 3,413	PA&ED: 6/15/2015 RW Cert: 2/1/2017 RTL: 4/3/2017 Begin Con: 8/16/2017
				Performance Measure 11 Collisions Reduced				**Total (Capital + Support):** **$11,338**		
1	49.3/50.2	In Malibu, from Puerco Canyon Road to Corral Canyon Road. Reconstruct raised median island.	4650	29930	0713000310	201.010	2017/18	RW: 23 Const: 4,405 Subtotal: 4,428	PA&ED: 400 PS&E: 700 RW: 80 Con: 800 1,980	PA&ED: 11/15/2016 RW Cert: 11/7/2017 RTL: 12/14/2017 Begin Con: 10/8/2018
				Performance Measure 7 Collisions Reduced				**Total (Capital + Support):** **$6,408**		

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
5	16.1/17.0	In the city of Los Angeles, at Route 5/10/60 Interchange. Enhance highway worker safety by modifying irrigation, miscellaneous paving, and other measures.	4594	29640	0713000031	201.235	2016/17	RW:	10	PA&ED:	135	PA&ED:	11/2/2015
								Const:	5,117	PS&E:	699	RW Cert:	9/21/2016
										RW:	27	RTL:	10/21/2016
										Con:	843	Begin Con:	3/21/2017
								Subtotal:	5,127		1,704		
				Performance Measure			**Total (Capital + Support):**		**$6,831**				
				214 Location(s)									
5	18.0/19.0	In the city of Los Angeles, from State Street to north of Route 10; also on Route 10 from west of Route 5 to west of Soto Street (PM S0.4/19.0) Apply High Friction Surface Treatment (HFST) to connectors and ramp.	4904	31840	0715000297	201.010	2017/18	RW:	31	PA&ED:	15	PA&ED:	8/2/2016
								Const:	3,150	PS&E:	600	RW Cert:	7/3/2017
										RW:	10	RTL:	8/31/2017
										Con:	600	Begin Con:	2/15/2018
								Subtotal:	3,181		1,225		
				Performance Measure			**Total (Capital + Support):**		**$4,406**				
				72 Collisions Reduced									
5	25.7	In the city of Los Angeles, near Glendale, at northbound off-ramp to Colorado Freeway Extension. Widen off-ramp, replace MBGR with concrete barrier, and widen LA River Bridge to reduce truck off-tracking.	4505	29230	0712000109	201.015	2016/17	RW:	25	PA&ED:	140	PA&ED:	2/12/2016
								Const:	3,300	PS&E:	410	RW Cert:	12/14/2016
										RW:	15	RTL:	12/15/2016
										Con:	435	Begin Con:	7/19/2017
								Subtotal:	3,325		1,000		
				Performance Measure			**Total (Capital + Support):**		**$4,325**				
				4 Collisions Reduced									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
5	38.8/40.5	In the city of Los Angeles from Filmore Street to Rinaldi Street, also on Route 118 from Route 405 to west of San Fernando Road. Enhance highway worker safety by paving misc. areas, install access gates and maint. vehicle pullout areas.	4586	29510	0713000016	201.235	2017/18	RW: 0 Const: 2,053	PA&ED: 113 PS&E: 333 RW: 0 Con: 466	PA&ED: 7/5/2016 RW Cert: 7/19/2017 RTL: 12/5/2017 Begin Con: 5/7/2018	
				Performance Measure 33 Location(s)				Subtotal: 2,053 **Total (Capital + Support):** **$2,965**	912		
10	18.3/21.1	In the city of Los Angeles, from Route 5 to west of Route 710. Roadside safety improvements.	4716	30430	0714000058	201.235	2018/19	RW: 0 Const: 2,553	PA&ED: 139 PS&E: 400 RW: 6 Con: 400	PA&ED: 1/12/2017 RW Cert: 7/2/2018 RTL: 8/1/2018 Begin Con: 10/1/2018	
				Performance Measure 106 Location(s)				Subtotal: 2,553 **Total (Capital + Support):** **$3,498**	945		
10	R11.0/R14.0	In the city of Los Angeles, from West Boulevard to Hoover Street. Enhance highway worker safety by installing Maintenance Vehicle Pullouts, access gates and other measures.	4597	29600	0713000034	201.235	2016/17	RW: 0 Const: 1,698	PA&ED: 54 PS&E: 324 RW: 0 Con: 385	PA&ED: 12/23/2015 RW Cert: 1/9/2017 RTL: 1/31/2017 Begin Con: 2/26/2018	
				Performance Measure 38 Location(s)				Subtotal: 1,698 **Total (Capital + Support):** **$2,461**	763		

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
10	R2.1/R11.1	In the cities of Los Angeles and Santa Monica, from Route 1/10 separation bridge to west of Crenshaw Boulevard. Roadside safety improvements.	4715	30420	0714000055	201.235	2018/19	RW:	0	PA&ED:	100	PA&ED:	7/12/2017
								Const:	2,935	PS&E:	490	RW Cert:	2/22/2019
										RW:	6	RTL:	3/22/2019
										Con:	490	Begin Con:	6/25/2019
								Subtotal:	2,935		1,086		
				Performance Measure			**Total (Capital + Support):**		**$4,021**				
				207 Location(s)									
14	R24.8/R31.4	In and near Santa Clarita, from Route 5 to Canyon Park Boulevard. Construct roadside safety improvements.	4809	31080	0715000007	201.235	2018/19	RW:	0	PA&ED:	118	PA&ED:	7/27/2017
								Const:	2,552	PS&E:	429	RW Cert:	3/11/2019
										RW:	5	RTL:	4/19/2019
										Con:	548	Begin Con:	10/2/2019
								Subtotal:	2,552		1,100		
				Performance Measure			**Total (Capital + Support):**		**$3,652**				
				95 Location(s)									
14	R54.6/R66.2	In and near Lancaster, from Vincent Ramp Undercrossing to Avenue K 8 Overcrossing. Roadside safety improvements.	4811	31110	0715000006	201.235	2019/20	RW:	0	PA&ED:	118	PA&ED:	10/31/2017
								Const:	2,808	PS&E:	429	RW Cert:	8/15/2019
										RW:	5	RTL:	9/30/2019
										Con:	548	Begin Con:	4/16/2020
								Subtotal:	2,808		1,100		
				Performance Measure			**Total (Capital + Support):**		**$3,908**				
				86 Location(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
27	0.0/11.1	Near Topanga, from Route 1 to Mulholland Drive. Enhance highway worker safety by installing weed barrier, paving maintenance vehicle pull-outs, and other measures.	4652	29960	0713000314	201.235	2016/17	RW:	0	PA&ED:	54	PA&ED:	6/29/2015
								Const:	1,490	PS&E:	284	RW Cert:	2/15/2017
										RW:	0	RTL:	4/14/2017
										Con:	338	Begin Con:	10/11/2017
								Subtotal:	1,490		676		
				Performance Measure			**Total (Capital + Support):**		**$2,166**				
				87 Location(s)									
57	R7.7/R 11.8	In San Dimas and Glendora, from Route 10 to Route 210. Roadside safety improvements.	4706	30180	0714000032	201.235	2018/19	RW:	0	PA&ED:	100	PA&ED:	7/12/2017
								Const:	2,590	PS&E:	350	RW Cert:	7/24/2018
										RW:	20	RTL:	9/28/2018
										Con:	500	Begin Con:	4/10/2019
								Subtotal:	2,590		970		
				Performance Measure			**Total (Capital + Support):**		**$3,560**				
				45 Location(s)									
60	R3.7/R6.3	In and near Monterey Park and Montebello, from Mednick Avenue to Markland drive. Enhance highway worker safety by installing Maintenance Vehicle Pullouts, access gates and other measures.	4595	29580	0713000037	201.235	2016/17	RW:	0	PA&ED:	113	PA&ED:	9/28/2015
								Const:	2,028	PS&E:	334	RW Cert:	10/20/2016
										RW:	0	RTL:	11/18/2016
										Con:	466	Begin Con:	3/20/2017
								Subtotal:	2,028		913		
				Performance Measure			**Total (Capital + Support):**		**$2,941**				
				50 Location(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
91	R11.8/R14.1	In Long Beach, from the Los Angeles River Bridge to Downey Avenue. Enhance highway worker safety by miscellaneous paving, relocating irrigation, and other measures.	4592	29620	0713000029	201.235	2017/18	RW:	0	PA&ED:	73	PA&ED:	2/1/2016
								Const:	2,031	PS&E:	384	RW Cert:	11/28/2016
										RW:	0	RTL:	2/27/2017
										Con:	457	Begin Con:	7/13/2017
								Subtotal:	2,031		914		
				Performance Measure			**Total (Capital + Support):**		**$2,945**				
				83 Location(s)									
91	R14.4/R16.6	In Bellflower, from Downey Avenue to San Gabriel River Bridge. Roadside safety improvements.	4714	30410	0714000057	201.235	2018/19	RW:	0	PA&ED:	99	PA&ED:	8/1/2016
								Const:	2,500	PS&E:	313	RW Cert:	7/2/2018
										RW:	4	RTL:	8/1/2018
										Con:	324	Begin Con:	3/13/2019
								Subtotal:	2,500		740		
				Performance Measure			**Total (Capital + Support):**		**$3,240**				
				20 Location(s)									
101	1.3/6.3	In the city of Los Angeles, from Grand Avenue to Sunset Boulevard. Enhance highway worker safety by modifying irrigation, miscellaneous paving, and other measures.	4630	29860	0713000276	201.235	2016/17	RW:	0	PA&ED:	47	PA&ED:	5/26/2015
								Const:	1,300	PS&E:	246	RW Cert:	1/9/2017
										RW:	0	RTL:	3/2/2017
										Con:	293	Begin Con:	9/11/2017
								Subtotal:	1,300		586		
				Performance Measure			**Total (Capital + Support):**		**$1,886**				
				55 Location(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	7.7/27.7	In the city of Los Angeles, from Highland Avenue to south of Parkway Calabasas. Upgrade median concrete barrier to meet the current standards.	4709	30370	0714000035	201.015	2019/20	RW:	20	PA&ED:	550	PA&ED:	10/13/2017
								Const:	20,100	PS&E:	2,325	RW Cert:	9/3/2019
										RW:	15	RTL:	9/16/2019
										Con:	3,050	Begin Con:	6/2/2020
								Subtotal:	20,120		5,940		
				Performance Measure				**Total (Capital + Support):**	**$26,060**				
				812 Collisions Reduced									
105	R14.1/R17.2	In and near Downey, from Garfield Avenue to east of Woodruff Avenue. Roadside safety improvements.	4893	31640	0715000209	201.235	2019/20	RW:	0	PA&ED:	125	PA&ED:	6/28/2017
								Const:	1,301	PS&E:	250	RW Cert:	6/27/2019
										RW:	25	RTL:	7/12/2019
										Con:	250	Begin Con:	12/26/2019
								Subtotal:	1,301		650		
				Performance Measure				**Total (Capital + Support):**	**$1,951**				
				81 Location(s)									
110	17.9/20.0	In the city of Los Angeles, in Southeast Los Angeles, from Slauson Avenue to 37th Street. Enhance highway worker safety by installing Maintenance Vehicle Pullouts, access gates and other measures.	4596	29590	0713000033	201.235	2016/17	RW:	0	PA&ED:	49	PA&ED:	6/18/2015
								Const:	1,354	PS&E:	256	RW Cert:	2/14/2017
										RW:	0	RTL:	4/17/2017
										Con:	305	Begin Con:	9/7/2017
								Subtotal:	1,354		610		
				Performance Measure				**Total (Capital + Support):**	**$1,964**				
				62 Location(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
110	18.8/23.8	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.	4785	30910	0714000264	201.015	2018/19	RW:	25	PA&ED:	306	PA&ED:	8/17/2017
								Const:	4,520	PS&E:	632	RW Cert:	10/15/2018
										RW:	45	RTL:	11/15/2018
										Con:	813	Begin Con:	5/16/2019
								Subtotal:	4,545		1,796		
				Performance Measure				**Total (Capital + Support):**	**$6,341**				
				13 Collisions Reduced									
110	23.6/30.0	In the city of Los Angeles, from West Temple Street to Arroyo Drive and on northbound off-ramp to Route 5. Upgrade metal beam guardrail, install concrete barrier, removed raised island, and install safety lighting.	4617	29750	0713000194	201.015	2016/17	RW:	23	PA&ED:	363	PA&ED:	8/15/2016
								Const:	6,031	PS&E:	1,116	RW Cert:	12/20/2016
										RW:	33	RTL:	3/15/2017
										Con:	710	Begin Con:	10/9/2017
								Subtotal:	6,054		2,222		
				Performance Measure				**Total (Capital + Support):**	**$8,276**				
				45 Collisions Reduced									
110	24.1/31.9	In cities of Los Angeles, South Pasadena, and Pasadena, from West Sunset Boulevard to East Glenarm Street. Enhance highway worker safety by installing Maintenance Vehicle Pullouts, access gates and other measures.	4588	29530	0713000017	201.235	2016/17	RW:	0	PA&ED:	113	PA&ED:	6/30/2016
								Const:	2,028	PS&E:	333	RW Cert:	4/25/2017
										RW:	0	RTL:	1/18/2018
										Con:	466	Begin Con:	5/14/2018
								Subtotal:	2,028		912		
				Performance Measure				**Total (Capital + Support):**	**$2,940**				
				62 Location(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
118	R9.0/R10.1	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.	4808	31070	0715000004	201.235	2018/19	RW:	0	PA&ED:	118	PA&ED:	4/14/2017
								Const:	2,654	PS&E:	429	RW Cert:	11/9/2018
										RW:	5	RTL:	11/28/2018
										Con:	548	Begin Con:	5/20/2019
								Subtotal:	2,654		1,100		
				Performance Measure				**Total (Capital + Support):**	**$3,754**				
				30 Location(s)									
210	R15.6/R18.5	In and near Glendale and La Canada Flintridge, from Lowell Avenue to Waltonia Drive. Enhance highway worker safety by installing access gates and maintenance vehicle pullouts, and pave misc. areas.	4587	29520	0713000019	201.235	2016/17	RW:	0	PA&ED:	73	PA&ED:	6/26/2015
								Const:	1,800	PS&E:	332	RW Cert:	4/29/2016
										RW:	0	RTL:	3/24/2017
										Con:	405	Begin Con:	2/8/2018
								Subtotal:	1,800		810		
				Performance Measure				**Total (Capital + Support):**	**$2,610**				
				33 Location(s)									
210	R18.5/R24.9	In and near La Canada Flintridge and Pasadena from Waltonia Drive to Route 134/210 interchange. Enhance highway worker safety by installing Maintenance Vehicle Pullouts, access gates and other measures.	4604	29690	0713000112	201.235	2017/18	RW:	0	PA&ED:	101	PA&ED:	9/30/2016
								Const:	2,504	PS&E:	462	RW Cert:	1/30/2018
										RW:	0	RTL:	3/15/2018
										Con:	563	Begin Con:	8/14/2018
								Subtotal:	2,504		1,126		
				Performance Measure				**Total (Capital + Support):**	**$3,630**				
				31 Location(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
210	R24.6/R25.3	In Pasadena, at the Route 210/134/710 Interchange. Roadside safety improvements.	4810	31100	0715000005	201.235	2019/20	RW:	0	PA&ED:	118	PA&ED:	12/15/2016
								Const:	2,970	PS&E:	429	RW Cert:	9/23/2019
										RW:	5	RTL:	10/21/2019
										Con:	548	Begin Con:	5/1/2020
								Subtotal:	2,970		1,100		
				Performance Measure			**Total (Capital + Support):**		**$4,070**				
				53 Location(s)									
210	R25.0/R32.8	In Pasadena, Arcadia and Monrovia, from Route 710 to Huntington Drive. Roadside safety improvements.	4708	30360	0714000031	201.235	2018/19	RW:	0	PA&ED:	144	PA&ED:	9/29/2017
								Const:	2,624	PS&E:	418	RW Cert:	11/5/2018
										RW:	23	RTL:	3/29/2019
										Con:	563	Begin Con:	11/7/2019
								Subtotal:	2,624		1,148		
				Performance Measure			**Total (Capital + Support):**		**$3,772**				
				47 Location(s)									
210	R32.8/R44.7	In the cities of Monrovia, Duarte, Irwindale, Azusa and Glendora, from Huntington Drive to Route 57. Roadside safety improvements.	4707	30190	0714000030	201.235	2018/19	RW:	0	PA&ED:	220	PA&ED:	5/30/2017
								Const:	5,488	PS&E:	620	RW Cert:	10/31/2018
										RW:	26	RTL:	11/30/2018
										Con:	900	Begin Con:	4/30/2019
								Subtotal:	5,488		1,766		
				Performance Measure			**Total (Capital + Support):**		**$7,254**				
				35 Location(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
405	0.7/6.7	In Long Beach and Signal Hill, from Los Cerritos Channel to Pacific Avenue. Enhance highway worker safety by miscellaneous paving, relocating irrigation, and other measures.	4598	29610	0713000035	201.235	2017/18	RW:	0	PA&ED:	81	PA&ED:	1/6/2017
								Const:	2,165	PS&E:	360	RW Cert:	8/15/2016
										RW:	0	RTL:	11/8/2016
										Con:	378	Begin Con:	4/11/2017
								Subtotal:	2,165		819		
				Performance Measure			**Total (Capital + Support):**		**$2,984**				
				105 Location(s)									
405	R21.5/26.3	In and near the cities of Inglewood, Los Angeles, and Culver City, from 105 to Port Road. Enhance highway worker safety by replacing crash cushions, miscellaneous paving, and other measures.	4593	29630	0713000030	201.235	2017/18	RW:	0	PA&ED:	79	PA&ED:	7/5/2016
								Const:	2,130	PS&E:	405	RW Cert:	11/3/2017
										RW:	0	RTL:	12/5/2017
										Con:	475	Begin Con:	3/5/2018
								Subtotal:	2,130		959		
				Performance Measure			**Total (Capital + Support):**		**$3,089**				
				44 Location(s)									
605	R10.4/15.7	In Pico Rivera and Whittier, from Telegraph Road to Rose Hills Road; also in El Monte and Baldwin Park from Ramona Boulevard to Route 210 (PM 20.9/25.6). Replace damaged concrete slabs, grind and groove concrete pavement to increase roadway surface friction during wet conditions.	4799	30980	0714000304	201.010	2016/17	RW:	12	PA&ED:	70	PA&ED:	7/25/2016
								Const:	4,618	PS&E:	690	RW Cert:	3/20/2017
										RW:	20	RTL:	5/18/2017
										Con:	690	Begin Con:	6/30/2017
								Subtotal:	4,630		1,470		
				Performance Measure			**Total (Capital + Support):**		**$6,100**				
				363 Collisions Reduced									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
605	R17.0/R19.5	In and near Industry, from south of Route 60 to Valley Boulevard. Roadside safety improvements.	4713	30400	0714000056	201.235	2018/19	RW:	0	PA&ED:	54	PA&ED:	8/1/2016
								Const:	2,513	PS&E:	324	RW Cert:	6/6/2018
										RW:	60	RTL:	7/5/2018
										Con:	385	Begin Con:	8/20/2018
								Subtotal:	2,513		823		
				Performance Measure			**Total (Capital + Support):**		**$3,336**				
				60 Location(s)									

MANDATES

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
1	0.1/4.0	In Long Beach, Signal Hill and Lakewood on various routes at various locations. Mitigate for stormwater quality by installing bio-filtration swales, basins, media filters and gross solid removal devices, and other best management practices (BMP's).	4390	28660	0700020900	201.335	2016/17	RW:	10	PA&ED:	0	PA&ED:	8/25/2014
								Const:	17,500	PS&E:	2,450	RW Cert:	3/3/2017
										RW:	300	RTL:	4/3/2017
										Con:	2,600	Begin Con:	11/22/2017
								Subtotal:	17,510		5,350		
				Performance Measure			**Total (Capital + Support):**		**$22,860**				
				131 Acres									

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
1	17.4/62.8	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.	4722	30490	0714000086	201.335	2018/19	RW:	427	PA&ED:	800	PA&ED:	6/20/2017
								Const:	4,740	PS&E:	1,823	RW Cert:	9/14/2018
										RW:	62	RTL:	10/19/2018
										Con:	956	Begin Con:	2/26/2019
								Subtotal:	5,167		3,641		
				Performance Measure			**Total (Capital + Support):**		**$8,808**				
				24 Acres									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
1	7.7/9.2	In the cities of Los Angeles, Long Beach, Signal Hill, Lakewood, Carson, and Hawthorn on various routes at various location. Mitigate for stormwater quality by using Best Management Practices (BMP's).	4387	28670	0700020923	201.335	2016/17	RW: 35 Const: 43,200	PA&ED: 0 PS&E: 5,000 RW: 700 Con: 5,000	PA&ED: 6/28/2013 RW Cert: 10/3/2016 RTL: 12/23/2016 Begin Con: 7/7/2017	
				Performance Measure 200 Acres				Subtotal: 43,235 **Total (Capital + Support):** **$53,935**		10,700			
1	8.3/9.9	In Los Angeles and Ventura Counties, on various routes, at various locations. Stabilize soil and erosion control.	4913	31770	0715000261	201.335	2019/20	RW: 85 Const: 1,210	PA&ED: 400 PS&E: 250 RW: 6 Con: 350	PA&ED: 7/16/2018 RW Cert: 8/15/2019 RTL: 9/30/2019 Begin Con: 3/30/2020	
				Performance Measure .9 Acres				Subtotal: 1,295 **Total (Capital + Support):** **$2,301**		1,006			
2	13.1/14.3	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.	4420	28830	0700021024	201.335	2019/20	RW: 36 Const: 6,790	PA&ED: 343 PS&E: 547 RW: 50 Con: 1,100	PA&ED: 9/28/2018 RW Cert: 8/12/2019 RTL: 8/15/2019 Begin Con: 2/14/2020	
				Performance Measure 48.4 Acres				Subtotal: 6,826 **Total (Capital + Support):** **$8,866**		2,040			

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
5	R75.0/R81.8	Near Gorman, from north of Vista Del Lago Road to Route 138, at various locations. Construct storm water mitigation devices.	4836	31260	0715000067	201.335	2017/18	RW:	68	PA&ED:	950	PA&ED:	8/15/2016
								Const:	7,340	PS&E:	2,000	RW Cert:	12/13/2017
										RW:	50	RTL:	1/12/2018
										Con:	1,100	Begin Con:	6/20/2018
								Subtotal:	7,408		4,100		
				Performance Measure				**Total (Capital + Support):**	**$11,508**				
				55.4 Acres									
5	R81.8/R87.8	Near Gorman, from Route 138 to south of Frazier Mountain Park Road, at various locations. Install storm water mitigation devices.	4835	31250	0715000065	201.335	2017/18	RW:	18	PA&ED:	900	PA&ED:	6/15/2016
								Const:	11,025	PS&E:	1,800	RW Cert:	10/3/2017
										RW:	100	RTL:	12/12/2017
										Con:	1,500	Begin Con:	6/5/2018
								Subtotal:	11,043		4,300		
				Performance Measure				**Total (Capital + Support):**	**$15,343**				
				62 Acres									
10	16.6/30.1	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.	3923	26080	0712000104	201.335	2019/20	RW:	480	PA&ED:	1,600	PA&ED:	1/2/2018
								Const:	24,000	PS&E:	2,560	RW Cert:	2/12/2020
										RW:	320	RTL:	3/12/2020
										Con:	3,840	Begin Con:	8/24/2020
								Subtotal:	24,480		8,320		
				Performance Measure				**Total (Capital + Support):**	**$32,800**				
				33 Acres									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
14	33.2/R58.3	In and near Santa Clarita and Palmdale, from Sand Canyon Road Overcrossing to Avenue S Undercrossing. Upgrade curb ramps and sidewalks to Americans with Disabilities Act (ADA) standards.	4492	29100	0712000077	201.378	2016/17	RW:	219	PA&ED:	144	PA&ED:	3/13/2015
								Const:	980	PS&E:	1,000	RW Cert:	10/14/2016
										RW:	60	RTL:	11/15/2016
										Con:	600	Begin Con:	3/29/2017
								Subtotal:	1,199		1,804		
				Performance Measure			**Total (Capital + Support):**		**$3,003**				
				70 Structure(s)									
14	35.0/R53.5	Near Santa Clarita and Palmdale at various locations, from south of Soledad Canyon Road to south of Mountain Spring Road. Install storm water mitigation devices.	4838	31280	0715000069	201.335	2017/18	RW:	34	PA&ED:	240	PA&ED:	7/29/2016
								Const:	8,710	PS&E:	1,264	RW Cert:	11/2/2017
										RW:	20	RTL:	11/30/2017
										Con:	1,360	Begin Con:	5/9/2018
								Subtotal:	8,744		2,884		
				Performance Measure			**Total (Capital + Support):**		**$11,628**				
				38.3 Acres									
14	R25.5/R35.0	In and near Santa Clarita, from north of Sierra Highway to south of Soledad Canyon Road, at various locations. Install storm water mitigation devices.	4833	31230	0715000063	201.335	2017/18	RW:	60	PA&ED:	270	PA&ED:	7/29/2016
								Const:	14,459	PS&E:	2,014	RW Cert:	11/2/2017
										RW:	42	RTL:	11/30/2017
										Con:	2,100	Begin Con:	5/23/2018
								Subtotal:	14,519		4,426		
				Performance Measure			**Total (Capital + Support):**		**$18,945**				
				55.6 Acres									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
19	4.0/8.4	In Lakewood, Bellflower, Paramount and Downey, from Del Amo Boulevard to Gardendale Street. Upgrade curb ramps and sidewalks to Americans with Disabilities Act (ADA) standards.	4485	28990	0712000015	201.378	2016/17	RW:	507	PA&ED:	300	PA&ED:	3/30/2016
								Const:	2,910	PS&E:	705	RW Cert:	4/14/2017
										RW:	45	RTL:	5/31/2017
										Con:	600	Begin Con:	2/22/2018
								Subtotal:	3,417		1,650		
				Performance Measure				**Total (Capital + Support):**	**$5,067**				
				86 Structure(s)									
57	R7.7/R12.2	In San Dimas and Glendora from Route 10 to Route 210, also on Route 60 in and near the cities of Los Angeles, Monterey Park, and Montebello. Construct Americans with Disabilities Act (ADA) curb ramp improvements.	4494	29120	0712000008	201.361	2016/17	RW:	0	PA&ED:	200	PA&ED:	6/25/2015
								Const:	2,257	PS&E:	400	RW Cert:	10/28/2016
										RW:	0	RTL:	12/20/2016
										Con:	400	Begin Con:	5/2/2017
								Subtotal:	2,257		1,000		
				Performance Measure				**Total (Capital + Support):**	**$3,257**				
				120 Curb Ramps									
66	0.0/3.2	In La Verne and Pomona, from Baseline Road to Towne Avenue. Construct and upgrade curb ramps and sidewalks to comply with ADA standards.	4744	30650	0714000177	201.361	2018/19	RW:	0	PA&ED:	350	PA&ED:	3/7/2017
								Const:	3,800	PS&E:	800	RW Cert:	7/27/2018
										RW:	30	RTL:	10/11/2018
										Con:	650	Begin Con:	4/18/2019
								Subtotal:	3,800		1,830		
				Performance Measure				**Total (Capital + Support):**	**$5,630**				
				67 Curb Ramps									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	0.5/29.3	In the cities of Los Angeles and Calabasas, at various locations from Alameda Street to Mureau Road. Mitigate for stormwater quality by installing best management practices (BMP's) and stabilizing soil erosion.	4676	30040	0713000435	201.335	2016/17	RW:	50	PA&ED:	960	PA&ED:	12/16/2015
								Const:	24,902	PS&E:	4,363	RW Cert:	1/5/2017
										RW:	20	RTL:	2/1/2017
										Con:	2,655	Begin Con:	8/3/2017
								Subtotal:	24,952		7,998		
				Performance Measure				**Total (Capital + Support):**	**$32,950**				
				200 Acres									
101	1.7/6.6	In the city of Los Angeles, from Beaudry Avenue to Hollywood Boulevard. Stabilize soil and erosion control.	4814	31140	0715000010	201.335	2018/19	RW:	0	PA&ED:	310	PA&ED:	9/19/2017
								Const:	3,525	PS&E:	440	RW Cert:	2/20/2019
										RW:	19	RTL:	4/19/2019
										Con:	580	Begin Con:	9/20/2019
								Subtotal:	3,525		1,349		
				Performance Measure				**Total (Capital + Support):**	**$4,874**				
				13 Acres									
101	30.9/38.1	In and near Calabasas, Agoura Hills and West Lake Village, from Las Virgenes Road to Lindero Canyon Road; also in and near the cities of Camarillo, Oxnard, and Ventura from Pleasant Valley Road to Padre Juan Canyon Road. Upgrade to ADA standards.	4493	29110	0712000068	201.378	2016/17	RW:	0	PA&ED:	200	PA&ED:	7/20/2016
								Const:	1,969	PS&E:	400	RW Cert:	2/15/2017
										RW:	0	RTL:	3/15/2017
										Con:	400	Begin Con:	10/26/2017
								Subtotal:	1,969		1,000		
				Performance Measure				**Total (Capital + Support):**	**$2,969**				
				118 Structure(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
105	R7.8/R10.3	In Willowbrook and Lynwood, from Main Street to Mona Boulevard. Storm water mitigation including planting of vegetation and the installation of irrigation systems. (G13 Contingency Project)	4908	31740	0715000241	201.335	2018/19	RW: Const:	0 0	PA&ED: PS&E: RW: Con:	150 475 50 0	PA&ED: RW Cert: RTL: Begin Con:	3/30/2017 12/31/2018 1/30/2019 8/14/2019
				Performance Measure 8 Acres				Subtotal: **Total (Capital + Support):**	0 **$675**		675		
107	0.0/4.8	In Torrance, from Route 1 to Redondo Beach Boulevard. Construct curb ramps and reconstruct driveways/sidewalks to meet ADA standards. (G13 Contingency Project)	4749	30700	0714000198	201.361	2018/19	RW: Const:	0 0	PA&ED: PS&E: RW: Con:	181 476 60 0	PA&ED: RW Cert: RTL: Begin Con:	6/22/2017 2/15/2019 3/19/2019 10/1/2019
				Performance Measure 107 Curb Ramps				Subtotal: **Total (Capital + Support):**	0 **$717**		717		
110	13.4/23.1	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.	3279	23830	0714000081	201.335	2018/19	RW: Const:	10 11,000	PA&ED: PS&E: RW: Con:	740 1,855 30 2,234	PA&ED: RW Cert: RTL: Begin Con:	5/1/2017 12/31/2018 2/1/2019 8/30/2019
				Performance Measure 30.8 Acres				Subtotal: **Total (Capital + Support):**	11,010 **$15,869**		4,859		

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
110	3.8/6.5	In the cities of Los Angeles and Carson, from L Street to 223rd Street. Construct storm water treatment Best Management Practices.	4174	27610	0700000525	201.335	2018/19	RW:	65	PA&ED:	940	PA&ED:	12/7/2016
								Const:	9,900	PS&E:	1,250	RW Cert:	11/29/2018
										RW:	300	RTL:	12/31/2018
										Con:	1,900	Begin Con:	12/4/2020
								Subtotal:	9,965		4,390		
				Performance Measure				**Total (Capital + Support):**	**$14,355**				
				29.55 Acres									
134	2.6/4.8	In and near Burbank, from Bob Hope Drive to Victory Boulevard/Riverside Drive. Stabilize soil and erosion control.	4816	31160	0715000011	201.335	2019/20	RW:	0	PA&ED:	120	PA&ED:	10/13/2017
								Const:	2,297	PS&E:	300	RW Cert:	8/1/2019
										RW:	7	RTL:	9/20/2019
										Con:	410	Begin Con:	2/1/2021
								Subtotal:	2,297		837		
				Performance Measure				**Total (Capital + Support):**	**$3,134**				
				10 Acres									
210	R0.0/R9.7	Near Sylmar, San Fernando and Sunland, from Route 5 to Wheatland Avenue. Construct storm water treatment Best Management Practices to reduce Trash Total Maximum Daily Load (TMDL).	3884	25940	0714000104	201.335	2018/19	RW:	106	PA&ED:	700	PA&ED:	12/8/2017
								Const:	15,000	PS&E:	2,000	RW Cert:	8/20/2018
										RW:	100	RTL:	11/15/2018
										Con:	2,500	Begin Con:	3/24/2020
								Subtotal:	15,106		5,300		
				Performance Measure				**Total (Capital + Support):**	**$20,406**				
				33 Acres									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
210	R33.7/R39.8	In the cities of Monrovia, Duarte, Irwindale and Azusa, from Myrtle Avenue to Azusa Avenue. Stabilize soil and erosion control.	4705	30170	0714000033	201.335	2019/20	RW:	0	PA&ED:	144	PA&ED:	4/19/2017
								Const:	3,662	PS&E:	440	RW Cert:	7/1/2019
										RW:	0	RTL:	7/31/2019
										Con:	478	Begin Con:	2/5/2020
								Subtotal:	3,662		1,062		
				Performance Measure			**Total (Capital + Support):**		**$4,724**				
				18.3 Acres									
213	0.0/8.0	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 ADA standards. (G13 Contingency Project)	4743	30660	0714000178	201.361	2018/19	RW:	176	PA&ED:	250	PA&ED:	12/15/2017
								Const:	0	PS&E:	500	RW Cert:	2/15/2019
										RW:	50	RTL:	3/8/2019
										Con:	0	Begin Con:	9/20/2019
								Subtotal:	176		800		
				Performance Measure			**Total (Capital + Support):**		**$976**				
				188 Curb Ramps									
710	23.3/25.6	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.	4717	30440	0714000061	201.335	2018/19	RW:	0	PA&ED:	54	PA&ED:	8/1/2016
								Const:	3,425	PS&E:	600	RW Cert:	7/2/2018
										RW:	6	RTL:	8/1/2018
										Con:	640	Begin Con:	12/18/2018
								Subtotal:	3,425		1,300		
				Performance Measure			**Total (Capital + Support):**		**$4,725**				
				46.4 Acres									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
BRIDGE PRESERVATION										
1	1	In Long Beach, at Alamitos Bay Bridge No. 53-0064. Seismic retrofit.	4165	27540	0700000520	201.113	2017/18	RW: 2,938 Const: 14,590 Subtotal: 17,528	PA&ED: 1,075 PS&E: 1,551 RW: 0 Con: 2,772 5,398	PA&ED: 5/30/2017 RW Cert: 3/30/2018 RTL: 6/1/2018 Begin Con: 9/6/2018
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**	**$22,926**		
1	56.5/56.9	In Malibu, from Guernsey Avenue to Trancas Canyon Road/Broad Beach Road. Replace bridge.	4498	29140	0712000094	201.110	2017/18	RW: 2,021 Const: 5,488 Subtotal: 7,509	PA&ED: 738 PS&E: 1,428 RW: 174 Con: 1,251 3,591	PA&ED: 7/13/2016 RW Cert: 7/5/2017 RTL: 9/11/2017 Begin Con: 5/29/2018
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**	**$11,100**		
1	9.9	In the city of Los Angeles, at Wilmington Overhead Bridge No. 53-0352. Paint and repair bridge deck.	4729	30560	0714000102	201.119	2019/20	RW: 245 Const: 3,883 Subtotal: 4,128	PA&ED: 100 PS&E: 832 RW: 100 Con: 826 1,858	PA&ED: 1/13/2017 RW Cert: 7/1/2019 RTL: 8/14/2019 Begin Con: 12/4/2019
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**	**$5,986**		

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
5	34.6	In the city of Los Angeles, at Sun Valley Overhead Bridge No. 53-1134. Paint bridge and replace deck drain systems	4853	31420	0715000116	201.119	2019/20	RW:	49	PA&ED:	500	PA&ED:	3/15/2017
								Const:	7,200	PS&E:	1,200	RW Cert:	7/10/2019
										RW:	200	RTL:	8/20/2019
										Con:	1,800	Begin Con:	1/17/2020
								Subtotal:	7,249		3,700		
				Performance Measure 1 Bridge(s)				**Total (Capital + Support):**	**$10,949**				
10	22.3/28.2	In Alhambra, Monterey Park, San Gabriel, Rosemead and El Monte, from Fremont Avenue Undercrossing No. 53-647 to Rio Hondo No. 53-657. Reconstruct, repair, clean and seal bridge decks. Repair bridge railing, repair or replace approach/departure slabs and joint seals.	4916	31800	0715000280	201.119	2016/17	RW:	0	PA&ED:	486	PA&ED:	7/29/2016
								Const:	8,265	PS&E:	1,894	RW Cert:	3/14/2017
										RW:	159	RTL:	5/30/2017
										Con:	1,908	Begin Con:	12/15/2017
								Subtotal:	8,265		4,447		
				Performance Measure 30.00 Bridges				**Total (Capital + Support):**	**$12,712**				
10	22.3/28.2	In Alhambra, Monterey Park, San Gabriel, Rosemead and El Monte, from Fremont Avenue Undercrossing No. 53-647 to Rio Hondo No. 53-657. Reconstruct, repair, clean and seal bridge decks. Repair bridge railing, repair or replace approach/departure slabs and joint seals.	4916	31800	0715000280	201.119	2016/17	RW:	0	PA&ED:	486	PA&ED:	08/01/2016
								Const:	8,265	PS&E:	1,894	RW Cert:	03/15/2017
										RW:	159	RTL:	05/31/2017
										Con:	1,908	Begin Con:	12/31/2019
								Subtotal:	8,265		4,447		
				Performance Measure 30.00 Bridges				**Total (Capital + Support):**	**$12,712**				

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
10	28.3	In El Monte, at Rio Hondo Busway Bridge No. 53-2637. Replace bridge deck.	4902	31680	0715000220	201.110	2019/20	RW:	0	PA&ED:	150	PA&ED:	12/29/2017
								Const:	2,553	PS&E:	515	RW Cert:	11/27/2019
										RW:	15	RTL:	12/30/2019
										Con:	765	Begin Con:	6/17/2020
								Subtotal:	2,553		1,445		
				Performance Measure				**Total (Capital + Support):**	**$3,998**				
				1 Bridge(s)									
10	R14.0/19.0	In the city of Los Angeles, at Santa Monica Viaduct (Br. No. 53-1301). Paint and rehabilitate bridge. (G13 Contingency Project)	4599	29660	0713000057	201.110	2016/17	RW:	134	PA&ED:	0	PA&ED:	6/20/2013
								Const:	0	PS&E:	3,024	RW Cert:	4/3/2017
										RW:	30	RTL:	4/24/2017
										Con:	0	Begin Con:	10/19/2017
								Subtotal:	134		3,054		
				Performance Measure				**Total (Capital + Support):**	**$3,188**				
				1 Bridge(s)									
91	R10.2/R10.4	In Compton, at Compton Creek Bridge Overhead and Off-Ramp (No 53-2235 and 53-2237S) and Artesia-Santa Fe Undercrossing 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. (G13 Contingency Project)	4704	30160	0714000024	201.113	2019/20	RW:	0	PA&ED:	700	PA&ED:	7/27/2017
								Const:	0	PS&E:	2,000	RW Cert:	10/18/2019
										RW:	85	RTL:	12/19/2019
										Con:	0	Begin Con:	2/4/2020
								Subtotal:	0		2,785		
				Performance Measure				**Total (Capital + Support):**	**$2,785**				
				5 Bridge(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
91	R11.4	In Long Beach, at Butler-Artesia Undercrossing (Br. No. 53-2169). Upgrade bridge rails and lower on-ramp to increase vertical clearance.	4500	29170	0712000095	201.112	2016/17	RW:	0	PA&ED:	73	PA&ED:	6/28/2013
								Const:	1,446	PS&E:	252	RW Cert:	3/1/2017
										RW:	12	RTL:	4/3/2017
										Con:	295	Begin Con:	7/19/2017
								Subtotal:	1,446		632		
				Performance Measure				**Total (Capital + Support):**	**$2,078**				
				1100 Linear Feet									
101	20	Near Encino, at Encino Pedestrian Overcrossing. Replace pedestrian overcrossing.	4915	31790	0715000277	201.110	2018/19	RW:	110	PA&ED:	404	PA&ED:	7/3/2017
								Const:	6,685	PS&E:	868	RW Cert:	1/17/2019
										RW:	133	RTL:	3/21/2019
										Con:	1,000	Begin Con:	9/19/2019
								Subtotal:	6,795		2,405		
				Performance Measure				**Total (Capital + Support):**	**$9,200**				
				1 Bridge(s)									
110	25.5	In the city of Los Angeles, at Los Angeles River Bridge (No. 53-0421R/L). Spot blast, clean, and paint steel bridge members.	4730	30570	0714000105	201.119	2017/18	RW:	133	PA&ED:	50	PA&ED:	6/23/2014
								Const:	5,631	PS&E:	900	RW Cert:	12/20/2017
										RW:	50	RTL:	3/15/2018
										Con:	900	Begin Con:	9/4/2018
								Subtotal:	5,764		1,900		
				Performance Measure				**Total (Capital + Support):**	**$7,664**				
				2 Bridge(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
134	R13.1	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.	4591	29180	0712000096	201.113	2018/19	RW:	0	PA&ED:	0	PA&ED:	9/1/2017
								Const:	5,360	PS&E:	567	RW Cert:	7/31/2018
										RW:	63	RTL:	8/30/2018
										Con:	630	Begin Con:	2/21/2019
								Subtotal:	5,360		1,260		
				Performance Measure				**Total (Capital + Support):**	**$6,620**				
				2 Bridge(s)									
210	R38.6/R38.9	In Los Angeles County on Routes 210, 405 and 605 at various locations. Bridge seismic retrofit and bridge rail upgrade at five locations.	4788	30930	0714000281	201.113	2019/20	RW:	0	PA&ED:	225	PA&ED:	1/9/2018
								Const:	5,243	PS&E:	989	RW Cert:	8/30/2019
										RW:	0	RTL:	11/19/2019
										Con:	700	Begin Con:	4/10/2020
								Subtotal:	5,243		1,914		
				Performance Measure				**Total (Capital + Support):**	**$7,157**				
				5 Bridge(s)									
405	8.8	In Carson, at Dolores Yard Overhead Bridge No. 53-1168. Upgrade bridge drainage system.	4721	30480	0714000084	201.119	2018/19	RW:	395	PA&ED:	40	PA&ED:	2/3/2017
								Const:	1,574	PS&E:	283	RW Cert:	12/14/2018
										RW:	203	RTL:	1/15/2019
										Con:	351	Begin Con:	7/25/2019
								Subtotal:	1,969		877		
				Performance Measure				**Total (Capital + Support):**	**$2,846**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
ROADWAY PRESERVATION										
1	35.1/35.4	In Santa Monica, at McClure Tunnel Bridge No. 53-0008. Enhance safety lighting inside tunnel.	4903	31690	0715000227	201.170	2018/19	RW: 15 Const: 4,280 Subtotal: 4,295	PA&ED: 150 PS&E: 592 RW: 50 Con: 703 1,495	PA&ED: 4/21/2017 RW Cert: 10/2/2019 RTL: 3/13/2019 Begin Con: 4/19/2021
				Performance Measure 1 Lighting Fixtures				**Total (Capital + Support):** **$5,790**		
1	37.7/62.8	In the cities of Los Angeles and Malibu, from south of Tenescal Canyon Road to Ventura County line; also in Ventura County, from Los Angeles County line to Tonga Street (PM 0.0/0.9). Rehabilitate culverts.	4846	31350	0715000090	201.151	2018/19	RW: 182 Const: 4,384 Subtotal: 4,566	PA&ED: 648 PS&E: 608 RW: 70 Con: 685 2,011	PA&ED: 3/2/2017 RW Cert: 12/20/2018 RTL: 3/6/2019 Begin Con: 8/22/2019
				Performance Measure 20 Drainage System(s)				**Total (Capital + Support):** **$6,577**		
5	11.0/13.9	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. (G13 Contingency Project)	4910	31750	0715000246	201.151	2018/19	RW: 0 Const: 0 Subtotal: 0	PA&ED: 150 PS&E: 650 RW: 30 Con: 0 830	PA&ED: 3/30/2017 RW Cert: 12/31/2018 RTL: 1/30/2019 Begin Con: 8/14/2019
				Performance Measure 9 Drainage System(s)				**Total (Capital + Support):** **$830**		

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
5	19.2/28.9	In the cities of Los Angeles, Glendale and Burbank, from Main street to south of Verdugo Avenue. Pavement rehabilitation.	4775	30800	0714000224	201.121	2016/17	RW:	10	PA&ED:	0	PA&ED:	6/13/2014
								Const:	2,100	PS&E:	1,300	RW Cert:	9/16/2016
										RW:	34	RTL:	10/14/2016
										Con:	900	Begin Con:	4/12/2017
								Subtotal:	2,110		2,234		
				Performance Measure				**Total (Capital + Support):**	**$4,344**				
				.2 Lane Miles									
5	28.9/29.4	In Burbank, from Verdugo Avenue to Magnolia Boulevard. Rehabilitate pavement.	4702	30130	0714000019	201.122	2017/18	RW:	10	PA&ED:	170	PA&ED:	6/22/2014
								Const:	14,890	PS&E:	1,300	RW Cert:	8/3/2017
										RW:	230	RTL:	9/15/2017
										Con:	1,900	Begin Con:	4/23/2018
								Subtotal:	14,900		3,600		
				Performance Measure				**Total (Capital + Support):**	**$18,500**				
				4 Lane Miles									
5	39.2/R43.8	In San Fernando, from Route 118 to Route 210. Rehabilitate roadway.	4693	30970	0714000300	201.122	2019/20	RW:	120	PA&ED:	350	PA&ED:	1/18/2017
								Const:	41,600	PS&E:	5,000	RW Cert:	7/18/2019
										RW:	150	RTL:	8/15/2019
										Con:	6,000	Begin Con:	1/10/2020
								Subtotal:	41,720		11,500		
				Performance Measure				**Total (Capital + Support):**	**$53,220**				
				46.5 Lane Miles									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
5	R45.4/R59.0	In and near Santa Clarita, from Route 14 to Parker Road. Rehabilitate pavement.	3725B	25262	0700021272	201.120	2016/17	RW:	0	PA&ED:	0	PA&ED:	9/15/2011
								Const:	78,200	PS&E:	6,410	RW Cert:	7/8/2016
										RW:	20	RTL:	7/15/2016
										Con:	9,138	Begin Con:	12/16/2016
								Subtotal:	78,200		15,568		
				Performance Measure				**Total (Capital + Support):**	**$93,768**				
				109 Lane Miles									
5	R70.4	Near Pyramid Lake, 4.4 miles north of Templin Highway. Remove and replace two sections of damaged reinforced concrete pipe. (G13 Contingency Project)	4847	31360	0715000092	201.151	2018/19	RW:	0	PA&ED:	180	PA&ED:	3/15/2017
								Const:	0	PS&E:	350	RW Cert:	7/31/2018
										RW:	20	RTL:	9/10/2018
										Con:	0	Begin Con:	3/25/2019
								Subtotal:	0		550		
				Performance Measure				**Total (Capital + Support):**	**$550**				
				2 Drainage System(s)									
10	2.1/18.4	In the cities of Santa Monica and Los Angeles, from Route 1 to Route 5/101 interchange; also on Route 1 from McClure Tunnel to Lincoln Boulevard. Rehabilitate pavement. (G13 Contingency Project)	4700	30150	0714000020	201.121	2017/18	RW:	0	PA&ED:	74	PA&ED:	12/23/2015
								Const:	0	PS&E:	2,387	RW Cert:	9/28/2017
										RW:	126	RTL:	10/30/2017
										Con:	0	Begin Con:	1/29/2018
								Subtotal:	0		2,587		
				Performance Measure				**Total (Capital + Support):**	**$2,587**				
				64 Lane Miles									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
10	31.2/37.2	In Baldwin Park and West Covina, from Route 605 to Citrus Avenue. Rehabilitate roadway.	4712	30390	0714000044	201.120	2019/20	RW:	147	PA&ED:	990	PA&ED:	1/9/2018
								Const:	60,496	PS&E:	4,670	RW Cert:	8/30/2019
										RW:	23	RTL:	11/19/2019
										Con:	8,444	Begin Con:	5/7/2020
								Subtotal:	60,643		14,127		
				Performance Measure				**Total (Capital + Support):**	**$74,770**				
				36 Lane Miles									
57	R0.0/R4.5	In and near Diamond Bar, from the Orange County line to Route 60. Pavement rehabilitation. (G13 Contingency Project)	4718	30450	0714000067	201.121	2018/19	RW:	90	PA&ED:	50	PA&ED:	12/15/2016
								Const:	0	PS&E:	1,800	RW Cert:	11/1/2018
										RW:	10	RTL:	1/15/2019
										Con:	0	Begin Con:	9/3/2019
								Subtotal:	90		1,860		
				Performance Measure				**Total (Capital + Support):**	**$1,950**				
				44.5 Lane Miles									
60	0.0/R30.5	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.	4906	31730	0715000237	201.170	2019/20	RW:	15	PA&ED:	250	PA&ED:	8/24/2018
								Const:	2,665	PS&E:	580	RW Cert:	11/1/2019
										RW:	5	RTL:	11/27/2019
										Con:	485	Begin Con:	8/24/2020
								Subtotal:	2,680		1,320		
				Performance Measure				**Total (Capital + Support):**	**$4,000**				
				96 Lighting Fixtures									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
60	R3.2/11.8	In and near Monterey Park, Montebello, Rosemead, and South El Monte, from Route 710 to Route 605. Rehabilitate pavement. (G13 Contingency Project)	4699	30110	0714000009	201.122	2017/18	RW:	165	PA&ED:	75	PA&ED:	8/31/2015
								Const:	0	PS&E:	5,105	RW Cert:	3/30/2017
										RW:	20	RTL:	5/2/2017
										Con:	0	Begin Con:	11/15/2017
								Subtotal:	165		5,200		
				Performance Measure			**Total (Capital + Support):**		**$5,365**				
				44 Lane Miles									
101	1.8/8.4	In the city of Los Angeles, near Hollywood, from Route 110 to north of Pilgrimage Overcrossing. Pavement rehabilitation.	4774	30790	0714000223	201.121	2016/17	RW:	29	PA&ED:	153	PA&ED:	12/23/2015
								Const:	2,073	PS&E:	280	RW Cert:	1/12/2017
										RW:	20	RTL:	3/15/2017
										Con:	330	Begin Con:	8/3/2017
								Subtotal:	2,102		783		
				Performance Measure			**Total (Capital + Support):**		**$2,885**				
				.5 Lane Miles									
101	11.8/35.3	In the cities of Los Angeles, Calabasas and Agoura Hills, from Route 170 to Kanan Road. Rehabilitate pavement, construct and upgrade ADA curb ramps.	4770	30750	0714000217	201.121	2019/20	RW:	2,389	PA&ED:	370	PA&ED:	11/23/2016
								Const:	9,995	PS&E:	2,224	RW Cert:	12/19/2019
										RW:	124	RTL:	3/19/2020
										Con:	1,607	Begin Con:	8/20/2020
								Subtotal:	12,384		4,325		
				Performance Measure			**Total (Capital + Support):**		**$16,709**				
				17 Lane Miles									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	S0.0/1.9	In the city of Los Angeles, from Route 5 to Route 110. Rehabilitate pavement.	4680	30080	0713000489	201.121	2016/17	RW:	0	PA&ED:	88	PA&ED:	12/23/2015
								Const:	12,840	PS&E:	1,346	RW Cert:	2/23/2017
										RW:	71	RTL:	3/23/2017
										Con:	1,503	Begin Con:	9/21/2017
								Subtotal:	12,840		3,008		
				Performance Measure				**Total (Capital + Support):**	**$15,848**				
				29 Lane Miles									
107	0.0/4.8	In Torrance, from Route 1 to Redondo Beach Boulevard. Pavement rehabilitation.	4818	31180	0715000014	201.121	2018/19	RW:	0	PA&ED:	137	PA&ED:	1/13/2017
								Const:	0	PS&E:	1,289	RW Cert:	8/20/2018
		(G13 Contingency Project)								RW:	100	RTL:	10/1/2018
										Con:	0	Begin Con:	2/4/2019
								Subtotal:	0		1,526		
				Performance Measure				**Total (Capital + Support):**	**$1,526**				
				36.2 Lane Miles									
110	11	Near Gardena, south of Redondo Beach Boulevard. Replace culvert.	4849	31380	0715000095	201.151	2018/19	RW:	0	PA&ED:	110	PA&ED:	1/25/2017
								Const:	2,530	PS&E:	375	RW Cert:	2/28/2019
										RW:	20	RTL:	4/18/2019
										Con:	375	Begin Con:	2/3/2021
								Subtotal:	2,530		880		
				Performance Measure				**Total (Capital + Support):**	**$3,410**				
				1 Drainage System(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
110	R0.8/24.1	In and near the cities of Los Angeles and Carson, from Gaffey Street to College Street. Extend service life of existing pavement and install concrete barrier and metal beam guardrail.	4681	3009U	0714000238	201.121	2016/17	RW:	20	PA&ED:	550	PA&ED:	2/26/2016
								Const:	33,823	PS&E:	2,050	RW Cert:	2/15/2017
										RW:	150	RTL:	3/30/2017
										Con:	3,000	Begin Con:	9/21/2017
								Subtotal:	33,843		5,750		
				Performance Measure				**Total (Capital + Support):**	**$39,593**				
				192 Lane Miles									
134	0.0/R13.3	In the cities of Los Angeles, Burbank, Glendale and Pasadena, from Route 170 to Route 210. Rehabilitate pavement, upgrade guardrail and ADA curb ramps to current standards.	4817	31170	0715000013	201.121	2018/19	RW:	376	PA&ED:	350	PA&ED:	12/15/2016
								Const:	34,034	PS&E:	3,500	RW Cert:	6/8/2018
										RW:	250	RTL:	8/20/2018
										Con:	3,500	Begin Con:	3/25/2019
								Subtotal:	34,410		7,600		
				Performance Measure				**Total (Capital + Support):**	**$42,010**				
				112 Lane Miles									
134	R6.3/R8.2	In Glendale, from east of Concord Street Overcrossing to west of Chevy Chase Drive Undercrossing at three locations. Restore culvert systems. (G13 Contingency Project)	4848	31370	0715000093	201.151	2018/19	RW:	0	PA&ED:	200	PA&ED:	6/30/2017
								Const:	0	PS&E:	400	RW Cert:	7/31/2018
										RW:	50	RTL:	9/10/2018
										Con:	0	Begin Con:	3/25/2019
								Subtotal:	0		650		
				Performance Measure				**Total (Capital + Support):**	**$650**				
				3 Drainage System(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
138	0.0/36.9	Near Gorman and Lancaster, from Route 5 to Route 14. Rehabilitate pavement.	4804	31040	0715000001	201.121	2018/19	RW:	128	PA&ED:	510	PA&ED:	11/1/2016
								Const:	21,879	PS&E:	1,810	RW Cert:	11/26/2018
										RW:	22	RTL:	1/14/2019
										Con:	2,115	Begin Con:	7/8/2019
								Subtotal:	22,007		4,457		
				Performance Measure			**Total (Capital + Support):**		**$26,464**				
				73.8 Lane Miles									
138	46.7/50.0	In Palmdale, from 30th Street E. to E. Avenue S. Pavement rehabilitation.	4769	30740	0714000219	201.121	2017/18	RW:	100	PA&ED:	45	PA&ED:	10/21/2015
								Const:	9,608	PS&E:	828	RW Cert:	7/6/2017
										RW:	50	RTL:	8/1/2017
										Con:	1,458	Begin Con:	2/7/2018
								Subtotal:	9,708		2,381		
				Performance Measure			**Total (Capital + Support):**		**$12,089**				
				16 Lane Miles									
187	3.5/8.9	In the cities of Los Angeles and Culver City, on Venice Boulevard from Lincoln Boulevard (Route 1) to Cadillac Avenue. Rehabilitate pavement.	4691	30300	0713000493	201.121	2017/18	RW:	10	PA&ED:	100	PA&ED:	7/30/2013
								Const:	10,500	PS&E:	700	RW Cert:	1/12/2018
										RW:	30	RTL:	3/1/2018
										Con:	1,200	Begin Con:	6/11/2018
								Subtotal:	10,510		2,030		
				Performance Measure			**Total (Capital + Support):**		**$12,540**				
				32 Lane Miles									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
210	R0.0/R9.7	In the city of Los Angeles, from Route 5 to North Wheatland Avenue. Rehabilitate roadway.	4801	30960	0714000299	201.122	2018/19	RW:	358	PA&ED:	500	PA&ED:	3/1/2017
								Const:	104,084	PS&E:	6,000	RW Cert:	9/27/2018
										RW:	500	RTL:	10/25/2018
										Con:	14,000	Begin Con:	4/25/2019
								Subtotal:	104,442		21,000		
				Performance Measure				**Total (Capital + Support):**	**$125,442**				
				35 Lane Miles									
213	2.7/3.9	In Rancho Palos Verdes, from Caddington Drive to Peninsula Verde Drive. Replace two damaged drainage systems. (G13 Contingency Project)	3734	25310	0700000457	201.151	2018/19	RW:	260	PA&ED:	30	PA&ED:	4/3/2017
								Const:	0	PS&E:	284	RW Cert:	9/28/2018
										RW:	128	RTL:	11/6/2018
										Con:	0	Begin Con:	5/17/2019
								Subtotal:	260		442		
				Performance Measure				**Total (Capital + Support):**	**$702**				
				2 Drainage System(s)									
405	28.0/39.0	In the city of Los Angeles, near Westwood and Sherman Oaks, from Venice Boulevard to Route 101. Pavement rehabilitation.	4773	30780	0714000222	201.121	2016/17	RW:	25	PA&ED:	124	PA&ED:	12/23/2015
								Const:	1,687	PS&E:	312	RW Cert:	1/12/2017
										RW:	25	RTL:	3/15/2017
										Con:	312	Begin Con:	8/3/2017
								Subtotal:	1,712		773		
				Performance Measure				**Total (Capital + Support):**	**$2,485**				
				.3 Lane Miles									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
605	R15.5/R19.5	In and near Pico Rivera and Industry, from Rose Hills Road to Valley Boulevard. Pavement rehabilitation.	4772	30770	0714000221	201.121	2016/17	RW:	163	PA&ED:	30	PA&ED:	5/5/2015
								Const:	1,227	PS&E:	164	RW Cert:	11/17/2016
										RW:	50	RTL:	12/14/2016
										Con:	221	Begin Con:	6/26/2017
								Subtotal:	1,390		465		
				Performance Measure				**Total (Capital + Support):**	**$1,855**				
				.3 Lane Miles									
710	23.6/26.3	In the cities of Los Angeles and Monterey Park, from Olympic Boulevard to Ramona Boulevard. Rehabilitate culverts.	4845	31340	0715000089	201.151	2018/19	RW:	50	PA&ED:	100	PA&ED:	5/1/2017
								Const:	1,207	PS&E:	155	RW Cert:	1/11/2019
										RW:	47	RTL:	3/29/2019
										Con:	205	Begin Con:	9/30/2019
								Subtotal:	1,257		507		
				Performance Measure				**Total (Capital + Support):**	**$1,764**				
				10 Drainage System(s)									
MOBILITY													
2	R18.6	Near Glendale; also in various cities, on various routes, at various locations. Upgrade the existing communication system to all fiber optic communications.	4719	30460	0714000073	201.315	2016/17	RW:	10	PA&ED:	81	PA&ED:	3/24/2016
								Const:	0	PS&E:	1,028	RW Cert:	12/22/2016
										RW:	2	RTL:	2/23/2017
										Con:	0	Begin Con:	8/2/2019
		(G13 Contingency Project)						Subtotal:	10		1,111		
				Performance Measure				**Total (Capital + Support):**	**$1,121**				
				94 Field Elements									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
110	0.7/25.7	In the cities of San Pedro, Carson, Gardena and Los Angeles, from Gaffey Street To Route 5; also on Route 2 at the 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 TMS.	4830	31200	0715000051	201.315	2018/19	RW:	702	PA&ED:	20	PA&ED:	7/12/2017
								Const:	29,000	PS&E:	3,720	RW Cert:	7/13/2018
										RW:	105	RTL:	8/31/2018
										Con:	5,000	Begin Con:	3/11/2019
								Subtotal:	29,702		8,845		
				Performance Measure				**Total (Capital + Support):**	**$38,547**				
				219 Field Elements									
110	8.0/9.0	In Carson from south of W Del Amo Boulevard to south of W 190th Street; also in Carson on route 405, from north of E Del Amo Boulevard to south of W 190th Street (PM 12.2/13.2). Through traffic re-configurations.	4552	29370	0713000239	201.310	2016/17	RW:	1,000	PA&ED:	0	PA&ED:	7/30/2015
								Const:	0	PS&E:	4,946	RW Cert:	3/2/2017
										RW:	180	RTL:	3/20/2017
										Con:	0	Begin Con:	6/23/2017
								Subtotal:	1,000		5,126		
		(G13 Contingency Project)		**Performance Measure**				**Total (Capital + Support):**	**$6,126**				
				1.4 1000 Vehicle									
405	11.7/12.2	In Carson, from Avalon Boulevard to Main Street. Reconstruct commercial vehicle enforcement facility.	4457	28910	0700021123	201.321	2016/17	RW:	10	PA&ED:	210	PA&ED:	6/30/2015
								Const:	4,872	PS&E:	1,100	RW Cert:	9/23/2016
										RW:	5	RTL:	3/24/2017
										Con:	600	Begin Con:	11/10/2017
								Subtotal:	4,882		1,915		
				Performance Measure				**Total (Capital + Support):**	**$6,797**				
				50 Location(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
405	42.9	In Van Nuys, near Saticoy Street. Replace and install Weight In Motion system.	4724	30510	0714000097	201.321	2018/19	RW:	0	PA&ED:	197	PA&ED:	8/1/2017
								Const:	2,195	PS&E:	900	RW Cert:	8/6/2018
										RW:	5	RTL:	10/1/2018
										Con:	675	Begin Con:	4/11/2019
								Subtotal:	2,195		1,777		
				Performance Measure				**Total (Capital + Support):**	**$3,972**				
				1 Location(s)									
605	R 0.0/26.0	In various cities, from Orange County line to Route 210; also on Route 2 at the TMC (PM R18.7) and Route 5 (PM 6.8). Upgrade Transportation Management System.	4819	31190	0715000016	201.315	2018/19	RW:	0	PA&ED:	20	PA&ED:	5/15/2017
								Const:	10,562	PS&E:	1,290	RW Cert:	4/18/2019
										RW:	2	RTL:	5/10/2019
										Con:	1,738	Begin Con:	5/11/2021
								Subtotal:	10,562		3,050		
				Performance Measure				**Total (Capital + Support):**	**$13,612**				
				115 Field Elements									
FACILITIES													
5	1.7	In Santa Fe Springs at 14044 Freeway Drive adjacent to I-5 between Valley View Ave and Alondra Boulevard. Construct Southern Region Equipment Repair Shop to serve District 7 and 12	5031	32570	0716000089	201.351	2017/18	RW:	0	PA&ED:	230	PA&ED:	9/1/2016
								Const:	23,400	PS&E:	4,600	RW Cert:	10/12/2017
										RW:	230	RTL:	12/15/2017
										Con:	2,940	Begin Con:	12/18/2017
								Subtotal:	23,400		8,000		
				Performance Measure				**Total (Capital + Support):**	**$31,400**				
				1 Structure(s)									

Proposed

2016 SHOPP Project List
Los Angeles
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 16,800	PA&ED: 28,730	
								Const: 940,651	PS&E: 141,513	
									RW: 7,689	
									Con: 138,575	
								Subtotal: 957,451	316,507	

Los Angeles County Total (Capital + Support): $1,273,958

Proposed

2016 SHOPP Project List
Madera
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
99	10.0/26.8	In the cities of Madera and Chowchilla, from Route 145 to East Robertson Boulevard at various locations. Roadside maintenance safety improvements.	6675	0Q610	0613000149	201.235	2016/17	RW:	1	PA&ED:	153	PA&ED:	3/17/2015
								Const:	2,000	PS&E:	266	RW Cert:	12/1/2016
										RW:	13	RTL:	12/15/2016
										Con:	274	Begin Con:	7/1/2017
								Subtotal:	2,001		706		
				Performance Measure			**Total (Capital + Support):**		**$2,707**				
				32 Location(s)									
ROADWAY PRESERVATION													
41	36.3/40.8	In and near Oakhurst, from north of Road 426 to north of Allen Road. Rehabilitate pavement.	6716	0R160	0614000043	201.121	2017/18	RW:	37	PA&ED:	397	PA&ED:	8/1/2016
								Const:	3,396	PS&E:	703	RW Cert:	1/5/2018
										RW:	192	RTL:	2/16/2018
										Con:	698	Begin Con:	8/15/2018
								Subtotal:	3,433		1,990		
				Performance Measure			**Total (Capital + Support):**		**$5,423**				
				7 Lane Miles									
41	6.3/9.2	Near Fresno, from north of Avenue 15 to south of Route 145. Roadway rehabilitation. Additional $22,000 from Local/Private Contribution.	6708	0R210	0614000058	201.120	2019/20	RW:	0	PA&ED:	2,463	PA&ED:	9/1/2019
								Const:	10,000	PS&E:	0	RW Cert:	2/1/2020
										RW:	0	RTL:	3/1/2020
										Con:	0	Begin Con:	10/1/2020
								Subtotal:	10,000		2,463		
				Performance Measure			**Total (Capital + Support):**		**$12,463**				
				5.8 Lane miles									

Proposed

2016 SHOPP Project List
Madera
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
99	22.6/29.3	In and near Chowchilla, from Route 152 to the Merced County line. Roadway rehabilitation. (G13 Contingency Project)	6732	0T210	0615000037	201.122	2018/19	RW:	30	PA&ED:	499	PA&ED:	3/1/2017
								Const:	0	PS&E:	1,885	RW Cert:	12/1/2017
										RW:	30	RTL:	7/1/2018
										Con:	0	Begin Con:	3/1/2019
								Subtotal:	30		2,414		
				Performance Measure				**Total (Capital + Support):**	**$2,444**				
				26 Lane Miles									

ROADSIDE PRESERVATION

VAR		In various counties and on various routes. Establish mitigation bank for future Caltrans projects in Districts 6 and 10 to protect the California Tiger Salamander.	6750	0U020	0615000176	201.240	2018/19	RW:	0	PA&ED:	5	PA&ED:	5/8/2018
								Const:	1,800	PS&E:	130	RW Cert:	12/03/2018
										RW:	5	RTL:	01/02/2019
										Con:	60	Begin Con:	09/01/2020
								Subtotal:	1,800		200		
				Performance Measure				**Total (Capital + Support):**	**$2,000**				
				5 Location(s)									

RW:	68	PA&ED:	3,517
Const:	17,196	PS&E:	2,984
		RW:	240
		Con:	1,032
Subtotal:	17,264		7,773

Madera County Total (Capital + Support): $25,037

Proposed

2016 SHOPP Project List
Marin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MAJOR DAMAGE RESTORATION										
1	2.2	Near Mill Valley, at 0.2 mile north of Loring Avenue. Provide drainage system and install rock slope protection.	0312T	1SS58	0412000635	201.131	2016/17	RW: 55 Const: 1,639	PA&ED: 400 PS&E: 400 RW: 50 Con: 350	PA&ED: 6/29/2015 RW Cert: 9/8/2016 RTL: 9/15/2016 Begin Con: 3/22/2017
				Performance Measure 1 Location(s)				Subtotal: 1,694 **Total (Capital + Support): $2,894**	1,200	
1	24.7	Near Olema, 1.8 miles south of Olema. Replace culvert with a bridge.	0315D	4S780	0400020145	201.131	2017/18	RW: 90 Const: 2,650	PA&ED: 400 PS&E: 2,400 RW: 100 Con: 700	PA&ED: 7/5/2011 RW Cert: 12/20/2017 RTL: 12/21/2017 Begin Con: 7/7/2018
				Performance Measure 2 Location(s)				Subtotal: 2,740 **Total (Capital + Support): $6,340**	3,600	
1	.3	Near Mill Valley, at Tennessee Valley Road. Repair roadway slip-out.	1485J	2J560	0414000529	201.131	2017/18	RW: 5 Const: 1,211	PA&ED: 420 PS&E: 525 RW: 18 Con: 357	PA&ED: 6/30/2017 RW Cert: 5/30/2018 RTL: 6/15/2018 Begin Con: 11/30/2018
				Performance Measure 1 Location(s)				Subtotal: 1,216 **Total (Capital + Support): $2,536**	1,320	

Proposed

2016 SHOPP Project List
Marin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
1	6.6	Near Muir Beach, 0.3 mile north of Seacape Drive. Construct tie-back wall. (G13 Contingency Project)	0713F	3S900	0400001043	201.131	2016/17	RW:	285	PA&ED:	0	PA&ED:	2/12/2014
								Const:	0	PS&E:	3,500	RW Cert:	6/15/2017
										RW:	434	RTL:	6/23/2017
										Con:	0	Begin Con:	12/16/2016
								Subtotal:	285		3,934		
				Performance Measure 1.00 Location(s)			**Total (Capital + Support):**		**$4,219**				
1	7.7/7.8	Near Muir Beach, 0.2 mile north of Cold Stream Fire Road. Construct tie-back wall. (G13 Contingency Project)	0713G	3S910	0400001044	201.131	2016/17	RW:	157	PA&ED:	168	PA&ED:	12/13/2013
								Const:	0	PS&E:	2,700	RW Cert:	6/15/2017
										RW:	284	RTL:	6/23/2017
										Con:	0	Begin Con:	12/18/2017
								Subtotal:	157		3,152		
				Performance Measure 1.00 Location(s)			**Total (Capital + Support):**		**$3,309**				
1	8.1	Near Muir Beach, at Cold Stream Road. Construct retaining wall. (G13 Contingency Project)	0308J	4S660	0400001256	201.131	2016/17	RW:	100	PA&ED:	1,311	PA&ED:	9/17/2015
								Const:	0	PS&E:	600	RW Cert:	12/2/2016
										RW:	128	RTL:	12/16/2016
										Con:	0	Begin Con:	7/17/2017
								Subtotal:	100		2,039		
				Performance Measure 1.0 Location(s)			**Total (Capital + Support):**		**$2,139**				

Proposed

2016 SHOPP Project List
Marin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	10.1	In San Rafael, at the Route 101/580 interchange. Repair sinking pavement and drainage systems.	1487B	2J480	0414000521	201.131	2016/17	RW:	10	PA&ED:	300	PA&ED:	5/1/2016
								Const:	2,661	PS&E:	456	RW Cert:	3/1/2017
										RW:	53	RTL:	4/1/2017
										Con:	432	Begin Con:	9/4/2017
								Subtotal:	2,671		1,241		
				Performance Measure				**Total (Capital + Support):**	**$3,912**				
				3 Location(s)									
580	2.7	Near Mill Valley, at 0.6 mile south of Panoramic Highway. Re-grade slope and repair down drain.	0327Q	1SS59	0412000636	201.131	2016/17	RW:	90	PA&ED:	250	PA&ED:	6/20/2014
								Const:	896	PS&E:	427	RW Cert:	11/9/2015
										RW:	126	RTL:	12/3/2015
										Con:	243	Begin Con:	11/30/2016
								Subtotal:	986		1,046		
				Performance Measure				**Total (Capital + Support):**	**$2,032**				
				1 Location(s)									
COLLISION REDUCTION													
1	3.1/50.5	In Marin County, near Tamalpais-Homestead Valley, from 0.2 mile west of Erica Road to Valley Ford Road; also in Napa County, on Route 29, from PM 48.0 to PM 48.6. Install centerline rumble strips.	0487P	4H870	0413000295	201.010	2016/17	RW:	5	PA&ED:	1,000	PA&ED:	4/23/2016
								Const:	5,061	PS&E:	1,000	RW Cert:	3/1/2017
										RW:	50	RTL:	5/8/2017
										Con:	1,300	Begin Con:	10/15/2017
								Subtotal:	5,066		3,350		
				Performance Measure				**Total (Capital + Support):**	**$8,416**				
				83 Collisions Reduced									

Proposed

2016 SHOPP Project List
Marin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	4.7/5.6	Near Mill Valley, from Redwood Highway Frontage Road to Route 131 (Tiburon Boulevard). Install concrete barrier.	0820K	4H980	0413000351	201.010	2017/18	RW:	30	PA&ED:	1,198	PA&ED:	4/15/2017
								Const:	5,514	PS&E:	1,392	RW Cert:	5/15/2018
										RW:	155	RTL:	6/15/2018
										Con:	1,120	Begin Con:	6/15/2018
								Subtotal:	5,544		3,865		
				Performance Measure				**Total (Capital + Support):**	**$9,409**				
				8.5 Collisions Reduced									
MANDATES													
1	0.0/0.8	In Almonte, near Route 101 off-ramp to Route 1; also from Coyote Creek to Flamingo Road. Upgrade pedestrian facilities.	0434H	2G690	0400021211	201.378	2017/18	RW:	700	PA&ED:	510	PA&ED:	12/31/2016
								Const:	1,976	PS&E:	500	RW Cert:	5/30/2018
										RW:	300	RTL:	6/15/2018
										Con:	590	Begin Con:	11/30/2018
								Subtotal:	2,676		1,900		
				Performance Measure				**Total (Capital + Support):**	**$4,576**				
				28 Structure(s)									
101	0.0/4.0	In Sausalito, Corte Madera, Larkspur, and Tiburon, on Routes 101 and 131 at various locations. Upgrade curb ramps, driveways and sidewalks.	2119Q	3G210	0412000027	201.361	2016/17	RW:	351	PA&ED:	450	PA&ED:	1/25/2016
								Const:	1,682	PS&E:	360	RW Cert:	6/14/2017
										RW:	126	RTL:	6/15/2017
										Con:	270	Begin Con:	12/5/2017
								Subtotal:	2,033		1,206		
				Performance Measure				**Total (Capital + Support):**	**$3,239**				
				43 Curb Ramps									

Proposed

2016 SHOPP Project List
Marin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
BRIDGE PRESERVATION													
1	28.5	Near Point Reyes Station, at Lagunitas Creek Bridge No. 27-0023. Replace bridge. (G13 Contingency Project)	0756K	0G642	0413000350	201.113	2018/19	RW:	2,691	PA&ED:	2,300	PA&ED:	8/15/2017
								Const:	0	PS&E:	1,400	RW Cert:	4/1/2019
										RW:	685	RTL:	4/15/2019
										Con:	0	Begin Con:	4/15/2019
								Subtotal:	2,691		4,385		
				Performance Measure			**Total (Capital + Support):**		**$7,076**				
				3 Bridge(s)									
1	33.4	Near Point Reyes Station, at Millerton Gulch Bridge No. 27-0114. Repair damaged embankment and construct retaining wall.	0480C	0J570	0414000014	201.119	2017/18	RW:	450	PA&ED:	1,620	PA&ED:	12/1/2017
								Const:	4,020	PS&E:	1,080	RW Cert:	8/1/2019
										RW:	180	RTL:	8/2/2019
										Con:	830	Begin Con:	2/4/2020
								Subtotal:	4,470		3,710		
				Performance Measure			**Total (Capital + Support):**		**$8,180**				
				1 Bridge(s)									
101	10.6/10.9	In San Rafael, from Route 101 northbound off-ramp to 2nd Street at San Rafael Harbor Bridge No. 27-0033. Replace bridge.	0350H	4G820	0413000049	201.110	2017/18	RW:	570	PA&ED:	630	PA&ED:	12/31/2016
								Const:	7,264	PS&E:	600	RW Cert:	3/15/2018
										RW:	300	RTL:	3/31/2018
										Con:	900	Begin Con:	7/24/2018
								Subtotal:	7,834		2,430		
				Performance Measure			**Total (Capital + Support):**		**$10,264**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Marin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
ROADWAY PRESERVATION													
1	22.8/31.2	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.	1480A	1J960	0414000403	201.121	2019/20	RW:	517	PA&ED:	1,320	PA&ED:	10/1/2018
								Const:	13,783	PS&E:	1,254	RW Cert:	12/2/2019
										RW:	66	RTL:	1/2/2020
										Con:	1,540	Begin Con:	7/9/2020
								Subtotal:	14,300		4,180		
				Performance Measure			**Total (Capital + Support):**		**$18,480**				
				27.80 Lane Miles									
								RW:	6,106	PA&ED:	12,277		
								Const:	48,357	PS&E:	18,594		
										RW:	3,055		
										Con:	8,632		
								Subtotal:	54,463		42,558		

Marin County Total (Capital + Support): $97,021

Proposed

2016 SHOPP Project List
Mariposa
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
140	21.2/21.8	In the community of Mariposa, from Route 49 to 12th Street. Improve pedestrian access facilities to reduce collision severity.	3131	0Y600	1013000244	201.015	2019/20	RW: 159 Const: 1,550	PA&ED: 183 PS&E: 291 RW: 77 Con: 308	PA&ED: 3/15/2017 RW Cert: 8/16/2019 RTL: 9/19/2019 Begin Con: 3/18/2020
				Performance Measure 10 Collisions Reduced				Subtotal: 1,709 **Total (Capital + Support): $2,568**	859	
ROADWAY PRESERVATION										
41	2.0/4.9	Near Fish Camp, from south of Summit Road to south of Yosemite National Park boundary. Rehabilitate culverts.	3158	1E770	1015000113	201.151	2018/19	RW: 16 Const: 1,893	PA&ED: 435 PS&E: 763 RW: 84 Con: 667	PA&ED: 10/2/2017 RW Cert: 12/3/2018 RTL: 2/15/2019 Begin Con: 7/15/2019
				Performance Measure 17 Drainage System(s)				Subtotal: 1,909 **Total (Capital + Support): $3,858**	1,949	
140	22.1/25.3	Near Mariposa, from the north Junction of Route 140 and 49 to Whitlock Road. Rehabilitate pavement.	4736	0G340	1013000078	201.121	2017/18	RW: 13 Const: 3,126	PA&ED: 208 PS&E: 410 RW: 2 Con: 314	PA&ED: 4/1/2016 RW Cert: 12/1/2017 RTL: 2/1/2018 Begin Con: 8/22/2018
				Performance Measure 6.8 Lane Miles				Subtotal: 3,139 **Total (Capital + Support): $4,073**	934	

Proposed

2016 SHOPP Project List
Mariposa
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
							RW:	188	PA&ED: 826	
							Const:	6,569	PS&E: 1,464	
									RW: 163	
									Con: 1,289	
							Subtotal:	6,757	3,742	

Mariposa County Total (Capital + Support): $10,499

Proposed

2016 SHOPP Project List
Mendocino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
MAJOR DAMAGE RESTORATION													
1	75.7/76.2	Near Westport, from 0.5 to 1.0 mile north of Blue Slide Gulch Bridge. Reconstruct roadway.	4548	0B480	0114000034	201.131	2017/18	RW:	767	PA&ED:	923	PA&ED:	9/1/2016
								Const:	14,706	PS&E:	1,319	RW Cert:	11/1/2017
										RW:	69	RTL:	11/1/2017
										Con:	1,620	Begin Con:	3/2/2018
								Subtotal:	15,473		3,931		
				Performance Measure				**Total (Capital + Support):**	**$19,404**				
				1 Location(s)									
162	11.5/11.8	Near Dos Rios, from 1.4 to 1.7 miles east of Rodeo Creek Bridge. Construct soldier pile walls and drainage galleries.	4553	0B530	0114000035	201.131	2016/17	RW:	10	PA&ED:	1,300	PA&ED:	8/1/2017
								Const:	9,515	PS&E:	1,300	RW Cert:	11/15/2018
										RW:	10	RTL:	12/1/2018
										Con:	1,430	Begin Con:	6/1/2019
								Subtotal:	9,525		4,040		
				Performance Measure				**Total (Capital + Support):**	**$13,565**				
				1 Location(s)									
162	16.1	Near Dos Rios, at 0.9 mile east of Dos Rios Road. Stabilize roadway.	4555	0B550	0112000137	201.131	2016/17	RW:	150	PA&ED:	270	PA&ED:	10/16/2015
								Const:	5,120	PS&E:	1,485	RW Cert:	11/15/2016
										RW:	75	RTL:	12/1/2016
										Con:	1,400	Begin Con:	7/1/2017
								Subtotal:	5,270		3,230		
				Performance Measure				**Total (Capital + Support):**	**$8,500**				
				1 Location(s)									

Proposed

2016 SHOPP Project List
Mendocino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
253	1.5/1.8	Near Boonville, from 0.2 mile west to 0.1 mile east of Singly Cattle Pass. Repair slide.	4556	0B560	0112000138	201.131	2016/17	RW:	266	PA&ED:	59	PA&ED:	9/28/2015
								Const:	3,800	PS&E:	177	RW Cert:	8/1/2016
										RW:	56	RTL:	8/15/2016
										Con:	660	Begin Con:	5/15/2017
								Subtotal:	4,066		952		
				Performance Measure				**Total (Capital + Support):**	**$5,018**				
				1 Location(s)									
COLLISION REDUCTION													
20	R37.8/R38.4	Near Calpella, from 0.1 mile west of Cold Creek Bridge to 0.5 mile east of Potter Valley Road. Install safety improvements at the intersection.	4596	0E470	0114000072	201.010	2017/18	RW:	20	PA&ED:	645	PA&ED:	8/1/2017
								Const:	2,460	PS&E:	474	RW Cert:	2/1/2018
										RW:	43	RTL:	3/1/2018
										Con:	433	Begin Con:	9/1/2018
								Subtotal:	2,480		1,595		
				Performance Measure				**Total (Capital + Support):**	**$4,075**				
				20 Collisions Reduced									
101	58.9/82.5	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.	4574	0C450	0112000285	201.235	2019/20	RW:	3	PA&ED:	365	PA&ED:	10/1/2017
								Const:	6,322	PS&E:	2,260	RW Cert:	1/2/2020
										RW:	46	RTL:	1/15/2020
										Con:	1,232	Begin Con:	8/15/2020
								Subtotal:	6,325		3,903		
				Performance Measure				**Total (Capital + Support):**	**$10,228**				
				3 Location(s)									

Proposed

2016 SHOPP Project List
Mendocino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	R0.7/3.0	Near Hopland, from north of the Russian River Bridge and Overhead to south of Comminsky Station Road. Install median barrier.	4580	0C760	0113000050	201.010	2016/17	RW:	12	PA&ED:	674	PA&ED:	2/1/2016
								Const:	3,053	PS&E:	764	RW Cert:	10/15/2016
										RW:	89	RTL:	11/1/2016
										Con:	442	Begin Con:	6/1/2017
								Subtotal:	3,065		1,969		
				Performance Measure				**Total (Capital + Support):**	**$5,034**				
				7 Collisions Reduced									
MANDATES													
101	47.2/47.4	In Willits, at Sherwood Road. Upgrade pedestrian facilities.	4564	0B830	0112000188	201.378	2016/17	RW:	183	PA&ED:	351	PA&ED:	7/8/2015
								Const:	1,841	PS&E:	695	RW Cert:	11/1/2016
										RW:	112	RTL:	12/1/2016
										Con:	514	Begin Con:	4/1/2017
								Subtotal:	2,024		1,672		
				Performance Measure				**Total (Capital + Support):**	**$3,696**				
				10 Curb Ramps									
BRIDGE PRESERVATION													
1	31.4	Near Fort Bragg at Elk Creek Bridge No. 10 -0120. Replace and upgrade bridge rails.	4588	0E110	0113000125	201.112	2019/20	RW:	333	PA&ED:	1,363	PA&ED:	7/1/2018
								Const:	7,325	PS&E:	1,445	RW Cert:	9/1/2019
										RW:	191	RTL:	10/1/2019
										Con:	1,759	Begin Con:	5/1/2020
								Subtotal:	7,658		4,758		
				Performance Measure				**Total (Capital + Support):**	**$12,416**				
				321.5 Linear Feet									

Proposed

2016 SHOPP Project List
Mendocino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
1	42.4/43.3	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 Project)	4491	40140	0100000155	201.110	2017/18	RW:	4,638	PA&ED:	4,525	PA&ED:	2/1/2017
								Const:	0	PS&E:	5,593	RW Cert:	6/1/2018
										RW:	810	RTL:	6/15/2018
										Con:	0	Begin Con:	12/12/2018
								Subtotal:	4,638		10,928		
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**		**$15,566**				
1	43.3/44.2	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 Project)	4490	40110	0100000154	201.110	2017/18	RW:	5,101	PA&ED:	3,650	PA&ED:	2/1/2017
								Const:	0	PS&E:	5,220	RW Cert:	6/1/2018
										RW:	828	RTL:	6/15/2018
										Con:	0	Begin Con:	12/12/2018
								Subtotal:	5,101		9,698		
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**		**$14,799**				
1	48.0/62.1	In and near Fort Bragg at Little River Bridge No. 10-0178, at Jack Peters Bridge No. 10-0150, at Russian Gulch Bridge No. 10-0151, and at Pudding Creek Bridge No. 10-0158. Upgrade and replace barrier rails.	4507	43480	0100000672	201.112	2017/18	RW:	2,200	PA&ED:	1,790	PA&ED:	1/15/2017
								Const:	14,603	PS&E:	2,825	RW Cert:	3/1/2018
										RW:	341	RTL:	6/15/2018
										Con:	3,650	Begin Con:	12/12/2018
								Subtotal:	16,803		8,606		
				Performance Measure 4 Bridge(s)			**Total (Capital + Support):**		**$25,409**				

Proposed

2016 SHOPP Project List
Mendocino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
20	33.3/34.4	Near Ukiah, from east of Route 101 to east of Road 144 at Russian River Bridge and Overhead No. 10-0182. Rehabilitate bridge deck. (G13 Contingency Project)	4587	0E090	0113000123	201.110	2019/20	RW: 250 Const: 0	PA&ED: 2,087 PS&E: 3,129 RW: 260 Con: 0	PA&ED: 9/1/2018 RW Cert: 2/15/2020 RTL: 3/1/2020 Begin Con: 9/1/2020	
				Performance Measure 2 Bridge(s)				Subtotal: 250 **Total (Capital + Support):** **$5,726**		5,476			
271	17.7/18.0	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. Replace bridge.	4545	0A840	0113000058	201.110	2017/18	RW: 464 Const: 4,934	PA&ED: 644 PS&E: 973 RW: 162 Con: 1,696	PA&ED: 2/1/2017 RW Cert: 1/15/2018 RTL: 2/1/2018 Begin Con: 8/1/2018	
				Performance Measure 1 Bridge(s)				Subtotal: 5,398 **Total (Capital + Support):** **$8,873**		3,475			
VAR		On Route 101, in Willits; On Route 128, 34.1 miles west of Ukiah; also on Route 20, 8.5 miles east of Route 101/20 Junction. Scour mitigation.	4572	0C430	0112000293	201.111	2016/17	RW: 239 Const: 518	PA&ED: 299 PS&E: 462 RW: 146 Con: 446	PA&ED: 9/1/2016 RW Cert: 6/15/2017 RTL: 6/30/2017 Begin Con: 4/1/2018	
				Performance Measure 3 Bridge(s)				Subtotal: 757 **Total (Capital + Support):** **$2,110**		1,353			

Proposed

2016 SHOPP Project List
Mendocino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
VAR		In Mendocino County, at various routes and at various locations. Mitigate environmental impacts.	4589	0E240	0114000002	201.110	2017/18	RW:	0	PA&ED:	74	PA&ED:	3/6/2015
								Const:	5,500	PS&E:	63	RW Cert:	8/1/2017
										RW:	66	RTL:	8/1/2017
										Con:	73	Begin Con:	1/15/2018
								Subtotal:	5,500		276		
				Performance Measure				**Total (Capital + Support):**	**$5,776**				
				24 Bridge(s)									

ROADWAY PRESERVATION

1	42.3/42.5	Near Albion, at Navarro Ridge Road. Improve drainage, repair erosion, widen shoulders, and repair roadway.	4616	0E940	0115000048	201.150	2019/20	RW:	168	PA&ED:	415	PA&ED:	9/1/2018
								Const:	1,102	PS&E:	405	RW Cert:	2/1/2020
										RW:	67	RTL:	3/1/2020
										Con:	370	Begin Con:	8/1/2020
								Subtotal:	1,270		1,257		
				Performance Measure				**Total (Capital + Support):**	**$2,527**				
				1 Location(s)									
128	0.0/17.9	Near Navarro, from Route 1 to Mill Creek Bridge; also near Philo, from Indian Creek Bridge to Con Creek Arch Culvert (PM 23.3/R26.8). Pavement rehabilitation.	4598	41550	0114000107	201.121	2018/19	RW:	6	PA&ED:	807	PA&ED:	10/1/2017
								Const:	17,419	PS&E:	1,093	RW Cert:	9/15/2018
										RW:	21	RTL:	10/1/2018
										Con:	1,887	Begin Con:	5/1/2019
								Subtotal:	17,425		3,808		
				Performance Measure				**Total (Capital + Support):**	**$21,233**				
				43 Lane Miles									

Proposed

2016 SHOPP Project List
Mendocino
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 14,810	PA&ED: 20,241	
								Const: 98,218	PS&E: 29,682	
									RW: 3,392	
									Con: 17,612	
								Subtotal: 113,028	70,927	

Mendocino County Total (Capital + Support): $183,955

Proposed

2016 SHOPP Project List
Merced
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
5	0.4/0.9	Near Firebaugh, at the John "Chuck" Erreca Safety Roadside Rest Area (SRRA). Upgrade water and wastewater system.	3008	0W620	1012000020	201.235	2017/18	RW: 0 Const: 2,271	PA&ED: 121 PS&E: 589 RW: 0 Con: 827	PA&ED: 1/2/2016 RW Cert: 1/1/2018 RTL: 4/1/2018 Begin Con: 11/2/2018
				Performance Measure 1 Location(s)				Subtotal: 2,271 **Total (Capital + Support): $3,808**	1,537	
59	12.8/13.5	In the city of Merced, at Mission Avenue/Dickenson Ferry Road. Left turn channelization.	3005	0U520	1000020459	201.010	2016/17	RW: 818 Const: 1,500	PA&ED: 699 PS&E: 727 RW: 598 Con: 369	PA&ED: 6/27/2014 RW Cert: 12/1/2016 RTL: 12/16/2016 Begin Con: 6/1/2017
				Performance Measure 20 Collisions Reduced				Subtotal: 2,318 **Total (Capital + Support): $4,711**	2,393	
99		In Merced, San Joaquin, and Stanislaus, Counties, at various locations. Construct shoulder rumble strips and improve safety visibility by installing lighting.	3159	1C470	1015000112	201.010	2016/17	RW: 0 Const: 2,091	PA&ED: 186 PS&E: 250 RW: 0 Con: 400	PA&ED: 1/25/2016 RW Cert: 5/11/2016 RTL: 7/19/2016 Begin Con: 12/5/2016
				Performance Measure 393 Collisions Reduced				Subtotal: 2,091 **Total (Capital + Support): $2,927**	836	

Proposed

2016 SHOPP Project List
Merced
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
140	0.0/42.1	Near the city of Merced at various locations, from Route 5 to 6 miles east of the city of Merced. Upgrade metal beam guardrails	3018	0Y110	1013000108	201.015	2017/18	RW:	23	PA&ED:	819	PA&ED:	1/16/2017
								Const:	2,940	PS&E:	873	RW Cert:	11/1/2017
										RW:	280	RTL:	12/4/2017
										Con:	704	Begin Con:	7/16/2018
								Subtotal:	2,963		2,676		
				Performance Measure				**Total (Capital + Support):**	**$5,639**				
				138 Collisions Reduced									
152	R2.4/R6.0	Near Los Banos, from Vista Point Access Road to San Luis Dam Service Road. Construct median barrier.	3101	1C550	1014000208	201.010	2016/17	RW:	6	PA&ED:	312	PA&ED:	2/1/2016
								Const:	2,863	PS&E:	405	RW Cert:	7/11/2016
										RW:	20	RTL:	9/16/2016
										Con:	352	Begin Con:	2/2/2017
								Subtotal:	2,869		1,089		
				Performance Measure				**Total (Capital + Support):**	**$3,958**				
				36 Collisions Reduced									
MANDATES													
165	8.1/10.9	In Los Banos, from Berkeley Drive to St. Francis Drive at various locations; Also, on Route 152 from 7th Street to H Street (PM 20.6/21.1) at various locations. Upgrade ADA facilities.	3149	0X520	1013000002	201.361	2019/20	RW:	1,280	PA&ED:	347	PA&ED:	12/30/2016
								Const:	968	PS&E:	477	RW Cert:	10/14/2019
										RW:	164	RTL:	11/11/2019
										Con:	505	Begin Con:	5/11/2020
								Subtotal:	2,248		1,493		
				Performance Measure				**Total (Capital + Support):**	**$3,741**				
				131 Curb Ramps									

Proposed

2016 SHOPP Project List
Merced
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
BRIDGE PRESERVATION										
5	VAR	In Merced, San Joaquin, Mariposa and Stanislaus counties on various routes at various locations. Scour mitigation and preventative structural maintenance measures at 13 bridges.	3102	1C810	1015000038	201.119	2019/20	RW: 1,894 Const: 1,802 Subtotal: 3,696	PA&ED: 819 PS&E: 888 RW: 542 Con: 939 3,188	PA&ED: 7/2/2018 RW Cert: 4/1/2020 RTL: 4/15/2020 Begin Con: 10/21/2020
				Performance Measure 13 Bridge(s)				**Total (Capital + Support):**	**$6,884**	
152	VAR	In Merced County, on Routes 152, 140, and 59 at various locations. Seismic retrofit and bridge rail upgrade of 7 bridges.	3122	0G830	1012000316	201.113	2019/20	RW: 416 Const: 6,530 Subtotal: 6,946	PA&ED: 982 PS&E: 649 RW: 19 Con: 1,984 3,634	PA&ED: 1/2/2019 RW Cert: 2/7/2020 RTL: 2/21/2020 Begin Con: 9/1/2020
				Performance Measure 7 Bridge(s)				**Total (Capital + Support):**	**$10,580**	
ROADWAY PRESERVATION										
99	20.5/24.3	In and near Atwater, from Buhach Road to south of Westside Boulevard. Roadway rehabilitation. (G13 Contingency Project)	5431	3A720	1013000259	201.122	2018/19	RW: 447 Const: 0 Subtotal: 447	PA&ED: 1,973 PS&E: 3,946 RW: 148 Con: 0 6,067	PA&ED: 11/3/2017 RW Cert: 2/1/2019 RTL: 3/1/2019 Begin Con: 9/20/2019
				Performance Measure 16 Lane Miles				**Total (Capital + Support):**	**$6,514**	

Proposed

2016 SHOPP Project List
Merced
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
99	R12.7/17.6	In and near the city of Merced, from south of Childs Avenue to south of Franklin Road. Roadway rehabilitation.	3089	1C170	1014000144	201.122	2019/20	RW:	95	PA&ED:	1,600	PA&ED:	4/2/2018
								Const:	46,000	PS&E:	3,700	RW Cert:	4/15/2020
										RW:	122	RTL:	5/15/2020
										Con:	12,400	Begin Con:	11/13/2020
								Subtotal:	46,095		17,822		
				Performance Measure				**Total (Capital + Support):**	**$63,917**				
				19.6 Lane Miles									
99	R35.9/R37.3	In Merced and Stanislaus Counties near Turlock, from north of Bradbury Road to north of the Stanislaus County line. Rehabilitate pavement.	3091	1C180	1014000101	201.122	2016/17	RW:	0	PA&ED:	281	PA&ED:	12/4/2015
								Const:	0	PS&E:	954	RW Cert:	5/8/2017
										RW:	4	RTL:	6/8/2017
										Con:	0	Begin Con:	12/20/2017
		(G13 Contingency Project)						Subtotal:	0		1,239		
				Performance Measure				**Total (Capital + Support):**	**$1,239**				
				8.4 Lane Miles									
140	6.1/35.8	In and near the city of Merced, from east Junction 33 to Route 99. Rehabilitate pavement.	3023	0Y740	1014000032	201.121	2016/17	RW:	485	PA&ED:	1,380	PA&ED:	11/10/2015
								Const:	22,800	PS&E:	1,450	RW Cert:	4/1/2016
										RW:	215	RTL:	8/1/2016
										Con:	1,380	Begin Con:	4/3/2017
								Subtotal:	23,285		4,425		
				Performance Measure				**Total (Capital + Support):**	**$27,710**				
				60 Lane Miles									

Proposed

2016 SHOPP Project List
Merced
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
152	VAR	In Merced County on Routes 152, 59, and 99 and in San Joaquin County on Routes 5 and 12, at various locations. Rehabilitate culverts.	3139	0S120	1015000005	201.151	2019/20	RW:	151	PA&ED:	622	PA&ED:	12/3/2018
								Const:	1,768	PS&E:	743	RW Cert:	10/1/2019
										RW:	124	RTL:	1/3/2020
										Con:	765	Begin Con:	7/15/2020
								Subtotal:	1,919		2,254		
				Performance Measure			**Total (Capital + Support):**		**$4,173**				
				20 Drainage System(s)									
								RW:	5,615	PA&ED:	10,141		
								Const:	91,533	PS&E:	15,651		
										RW:	2,236		
										Con:	20,625		
								Subtotal:	97,148		48,653		

Merced County Total (Capital + Support): $145,801

Proposed

2016 SHOPP Project List
Modoc
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
299	51.9/52.5	Near Cedarville from 0.6 mile west of Cedar Pass Ski Tow Road to Cedar Pass Ski Tow Road. Curve improvement.	3607	1H330	0215000150	201.010	2018/19	RW: 0 Const: 3,214	PA&ED: 580 PS&E: 680 RW: 90 Con: 740	PA&ED: 9/11/2017 RW Cert: 9/11/2018 RTL: 10/3/2018 Begin Con: 2/12/2019
								Subtotal: 3,214	2,090	
				Performance Measure 18 Collisions Reduced			**Total (Capital + Support):**	**$5,304**		
BRIDGE PRESERVATION										
299		Near Adin, at Butte Creek Bridge No. 03 -001 and at Ash Creek Bridge No. 03-002. Replace bridges.	3484	4F210	0212000072	201.110	2017/18	RW: 47 Const: 5,600	PA&ED: 610 PS&E: 680 RW: 270 Con: 1,150	PA&ED: 3/3/2017 RW Cert: 5/11/2018 RTL: 6/22/2018 Begin Con: 11/15/2018
								Subtotal: 5,647	2,710	
				Performance Measure 2 Bridge(s)			**Total (Capital + Support):**	**$8,357**		
299	23.3	Near Canby, at Caldwell Creek Bridge No. 03-0028. Replace bridge.	3513	4F570	0213000008	201.111	2017/18	RW: 50 Const: 1,770	PA&ED: 290 PS&E: 390 RW: 70 Con: 750	PA&ED: 7/15/2016 RW Cert: 10/6/2017 RTL: 10/27/2017 Begin Con: 3/23/2018
								Subtotal: 1,820	1,500	
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**	**$3,320**		

Proposed

2016 SHOPP Project List
Modoc
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
ROADWAY PRESERVATION										
299	24.5/33.5	Near Alturas, from 1.1 miles east of Caldwell Creek Bridge to 1.7 miles west of County Road 75. Rehabilitate roadway.	3522	4F770	0213000031	201.120	2017/18	RW: 28 Const: 11,087	PA&ED: 750 PS&E: 760 RW: 50 Con: 1,660	PA&ED: 7/30/2016 RW Cert: 9/23/2017 RTL: 10/30/2017 Begin Con: 4/1/2018
								Subtotal: 11,115	3,220	
				Performance Measure 18 Lane Miles			**Total (Capital + Support):**	**$14,335**		
								RW: 125 Const: 21,671	PA&ED: 2,230 PS&E: 2,510 RW: 480 Con: 4,300	
								Subtotal: 21,796	9,520	

Modoc County Total (Capital + Support): $31,316

Proposed

2016 SHOPP Project List
Mono
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
395	60.0/69.9	Near Bridgeport, from Conway Ranch Road to Route 270. Upgrade guardrail to meet current standards.	0658	36470	0915000016	201.015	2018/19	RW:	0	PA&ED:	319	PA&ED:	8/9/2017
								Const:	2,470	PS&E:	420	RW Cert:	7/30/2018
										RW:	2	RTL:	9/17/2018
										Con:	355	Begin Con:	3/18/2019
								Subtotal:	2,470		1,096		
				Performance Measure			**Total (Capital + Support):**		**$3,566**				
				15 Collisions Reduced									
395	80.6/84.1	Near Bridgeport, from Buckeye Road to south of Swauger Road. Widen shoulders and stabilize slopes.	0604	35080	0900020055	201.015	2016/17	RW:	101	PA&ED:	1,200	PA&ED:	1/14/2015
								Const:	12,028	PS&E:	1,055	RW Cert:	8/1/2016
										RW:	290	RTL:	10/3/2016
										Con:	1,900	Begin Con:	4/3/2017
								Subtotal:	12,129		4,445		
				Performance Measure			**Total (Capital + Support):**		**$16,574**				
				42 Collisions Reduced									
395	88.4/91.6	Near Bridgeport, from north of Devil's Gate Summit to Burcham Flat Road. Widen shoulders and add rumble strip.	2600	34940	0912000033	201.015	2017/18	RW:	190	PA&ED:	1,700	PA&ED:	12/1/2016
								Const:	5,860	PS&E:	821	RW Cert:	3/1/2018
										RW:	350	RTL:	3/1/2018
										Con:	1,140	Begin Con:	9/18/2018
								Subtotal:	6,050		4,011		
				Performance Measure			**Total (Capital + Support):**		**$10,061**				
				49.5 Collisions Reduced									

Proposed

2016 SHOPP Project List
Mono
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
395	93.4/95.7	Near Bridgeport, at and near Route 108. Widen shoulders and install rumble strips.	0615	35780	0913000007	201.015	2017/18	RW:	44	PA&ED:	270	PA&ED:	7/30/2015
								Const:	5,455	PS&E:	800	RW Cert:	10/2/2017
										RW:	190	RTL:	12/1/2017
										Con:	1,100	Begin Con:	6/1/2018
								Subtotal:	5,499		2,360		
				Performance Measure			**Total (Capital + Support):**		**$7,859**				
				4.6 Lane Miles									
MANDATES													
395	51.2/51.7	In Lee Vining, from north of Utility Road to north of First Street. Upgrade curb ramps, sidewalks and driveways to meet ADA standards.	0659	36550	0915000017	201.361	2019/20	RW:	338	PA&ED:	260	PA&ED:	8/28/2017
								Const:	1,000	PS&E:	528	RW Cert:	10/8/2019
										RW:	747	RTL:	10/8/2019
										Con:	533	Begin Con:	3/11/2020
								Subtotal:	1,338		2,068		
				Performance Measure			**Total (Capital + Support):**		**$3,406**				
				68 Curb Ramps									
								RW:	673	PA&ED:	3,749		
								Const:	26,813	PS&E:	3,624		
										RW:	1,579		
										Con:	5,028		
								Subtotal:	27,486		13,980		

Mono County Total (Capital + Support): $41,466

Proposed

2016 SHOPP Project List
Monterey
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MAJOR DAMAGE RESTORATION										
1	21.6/22.1	Near Lucia, from north of Limekiln Creek Bridge to south of Lucia. Slide repair.	2314	0T850	0500020308	201.131	2017/18	RW: 551 Const: 13,947	PA&ED: 4,500 PS&E: 1,654 RW: 874 Con: 2,756	PA&ED: 2/1/2017 RW Cert: 5/7/2018 RTL: 5/7/2018 Begin Con: 10/18/2018
								Subtotal: 14,498	9,784	
				Performance Measure 1 Location(s)				**Total (Capital + Support): $24,282**		
COLLISION REDUCTION										
1	58.3/59.8	North of Big Sur, from south of Bixby Creek Bridge to south of Rocky Creek Bridge. Widen shoulders and upgrade guardrails.	2313	1A000	0500020284	201.015	2017/18	RW: 14 Const: 5,349	PA&ED: 575 PS&E: 983 RW: 11 Con: 1,154	PA&ED: 9/8/2016 RW Cert: 1/2/2018 RTL: 1/2/2018 Begin Con: 7/19/2018
								Subtotal: 5,363	2,723	
				Performance Measure 3 Collisions Reduced				**Total (Capital + Support): $8,086**		
68	1.6/L4.0	Near Pacific Grove, from south of Piedmont Avenue to Scenic Drive. Widen shoulders.	2378	1C250	0512000107	201.015	2017/18	RW: 0 Const: 3,138	PA&ED: 715 PS&E: 1,093 RW: 17 Con: 786	PA&ED: 7/12/2016 RW Cert: 12/26/2017 RTL: 6/22/2018 Begin Con: 1/25/2019
								Subtotal: 3,138	2,611	
				Performance Measure 7 Collisions Reduced				**Total (Capital + Support): $5,749**		

Proposed

2016 SHOPP Project List
Monterey
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
68	1.6/L4.1	Near Pacific Grove, from Piedmont Avenue to Scenic Drive. Pavement overlay and install centerline rumble strips.	2604	1G450	0515000031	201.010	2017/18	RW:	14	PA&ED:	276	PA&ED:	6/16/2016
								Const:	2,525	PS&E:	491	RW Cert:	2/27/2017
										RW:	34	RTL:	7/18/2017
										Con:	361	Begin Con:	1/31/2018
								Subtotal:	2,539		1,162		
				Performance Measure			**Total (Capital + Support):**		**$3,701**				
				276 Collisions Reduced									
101	53.2	In Greenfield, near Maple Avenue. Landscape mitigation for PPNO 2470.	2470Y	1E051	0515000079	201.015	2017/18	RW:	0	PA&ED:	0	PA&ED:	6/26/2013
								Const:	122	PS&E:	407	RW Cert:	11/8/2017
										RW:	18	RTL:	4/6/2018
										Con:	246	Begin Con:	10/24/2018
								Subtotal:	122		671		
				Performance Measure			**Total (Capital + Support):**		**$793**				
				30 Collisions Reduced									
101	53.9/57.1	Near Greenfield, from Walnut Avenue to 2.4 miles north of North Greenfield Overcrossing. Install median barrier.	2596	1G380	0515000007	201.010	2016/17	RW:	5	PA&ED:	0	PA&ED:	6/18/2015
								Const:	4,190	PS&E:	1,030	RW Cert:	10/12/2016
										RW:	56	RTL:	3/1/2017
										Con:	1,240	Begin Con:	10/25/2017
								Subtotal:	4,195		2,326		
				Performance Measure			**Total (Capital + Support):**		**$6,521**				
				32 Collisions Reduced									

Proposed

2016 SHOPP Project List
Monterey
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	73.0/96.8	In Monterey and San Benito counties from north of North Gonzalez Overcrossing to the Santa Clara County line. Roadside safety improvements.	2571	1F900	0514000073	201.235	2019/20	RW:	456	PA&ED:	715	PA&ED:	10/1/2018
								Const:	2,814	PS&E:	1,090	RW Cert:	6/1/2020
										RW:	175	RTL:	6/15/2020
										Con:	1,044	Begin Con:	12/2/2020
								Subtotal:	3,270		3,024		
				Performance Measure				**Total (Capital + Support):**	**$6,294**				
				57 Location(s)									
183	R1.8/R8.6	In and near Salinas, from Davis Road to Blackie Road. Install centerline and shoulder rumble strips.	2597	1G390	0515000008	201.010	2017/18	RW:	0	PA&ED:	280	PA&ED:	3/1/2016
								Const:	1,390	PS&E:	473	RW Cert:	6/1/2017
										RW:	35	RTL:	10/19/2017
										Con:	297	Begin Con:	6/6/2018
								Subtotal:	1,390		1,085		
				Performance Measure				**Total (Capital + Support):**	**$2,475**				
				23 Collisions Reduced									
198	22.4/22.8	Near San Lucas, from 0.1 mile west of North Fork Road to 0.3 mile east of North Fork Road. Widen and repave roadway to correct cross-slope.	2420	1C660	0512000186	201.010	2016/17	RW:	51	PA&ED:	650	PA&ED:	11/3/2015
								Const:	1,805	PS&E:	735	RW Cert:	2/13/2017
										RW:	147	RTL:	2/21/2017
										Con:	584	Begin Con:	8/29/2017
								Subtotal:	1,856		2,116		
				Performance Measure				**Total (Capital + Support):**	**$3,972**				
				20 Collisions Reduced									

Proposed

2016 SHOPP Project List
Monterey
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
VAR		In Monterey, Santa Cruz and San Benito counties, on various routes at various locations. Replace and install advance curve warning signs.	2595	1G310	0514000140	201.015	2018/19	RW:	48	PA&ED:	754	PA&ED:	7/3/2018
								Const:	1,852	PS&E:	1,044	RW Cert:	4/29/2019
										RW:	35	RTL:	5/1/2019
										Con:	552	Begin Con:	9/25/2019
								Subtotal:	1,900		2,385		
				Performance Measure			**Total (Capital + Support):**		**$4,285**				
				5538 Collisions Reduced									
VAR		In and near Carmel, Monterey, and Seaside, on Routes 1 and 68 at various locations. Roadside maintenance safety improvements.	2458	1C990	0513000022	201.235	2017/18	RW:	14	PA&ED:	637	PA&ED:	1/21/2016
								Const:	2,913	PS&E:	1,000	RW Cert:	3/21/2017
										RW:	11	RTL:	9/27/2017
										Con:	796	Begin Con:	5/25/2018
								Subtotal:	2,927		2,444		
				Performance Measure			**Total (Capital + Support):**		**$5,371**				
				66 Location(s)									
BRIDGE PRESERVATION													
101	62.1/63.2	Near Soledad, from Route 146 to Front Street at the North Soledad Overhead No. 44-91R. Rehabilitate bridge.	9700	0F970	0513000017	201.110	2017/18	RW:	1,578	PA&ED:	34	PA&ED:	9/2/2014
								Const:	6,674	PS&E:	1,416	RW Cert:	3/2/2018
										RW:	58	RTL:	4/6/2018
										Con:	1,392	Begin Con:	11/9/2018
								Subtotal:	8,252		2,900		
				Performance Measure			**Total (Capital + Support):**		**$11,152**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Monterey
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	R41.4/R41.8	In and near King City, at the Salinas River Bridge No 44- 32. Bridge seismic retrofit and bridge rail replacement. (G13 Contingency Project)	2454	1C960	0513000019	201.113	2017/18	RW:	2,552	PA&ED:	1,487	PA&ED:	3/30/2017
								Const:	0	PS&E:	4,795	RW Cert:	4/23/2018
										RW:	80	RTL:	5/24/2018
										Con:	0	Begin Con:	12/26/2018
								Subtotal:	2,552		6,362		
				Performance Measure			**Total (Capital + Support):**		**$8,914**				
				2 Bridge(s)									
101	R6.7	Near Paso Robles, at San Antonio River Bridge No 44-0141L/R. Bridge seismic restoration.	2565	1F820	0514000064	201.113	2019/20	RW:	841	PA&ED:	1,529	PA&ED:	8/9/2018
								Const:	7,734	PS&E:	1,800	RW Cert:	2/11/2020
										RW:	15	RTL:	4/1/2020
										Con:	2,236	Begin Con:	11/12/2020
								Subtotal:	8,575		5,580		
				Performance Measure			**Total (Capital + Support):**		**$14,155**				
				2 Bridge(s)									
156	R1.1/R2.1	Near Castroville, from Route 183 to Castroville Boulevard. Upgrade bridge railing and widen overhead.	0900A	0A090	0513000028	201.112	2017/18	RW:	467	PA&ED:	70	PA&ED:	9/2/2014
								Const:	4,500	PS&E:	1,800	RW Cert:	1/11/2018
										RW:	130	RTL:	4/3/2018
										Con:	1,100	Begin Con:	10/5/2018
								Subtotal:	4,967		3,100		
				Performance Measure			**Total (Capital + Support):**		**$8,067**				
				392 Linear Feet									

Proposed

2016 SHOPP Project List
Monterey
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
ROADWAY PRESERVATION										
1	2.5/67.3	South of Carmel, at seven (7) locations from north of the San Luis Obispo County line to south of Malpaso Creek Bridge. Rehabilitate and/or replace culverts.	2478	1F080	0513000052	201.151	2017/18	RW: 84 Const: 3,279	PA&ED: 672 PS&E: 1,154 RW: 288 Con: 783	PA&ED: 4/1/2016 RW Cert: 3/29/2018 RTL: 4/9/2018 Begin Con: 10/16/2018
								Subtotal: 3,363	2,897	
				Performance Measure 7 Drainage System(s)			**Total (Capital + Support):**	**$6,260**		
1	20.4	Near Lucia, at 0.6 mile south of Limekiln Creek Bridge. Replace culvert.	2230	0Q500	0500020288	201.151	2019/20	RW: 23 Const: 1,527	PA&ED: 936 PS&E: 1,124 RW: 113 Con: 575	PA&ED: 7/2/2018 RW Cert: 10/28/2019 RTL: 2/3/2020 Begin Con: 6/1/2020
								Subtotal: 1,550	2,748	
				Performance Measure 1 Drainage System(s)			**Total (Capital + Support):**	**$4,298**		
1	39.9/74.6	In and near Big Sur and Carmel, from Torre Canyon Bridge to San Luis Avenue. Pavement rehabilitation.	2534	1F680	0514000046	201.121	2018/19	RW: 31 Const: 24,335	PA&ED: 858 PS&E: 1,427 RW: 41 Con: 2,828	PA&ED: 5/1/2018 RW Cert: 9/30/2019 RTL: 2/20/2020 Begin Con: 9/29/2020
								Subtotal: 24,366	5,154	
				Performance Measure 72.1 Lane Miles			**Total (Capital + Support):**	**$29,520**		

Proposed

2016 SHOPP Project List
Monterey
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	73.8/87.3	In and near Salinas, from north of North Gonzales Overcrossing to East Market Street. Pavement rehabilitation.	2540	1F700	0514000055	201.121	2018/19	RW:	70	PA&ED:	0	PA&ED:	7/1/2016
								Const:	19,400	PS&E:	2,100	RW Cert:	4/4/2018
										RW:	90	RTL:	10/29/2018
										Con:	2,300	Begin Con:	5/8/2019
								Subtotal:	19,470		4,490		
				Performance Measure				**Total (Capital + Support):**	**$23,960**				
				53.7 Lane Miles									
101	87.3/R91.5	In Salinas, from East Market Street to south of Russell/Espinosa Road. Rehabilitate pavement. (G13 Contingency Project)	2474	1C890	0513000009	201.122	2017/18	RW:	95	PA&ED:	780	PA&ED:	12/1/2015
								Const:	0	PS&E:	2,060	RW Cert:	4/26/2018
										RW:	180	RTL:	4/26/2018
										Con:	0	Begin Con:	11/13/2018
								Subtotal:	95		3,020		
				Performance Measure				**Total (Capital + Support):**	**$3,115**				
				17.2 Lane Miles									
101	R28.0/R30.6	Near King City, from south of Paris Valley Road Overcrossing to Rancho Undercrossing. Roadway rehabilitation. (G13 Contingency Project)	2546	1F740	0514000049	201.122	2018/19	RW:	0	PA&ED:	11	PA&ED:	7/1/2014
								Const:	0	PS&E:	1,820	RW Cert:	8/1/2018
										RW:	42	RTL:	12/7/2018
										Con:	0	Begin Con:	5/24/2019
								Subtotal:	0		1,873		
				Performance Measure				**Total (Capital + Support):**	**$1,873**				
				10.52 Lane Miles									

Proposed

2016 SHOPP Project List
Monterey
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	R36.9/43.2	In and near King City, from south of Wild Horse Road to north of Jolon Road. Rehabilitate pavement. (G13 Contingency Project)	2548	1F750	0514000050	201.122	2017/18	RW:	15	PA&ED:	0	PA&ED:	3/2/2015
								Const:	0	PS&E:	1,663	RW Cert:	6/14/2017
										RW:	60	RTL:	6/1/2018
										Con:	0	Begin Con:	11/28/2018
								Subtotal:	15		1,723		
				Performance Measure 17.2 Lane Miles				**Total (Capital + Support):**	**$1,738**				

MOBILITY

68	L4.0/R18.1	Near the cities of Monterey and Salinas, from Route 1 to Spreckels Boulevard. Install Traffic Management System (TMS) elements.	4019	0N190	0513000142	201.315	2016/17	RW:	200	PA&ED:	260	PA&ED:	10/13/2015
								Const:	3,220	PS&E:	480	RW Cert:	1/18/2017
										RW:	100	RTL:	6/1/2017
										Con:	290	Begin Con:	3/22/2018
								Subtotal:	3,420		1,130		
				Performance Measure 28 Field Elements				**Total (Capital + Support):**	**$4,550**				

RW:	7,109	PA&ED:	15,739
Const:	110,714	PS&E:	31,639
		RW:	2,610
		Con:	21,320
Subtotal:	117,823		71,308

Monterey County Total (Capital + Support): $189,131

Proposed

2016 SHOPP Project List
Napa
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MAJOR DAMAGE RESTORATION										
121	14.8	Near Napa, at 1.5 miles south of Wooden Valley Road. Install rock bolts and flexible cable mesh to mitigate rockfall.	1488Q	3J740	0415000191	201.131	2017/18	RW: 144 Const: 891	PA&ED: 400 PS&E: 360 RW: 85 Con: 190	PA&ED: 6/1/2017 RW Cert: 9/3/2018 RTL: 9/3/2018 Begin Con: 5/3/2019
				Performance Measure 1 Location(s)				Subtotal: 1,035 **Total (Capital + Support): $2,070**	1,035	
121	20.5/20.7	Near the city of Napa, at south of Route 128. Embankment stabilization and culvert repair.	1485Q	2J570	0414000530	201.131	2017/18	RW: 65 Const: 1,822	PA&ED: 372 PS&E: 427 RW: 42 Con: 295	PA&ED: 5/23/2017 RW Cert: 5/1/2018 RTL: 6/1/2018 Begin Con: 11/19/2018
				Performance Measure 2 Location(s)				Subtotal: 1,887 **Total (Capital + Support): $3,023**	1,136	
COLLISION REDUCTION										
29	11.4	In Napa, at northbound ramps and 1st Street. Construct roundabout.	1488P	2J100	0414000426	201.010	2016/17	RW: 280 Const: 3,780	PA&ED: 0 PS&E: 250 RW: 0 Con: 1,144	PA&ED: 7/7/2016 RW Cert: 6/16/2017 RTL: 6/30/2017 Begin Con: 2/1/2018
				Performance Measure 48 Collisions Reduced				Subtotal: 4,060 **Total (Capital + Support): $5,454**	1,394	

Proposed

2016 SHOPP Project List
Napa
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
29	11.9	In Napa, on southbound on-ramp from Solano Avenue to Route 29. Construct concrete barrier.	0116Q	4G490	0412000491	201.015	2016/17	RW:	10	PA&ED:	306	PA&ED:	1/6/2016
								Const:	1,242	PS&E:	486	RW Cert:	2/28/2017
										RW:	18	RTL:	2/28/2017
										Con:	90	Begin Con:	9/28/2017
								Subtotal:	1,252		900		
				Performance Measure				**Total (Capital + Support):**	**$2,152**				
				2 Collisions Reduced									
121	.7	Near Napa, at Huichica Creek (PM 0.75). Roadway widening.	0775G	4G210	0412000310	201.010	2017/18	RW:	220	PA&ED:	1,350	PA&ED:	12/30/2016
								Const:	8,700	PS&E:	1,530	RW Cert:	6/1/2018
										RW:	90	RTL:	6/1/2018
										Con:	900	Begin Con:	1/4/2019
								Subtotal:	8,920		3,870		
				Performance Measure				**Total (Capital + Support):**	**$12,790**				
				1 Collisions Reduced									
MANDATES													
29	36.9/4.0	In Calistoga, on Route 29 from postmile 36.9 to 38.0 at various locations; also on Route 128 from postmile 4.0 to 4.5 at various locations. Construct ADA ramps.	0371Q	3G140	0412021276	201.361	2016/17	RW:	561	PA&ED:	700	PA&ED:	3/15/2016
								Const:	1,422	PS&E:	500	RW Cert:	6/1/2017
										RW:	175	RTL:	6/1/2017
										Con:	300	Begin Con:	4/2/2018
								Subtotal:	1,983		1,675		
				Performance Measure				**Total (Capital + Support):**	**$3,658**				
				29 Curb Ramps									

Proposed

2016 SHOPP Project List
Napa
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
BRIDGE PRESERVATION										
29	32.1/42.8	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.	1482P	2J770	0415000003	201.119	2019/20	RW: 495 Const: 2,844 Subtotal: 3,339	PA&ED: 900 PS&E: 710 RW: 236 Con: 850 2,696	PA&ED: 9/1/2018 RW Cert: 3/1/2020 RTL: 4/15/2020 Begin Con: 10/30/2020
				Performance Measure 3 Bridge(s)				**Total (Capital + Support):** **$6,035**		
29	39.1	Near Calistoga, at Garnett Creek Bridge No. 21-0005. Bridge preventative maintenance.	1483E	2J880	0415000021	201.119	2019/20	RW: 317 Const: 1,100 Subtotal: 1,417	PA&ED: 1,320 PS&E: 1,100 RW: 330 Con: 1,100 3,850	PA&ED: 9/1/2018 RW Cert: 3/1/2020 RTL: 4/15/2020 Begin Con: 10/30/2020
				Performance Measure 1 Bridge(s)				**Total (Capital + Support):** **$5,267**		
29	47.0/47.2	Near Calistoga, at Troutdale Creek Bridge #21-0004. Plant establishment.	0382E	4A09A	0415000012	201.111	2016/17	RW: 5 Const: 100 Subtotal: 105	PA&ED: 0 PS&E: 90 RW: 5 Con: 80 175	PA&ED: 7/28/2013 RW Cert: 11/14/2016 RTL: 11/28/2016 Begin Con: 6/15/2017
				Performance Measure 1 Bridge(s)				**Total (Capital + Support):** **$280**		

Proposed

2016 SHOPP Project List
Napa
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
121	18.6	Near Napa, at Capell Creek Bridge No. 21 -0064. Bridge rehabilitation.	1489K	4J210	0415000288	201.110	2019/20	RW:	225	PA&ED:	490	PA&ED:	9/1/2018
								Const:	2,440	PS&E:	735	RW Cert:	3/1/2020
										RW:	100	RTL:	4/15/2020
										Con:	735	Begin Con:	10/30/2020
								Subtotal:	2,665		2,060		
				Performance Measure				**Total (Capital + Support):**	**$4,725**				
				1 Bridge(s)									
121	6.4	In Napa, at Tulucay Creek Bridge No. 21 -0003. Repair bridge girders.	0086U	4G920	0413000062	201.119	2017/18	RW:	262	PA&ED:	378	PA&ED:	12/30/2016
								Const:	2,170	PS&E:	357	RW Cert:	2/23/2018
										RW:	208	RTL:	3/2/2018
										Con:	512	Begin Con:	12/7/2018
								Subtotal:	2,432		1,455		
				Performance Measure				**Total (Capital + Support):**	**$3,887**				
				1 Bridge(s)									
128	19.7/20.7	Near Napa, at Capell Creek Bridge No. 21 -0078. Rehabilitate bridge.	0830B	4G840	0413000051	201.110	2017/18	RW:	239	PA&ED:	1,560	PA&ED:	6/15/2016
								Const:	12,710	PS&E:	1,560	RW Cert:	3/31/2018
										RW:	216	RTL:	4/30/2018
										Con:	1,940	Begin Con:	12/31/2018
								Subtotal:	12,949		5,276		
				Performance Measure				**Total (Capital + Support):**	**$18,225**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Napa
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
128	R7.4	Near Rutherford, at Conn Creek Bridge No. 21-0021. Replace bridge.	0587H	1G430	0412000126	201.111	2016/17	RW:	20	PA&ED:	960	PA&ED:	10/5/2015
								Const:	7,165	PS&E:	1,050	RW Cert:	4/3/2017
										RW:	150	RTL:	4/3/2017
										Con:	1,000	Begin Con:	9/1/2017
								Subtotal:	7,185		3,160		
				Performance Measure				**Total (Capital + Support):**	**$10,345**				
				1 Bridge(s)									

ROADWAY PRESERVATION

29	13.5/25.5	In and near Napa and Yountville, from north of Trancas Street/Redwood Road to Mee Lane. Rehabilitate pavement.	0378E	4H200	0413000258	201.121	2016/17	RW:	95	PA&ED:	510	PA&ED:	1/29/2016
								Const:	17,100	PS&E:	1,900	RW Cert:	8/1/2017
										RW:	35	RTL:	8/1/2017
										Con:	2,100	Begin Con:	1/28/2018
								Subtotal:	17,195		4,545		
				Performance Measure				**Total (Capital + Support):**	**$21,740**				
				40.1 Lane Miles									

RW:	2,938	PA&ED:	9,246
Const:	63,486	PS&E:	11,055
		RW:	1,690
		Con:	11,236
Subtotal:	66,424		33,227

Napa County Total (Capital + Support): $99,651

Proposed

2016 SHOPP Project List
Nevada
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
80	0.0/20.0	In and near Truckee, from east of Kingvale Undercrossing to west of Union Mills Bridge and Overhead. Replace guardrail with concrete barrier.	4288	4F600	0314000228	201.015	2018/19	RW: 62 Const: 6,220	PA&ED: 410 PS&E: 660 RW: 30 Con: 770	PA&ED: 8/1/2017 RW Cert: 10/15/2018 RTL: 11/1/2018 Begin Con: 4/1/2019
								Subtotal: 6,282	1,870	
				Performance Measure 24 Collisions Reduced				**Total (Capital + Support): $8,152**		
174	2.7/4.6	Near Rollins Lake, from Maple Way to You Bet Road. Realign roadway curves.	4451	4F370	0314000152	201.010	2017/18	RW: 2,156 Const: 17,000	PA&ED: 1,700 PS&E: 2,100 RW: 2,300 Con: 3,200	PA&ED: 7/1/2016 RW Cert: 2/1/2018 RTL: 2/1/2018 Begin Con: 7/1/2018
								Subtotal: 19,156	9,300	
				Performance Measure 72 Collisions Reduced				**Total (Capital + Support): $28,456**		
MANDATES										
174	9.7/10.1	In Grass Valley, from Park Street to Route 20. Upgrade pedestrian infrastructure to meet Americans with Disabilities Act (ADA) requirements.	4450	3F680	0313000047	201.361	2018/19	RW: 150 Const: 1,660	PA&ED: 180 PS&E: 330 RW: 86 Con: 360	PA&ED: 7/3/2017 RW Cert: 12/3/2018 RTL: 1/1/2019 Begin Con: 9/2/2019
								Subtotal: 1,810	956	
				Performance Measure 85.7 Curb Ramps				**Total (Capital + Support): $2,766**		

Proposed

2016 SHOPP Project List
Nevada
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
ROADWAY PRESERVATION										
49	23.2/R32.6	Near Nevada City, from 1.3 miles north of South Yuba River Bridge to Yuba County Line. Rehabilitate pavement.	4122	4F740	0314000265	201.121	2016/17	RW: 0 Const: 5,708 Subtotal: 5,708	PA&ED: 465 PS&E: 485 RW: 60 Con: 1,065 2,075	PA&ED: 2/1/2016 RW Cert: 9/1/2016 RTL: 9/1/2016 Begin Con: 4/1/2017
				Performance Measure 18.8 Lane Miles				**Total (Capital + Support):**	**$7,783**	
49	7.5/R14.4	In and near Grass Valley, from Lime Kiln Road to Route 20. Rehabilitate culverts. (G13 Contingency Project)	4123	0H220	0315000113	201.151	2018/19	RW: 80 Const: 0 Subtotal: 80	PA&ED: 440 PS&E: 550 RW: 350 Con: 0 1,340	PA&ED: 9/1/2017 RW Cert: 10/1/2018 RTL: 11/1/2018 Begin Con: 4/1/2019
				Performance Measure 38 Drainage System(s)				**Total (Capital + Support):**	**$1,420**	
80	29.1/29.4	Near Truckee, from east of Floriston Road to west of Farad Undercrossing. Stabilize cut-slope.	4287	3F250	0312000133	201.150	2018/19	RW: 200 Const: 9,690 Subtotal: 9,890	PA&ED: 570 PS&E: 840 RW: 110 Con: 1,110 2,630	PA&ED: 8/1/2017 RW Cert: 9/1/2018 RTL: 10/1/2018 Begin Con: 4/1/2019
				Performance Measure 1 Location(s)				**Total (Capital + Support):**	**$12,520**	

Proposed

2016 SHOPP Project List
Nevada
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
MOBILITY													
49	VAR	In various counties on various routes at various locations. Repair and install vehicle census count stations.	4125	0H420	0315000166	201.315	2019/20	RW:	30	PA&ED:	1,000	PA&ED:	1/1/2019
								Const:	9,200	PS&E:	1,000	RW Cert:	9/1/2019
										RW:	180	RTL:	10/1/2019
										Con:	1,800	Begin Con:	3/1/2020
								Subtotal:	9,230		3,980		
				Performance Measure			**Total (Capital + Support):**		**$13,210**				
				470 Field Elements									
FACILITIES													
80	19.0/19.4	In Truckee, at the Donner Pass Inspection Facility; also in Nevada County at Floriston, at the Floriston sand and salt houses (PM 27.4). Construct new sand/salt house and demolish existing.	4296	3F920	0313000239	201.352	2018/19	RW:	17	PA&ED:	0	PA&ED:	6/1/2016
								Const:	2,478	PS&E:	100	RW Cert:	6/25/2018
										RW:	80	RTL:	7/17/2018
										Con:	625	Begin Con:	3/20/2019
								Subtotal:	2,495		805		
				Performance Measure			**Total (Capital + Support):**		**$3,300**				
				1 Location(s)									
								RW:	2,695	PA&ED:	4,765		
								Const:	51,956	PS&E:	6,065		
										RW:	3,196		
										Con:	8,930		
								Subtotal:	54,651		22,956		

Nevada County Total (Capital + Support): $77,607

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MAJOR DAMAGE RESTORATION										
1	R18.4	In Newport Beach, at North Arm Newport Bay Bridge (No. 55-0614). Rebuild failed slope paving and bike trail and construct cut-off wall.	2382	0N910	1215000008	201.131	2016/17	RW: 30 Const: 1,183	PA&ED: 500 PS&E: 700 RW: 0 Con: 400	PA&ED: 3/1/2016 RW Cert: 5/25/2016 RTL: 9/1/2016 Begin Con: 12/28/2016
								Subtotal: 1,213	1,600	
				Performance Measure 1 Location(s)				**Total (Capital + Support): $2,813**		
COLLISION REDUCTION										
1	24.3	In Huntington Beach, at Huntington Street. Modify traffic signal and add additional lighting.	2442	0P020	1215000023	201.010	2016/17	RW: 98 Const: 627	PA&ED: 190 PS&E: 330 RW: 200 Con: 280	PA&ED: 4/1/2016 RW Cert: 6/15/2017 RTL: 6/16/2017 Begin Con: 10/26/2017
								Subtotal: 725	1,000	
				Performance Measure 20 Collisions Reduced				**Total (Capital + Support): $1,725**		
5	22.0/R24.3	In Irvine, from north of Bake Parkway merge to south of Jeffrey Road. Overlay pavement with Open Graded Asphalt Concrete (OGAC) and install Midwest Guardrail System (MGS).	2751B	0N650	1214000076	201.010	2017/18	RW: 8 Const: 3,000	PA&ED: 195 PS&E: 405 RW: 0 Con: 425	PA&ED: 11/1/2016 RW Cert: 1/2/2018 RTL: 2/1/2018 Begin Con: 11/1/2018
								Subtotal: 3,008	1,025	
				Performance Measure 70 Collisions Reduced				**Total (Capital + Support): $4,033**		

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
5	31.0/33.3	In Santa Ana, from south of 4th Street to Broadway. Roadside safety improvements.	2841	0N510	1214000054	201.235	2018/19	RW:	0	PA&ED:	285	PA&ED:	4/1/2018
								Const:	1,900	PS&E:	390	RW Cert:	3/1/2019
										RW:	0	RTL:	4/1/2019
										Con:	325	Begin Con:	12/1/2019
								Subtotal:	1,900		1,000		
				Performance Measure				**Total (Capital + Support):**	**$2,900**				
				36 Location(s)									
5	33.3/34.5	In the cities of Santa Ana and Orange, from Broadway to the Santa Ana River; also on Route 22 from Santa Ana River to Main Street, and on Route 57 from Route 5 to Chapman Avenue. Enhance highway worker safety with access gates and other measures.	2859A	0N080	1213000100	201.235	2016/17	RW:	0	PA&ED:	270	PA&ED:	2/1/2016
								Const:	4,600	PS&E:	490	RW Cert:	11/1/2016
										RW:	90	RTL:	2/1/2017
										Con:	550	Begin Con:	10/1/2017
								Subtotal:	4,600		1,400		
				Performance Measure				**Total (Capital + Support):**	**$6,000**				
				65 Location(s)									
5	33.7	In Santa Ana, at the northbound connector to westbound Route 22. Groove pavement, upgrade drainage system, and install new delineation to improve wet pavement conditions. Also, upgrade guardrail.	2860G	0N280	1213000191	201.010	2016/17	RW:	5	PA&ED:	30	PA&ED:	8/1/2015
								Const:	585	PS&E:	283	RW Cert:	4/1/2016
										RW:	11	RTL:	8/10/2016
										Con:	220	Begin Con:	2/8/2017
								Subtotal:	590		544		
				Performance Measure				**Total (Capital + Support):**	**$1,134**				
				17 Collisions Reduced									

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
5	34.5/37.4	In the city of Orange and Anaheim from Santa Ana River to Harbor Boulevard. Grove existing concrete pavement.	2860M	0N640	1214000075	201.010	2016/17	RW:	0	PA&ED:	130	PA&ED:	3/1/2016
								Const:	2,103	PS&E:	690	RW Cert:	1/17/2017
										RW:	0	RTL:	5/1/2017
										Con:	650	Begin Con:	12/11/2017
								Subtotal:	2,103		1,470		
				Performance Measure				**Total (Capital + Support):**	**$3,573**				
				102 Collisions Reduced									
22	R3.9/R10.8	In the cities of Garden Grove, Orange and Santa Ana, from Route 39 (Beach Boulevard) to Route 5. Modify ramps and add auxiliary lane.	2941	0M900	1213000017	201.010	2017/18	RW:	20	PA&ED:	950	PA&ED:	3/15/2017
								Const:	10,522	PS&E:	2,000	RW Cert:	5/15/2018
										RW:	200	RTL:	6/15/2018
										Con:	2,100	Begin Con:	10/15/2018
								Subtotal:	10,542		5,250		
				Performance Measure				**Total (Capital + Support):**	**$15,792**				
				1125 Collisions Reduced									
39	0.6/22.2	In Huntington Beach, Anaheim and La Habra at various intersections. Modify traffic signals and enhance lighting.	3089A	0M520	1212000096	201.010	2017/18	RW:	25	PA&ED:	0	PA&ED:	5/20/2015
								Const:	2,300	PS&E:	855	RW Cert:	8/11/2017
										RW:	15	RTL:	8/30/2017
										Con:	945	Begin Con:	2/19/2018
								Subtotal:	2,325		1,815		
				Performance Measure				**Total (Capital + Support):**	**$4,140**				
				165 Collisions Reduced									

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
39	1.8	In the city of Huntington Beach, at Utica Avenue. Intersection improvement.	3104	0N990	1215000017	201.010	2017/18	RW:	45	PA&ED:	117	PA&ED:	6/5/2016
								Const:	580	PS&E:	293	RW Cert:	10/27/2017
										RW:	94	RTL:	4/4/2018
										Con:	293	Begin Con:	10/26/2018
								Subtotal:	625		797		
				Performance Measure			**Total (Capital + Support):**		**$1,422**				
				20 Collisions Reduced									
39	5.7	In Huntington Beach at Center Avenue; also in Buena Park, at Route 91 off ramps (PM 14.4). Improve lighting and modify traffic signals.	3143A	0N710	1214000092	201.010	2016/17	RW:	20	PA&ED:	164	PA&ED:	1/5/2016
								Const:	844	PS&E:	445	RW Cert:	11/28/2016
										RW:	0	RTL:	1/4/2017
										Con:	609	Begin Con:	4/7/2017
								Subtotal:	864		1,218		
				Performance Measure			**Total (Capital + Support):**		**$2,082**				
				93 Collisions Reduced									
55	12.0/13.4	In the cities of Orange and Tustin, from north of 17th Street to north of La Veta Avenue. Roadside safety improvements.	3573	0N500	1214000053	201.235	2018/19	RW:	0	PA&ED:	285	PA&ED:	10/1/2017
								Const:	1,900	PS&E:	390	RW Cert:	9/1/2018
										RW:	0	RTL:	10/1/2018
										Con:	325	Begin Con:	5/1/2019
								Subtotal:	1,900		1,000		
				Performance Measure			**Total (Capital + Support):**		**$2,900**				
				33 Location(s)									

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
55	13.2/R17.8	In the city of Orange, from La Veta Avenue to Route 91. Roadside safety improvements.	3535	0N530	1214000056	201.235	2019/20	RW:	0	PA&ED:	300	PA&ED:	4/1/2019
								Const:	2,000	PS&E:	440	RW Cert:	3/1/2020
										RW:	0	RTL:	4/1/2020
										Con:	360	Begin Con:	2/1/2021
								Subtotal:	2,000		1,100		
				Performance Measure				**Total (Capital + Support):**	**$3,100**				
				32 Location(s)									
73	10.0/28.0	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.	4051A	0N720	1214000093	201.015	2019/20	RW:	0	PA&ED:	730	PA&ED:	8/4/2017
								Const:	16,500	PS&E:	2,600	RW Cert:	5/15/2019
										RW:	58	RTL:	8/1/2019
										Con:	3,200	Begin Con:	3/13/2020
								Subtotal:	16,500		6,588		
				Performance Measure				**Total (Capital + Support):**	**$23,088**				
				108 Collisions Reduced									
74	2.9/5.1	Near San Juan Capistrano, from east of Antonio Parkway/La Pata Avenue to west of Conrock entrance. Landscape and plant establishment project.	4124B	0L722	1214000104	201.010	2018/19	RW:	20	PA&ED:	0	PA&ED:	9/1/2017
								Const:	850	PS&E:	400	RW Cert:	8/1/2018
										RW:	0	RTL:	9/1/2018
										Con:	620	Begin Con:	5/1/2019
								Subtotal:	870		1,020		
				Performance Measure				**Total (Capital + Support):**	**$1,890**				
				8.00 Collisions Reduced									

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
91	5.2/6.4	In Anaheim and Placentia from State College boulevard to La Palma Avenue; also on Route 57 from south of La Palma Avenue to south of Orangethorpe Avenue. Enhance highway worker safety with access gates, miscellaneous paving and other measures.	4558A	0N090	1213000101	201.235	2017/18	RW:	0	PA&ED:	200	PA&ED:	10/1/2016
								Const:	3,400	PS&E:	340	RW Cert:	9/1/2017
										RW:	60	RTL:	10/1/2017
										Con:	400	Begin Con:	4/1/2018
								Subtotal:	3,400		1,000		
				Performance Measure				**Total (Capital + Support):**	**$4,400**				
				60 Location(s)									
91	5.8/R9.3	In Anaheim, from east of S. State College Boulevard to west of S. Lakeview Avenue; also on various routes at various locations. Install safety lighting, upgrade guardrails and end treatments.	4595	0M610	1212000121	201.010	2016/17	RW:	30	PA&ED:	0	PA&ED:	2/2/2015
								Const:	5,180	PS&E:	1,674	RW Cert:	4/1/2016
										RW:	30	RTL:	8/1/2016
										Con:	1,240	Begin Con:	1/2/2017
								Subtotal:	5,210		2,944		
				Performance Measure				**Total (Capital + Support):**	**$8,154**				
				154 Collisions Reduced									
133	3.1/3.6	In Laguna Beach, from 1700 feet south to 1300 feet north of El Toro Road. Extend lanes in both directions.	4793	0N060	1213000097	201.010	2017/18	RW:	1,230	PA&ED:	1,215	PA&ED:	2/28/2017
								Const:	3,870	PS&E:	1,820	RW Cert:	4/24/2018
										RW:	550	RTL:	5/31/2018
										Con:	1,306	Begin Con:	11/7/2018
								Subtotal:	5,100		4,891		
				Performance Measure				**Total (Capital + Support):**	**$9,991**				
				65 Collisions Reduced									

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
133	3.4/13.6	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.	4795A	0N660	1214000077	201.015	2018/19	RW:	0	PA&ED:	830	PA&ED:	12/11/2017
								Const:	6,960	PS&E:	1,750	RW Cert:	4/15/2019
										RW:	70	RTL:	5/17/2019
										Con:	1,950	Begin Con:	9/19/2019
								Subtotal:	6,960		4,600		
				Performance Measure				**Total (Capital + Support):**	**$11,560**				
				63 Collisions Reduced									
133	R7.8/13.7	In and near Irvine, from south of Route 405 to north of Route 241. Enhance highway worker safety with access gates, miscellaneous paving, and other measures.	4839A	0N100	1213000102	201.235	2017/18	RW:	0	PA&ED:	200	PA&ED:	4/1/2017
								Const:	1,900	PS&E:	340	RW Cert:	3/1/2018
										RW:	60	RTL:	4/1/2018
										Con:	400	Begin Con:	11/1/2018
								Subtotal:	1,900		1,000		
				Performance Measure				**Total (Capital + Support):**	**$2,900**				
				25 Location(s)									
405	7.3/11.8	In Irvine, and Costa Mesa, from Von Karmen Avenue to west of Harbor Boulevard. Roadside safety improvements.	4999D	0N520	1214000055	201.235	2019/20	RW:	0	PA&ED:	285	PA&ED:	10/1/2018
								Const:	1,900	PS&E:	390	RW Cert:	9/1/2019
										RW:	0	RTL:	10/1/2019
										Con:	325	Begin Con:	6/1/2020
								Subtotal:	1,900		1,000		
				Performance Measure				**Total (Capital + Support):**	**$2,900**				
				20 Location(s)									

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
MANDATES													
1	11.6/11.9	Near Laguna Beach, from north of Irvine Cove Drive to Moro Ridge Road. Storm water mitigation.	2314	0M990	1213000186	201.335	2017/18	RW:	0	PA&ED:	200	PA&ED:	10/30/2015
								Const:	935	PS&E:	470	RW Cert:	5/19/2017
										RW:	10	RTL:	6/12/2017
										Con:	335	Begin Con:	12/1/2017
								Subtotal:	935		1,015		
				Performance Measure			**Total (Capital + Support):**		**$1,950**				
				.25 Acres									
1	7.9/10.5	In Laguna Beach, from south of Ruby Street to Ledroit Street. Upgrade pedestrian facilities to Americans with Disabilities Act standards.	2300	0M820	1214000041	201.378	2019/20	RW:	815	PA&ED:	1,225	PA&ED:	8/22/2017
								Const:	3,566	PS&E:	1,825	RW Cert:	8/16/2019
										RW:	1,450	RTL:	10/2/2019
										Con:	1,600	Begin Con:	4/8/2020
								Subtotal:	4,381		6,100		
				Performance Measure			**Total (Capital + Support):**		**$10,481**				
				187 Curb Ramps									
5	10.1/10.6	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.	2632A	0P090	1215000034	201.335	2019/20	RW:	0	PA&ED:	400	PA&ED:	1/31/2017
								Const:	2,729	PS&E:	600	RW Cert:	1/15/2019
										RW:	50	RTL:	2/26/2019
										Con:	650	Begin Con:	11/27/2019
								Subtotal:	2,729		1,700		
				Performance Measure			**Total (Capital + Support):**		**$4,429**				
				2.5 Acres									

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
57	16.3/20.9	In Fullerton and Placentia, from Orangethorpe Avenue to Lambert Road. Upgrade pedestrian facilities to meet current ADA standards.	3799	0M480	1214000042	201.378	2018/19	RW:	20	PA&ED:	290	PA&ED:	5/1/2017
								Const:	1,100	PS&E:	875	RW Cert:	1/3/2019
										RW:	1	RTL:	2/13/2019
										Con:	710	Begin Con:	9/3/2019
								Subtotal:	1,120		1,876		
				Performance Measure			**Total (Capital + Support):**		**$2,996**				
				91 Curb Ramps									
74	0.1/1.8	In San Juan Capistrano, from Route 5 to the San Juan Capistrano city line. Upgrade pedestrian facilities to meet current ADA standards.	4097C	0M090	1200020302	201.361	2018/19	RW:	122	PA&ED:	290	PA&ED:	1/4/2017
								Const:	1,307	PS&E:	940	RW Cert:	1/2/2019
										RW:	600	RTL:	4/2/2019
										Con:	910	Begin Con:	12/3/2019
								Subtotal:	1,429		2,740		
				Performance Measure			**Total (Capital + Support):**		**$4,169**				
				48 Curb Ramps									
90	0.6/8.0	In La Habra, Fullerton, Brea, and Placentia, from Route 39 (Beach Blvd.) to west of Rose Drive. Americans with Disabilities Act (ADA) improvements.	4317	0M910	1213000036	201.378	2016/17	RW:	760	PA&ED:	740	PA&ED:	11/3/2015
								Const:	4,472	PS&E:	2,605	RW Cert:	5/17/2017
										RW:	2,500	RTL:	6/1/2017
										Con:	1,570	Begin Con:	1/3/2018
								Subtotal:	5,232		7,415		
				Performance Measure			**Total (Capital + Support):**		**$12,647**				
				51 Curb Ramps									

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
142	3.5/4.7	In Brea, from east of Chino Hills State Park entrance to east of Olinda Drive. Storm water mitigation.	5380A	0N730	1214000095	201.335	2019/20	RW:	200	PA&ED:	456	PA&ED:	8/1/2018
								Const:	3,100	PS&E:	800	RW Cert:	5/4/2020
										RW:	380	RTL:	6/2/2020
										Con:	785	Begin Con:	11/9/2020
								Subtotal:	3,300		2,421		
				Performance Measure			**Total (Capital + Support):**		**$5,721**				
				1.74 Acres									

BRIDGE PRESERVATION

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
1	9.3	In Laguna Beach, at Route 133 (Broadway Street). Replace bridge. Financial Contribution Only (FCO)	2293	0M990	1213000086	201.110	2017/18	RW:	230	PA&ED:	62	PA&ED:	10/30/2015
								Const:	1,164	PS&E:	103	RW Cert:	5/19/2017
										RW:	21	RTL:	6/12/2017
										Con:	103	Begin Con:	12/1/2017
								Subtotal:	1,394		289		
				Performance Measure			**Total (Capital + Support):**		**$1,683**				
				1 Bridge(s)									

ROADWAY PRESERVATION

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
1	20.5/20.9	In Newport Beach, from north of Superior Avenue to 60th Street. Rehabilitate drainage system.	2403A	0N930	1215000009	201.151	2018/19	RW:	10	PA&ED:	250	PA&ED:	4/5/2017
								Const:	1,095	PS&E:	400	RW Cert:	9/25/2017
										RW:	0	RTL:	5/22/2018
										Con:	400	Begin Con:	12/3/2018
								Subtotal:	1,105		1,050		
				Performance Measure			**Total (Capital + Support):**		**$2,155**				
				14 Drainage System(s)									

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
22	R9.1	In Garden Grove, at Haster Street westbound off-ramp. Upgrade drainage system.	2948	0N920	1215000010	201.151	2019/20	RW:	100	PA&ED:	234	PA&ED:	8/1/2018
								Const:	1,149	PS&E:	410	RW Cert:	8/1/2019
										RW:	30	RTL:	8/15/2019
										Con:	468	Begin Con:	2/15/2020
								Subtotal:	1,249		1,142		
				Performance Measure				**Total (Capital + Support):**	**$2,391**				
				5 Drainage System(s)									
39	12.4/17.2	In Anaheim and Buena Park, at Lincoln Avenue (PM 12.4/12.9); at Route 91 (PM 14.3/14.5) and from Route 5 to Rosecrans Avenue (PM 15.1/17.4). Roadway rehabilitation (G13 Contingency Project)	3174	0J400	1200020177	201.121	2016/17	RW:	36	PA&ED:	0	PA&ED:	2/17/2014
								Const:	0	PS&E:	1,251	RW Cert:	5/26/2016
										RW:	220	RTL:	4/15/2017
										Con:	0	Begin Con:	1/5/2018
								Subtotal:	36		1,471		
				Performance Measure				**Total (Capital + Support):**	**$1,507**				
				3 Lane Miles									
39	9.8/10.5	In Stanton, from south of Bever Place to south of Katella Avenue. Rehabilitate drainage system to alleviate flooding.	3184	0H270	1200000211	201.151	2016/17	RW:	341	PA&ED:	233	PA&ED:	6/25/2015
								Const:	2,709	PS&E:	550	RW Cert:	8/16/2016
										RW:	35	RTL:	9/28/2016
										Con:	650	Begin Con:	4/12/2017
								Subtotal:	3,050		1,468		
				Performance Measure				**Total (Capital + Support):**	**$4,518**				
				14 Drainage System(s)									

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
73	22.5/R25.7	In and near Irvine and Newport Beach, from Bonita Canyon Road/New Ford Road to north of Campus Drive. Rehabilitate Pavement.	4096M	0M960	1213000068	201.121	2016/17	RW:	0	PA&ED:	0	PA&ED:	6/30/2015
								Const:	5,400	PS&E:	514	RW Cert:	10/5/2016
										RW:	49	RTL:	1/3/2017
										Con:	690	Begin Con:	8/3/2017
								Subtotal:	5,400		1,253		
				Performance Measure				**Total (Capital + Support):**	**$6,653**				
				32 Lane Miles									
91	R9.8/R18.9	In the City of Anaheim, from west of Lakeview Avenue to Orange/Riverside County line. Pavement rehabilitation.	5364	0N320	1213000196	201.121	2018/19	RW:	0	PA&ED:	0	PA&ED:	6/6/2015
								Const:	5,750	PS&E:	1,740	RW Cert:	5/1/2018
										RW:	0	RTL:	7/1/2018
										Con:	1,740	Begin Con:	10/1/2018
								Subtotal:	5,750		3,480		
				Performance Measure				**Total (Capital + Support):**	**$9,230**				
				90 Lane Miles									
142	R0.8/2.9	In and near Brea, from Route 90 to east of Brea Hills Avenue. Pavement rehabilitation.	5364	0N600	1214000066	201.121	2016/17	RW:	6,826	PA&ED:	0	PA&ED:	6/29/2014
								Const:	5,750	PS&E:	2,040	RW Cert:	3/1/2017
										RW:	500	RTL:	6/1/2017
										Con:	2,490	Begin Con:	2/15/2018
								Subtotal:	12,576		5,030		
				Performance Measure				**Total (Capital + Support):**	**$17,606**				
				11 Lane Miles									

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MOBILITY										
5	23.2/30.2	In the cities of Santa Ana, Tustin and Irvine, from Route 133 to Route 55. Upgrade existing fiber optic communication system, closed circuit television and electronic equipment.	2753B	0H028	1213000143	201.315	2018/19	RW: 0 Const: 3,000	PA&ED: 330 PS&E: 780 RW: 0 Con: 750	PA&ED: 3/1/2017 RW Cert: 6/1/2018 RTL: 8/1/2018 Begin Con: 4/4/2019
				Performance Measure 7 Field Elements				Subtotal: 3,000 **Total (Capital + Support): $4,860**	1,860	
5	33.0/43.2	In the cities of Orange, Anaheim, Santa Ana, Fullerton and Buena Park, from Main Street to Stanton Avenue. Install and modify Intelligent Transportation System elements.	2859B	0P420	1215000098	201.315	2019/20	RW: 0 Const: 3,600	PA&ED: 170 PS&E: 770 RW: 80 Con: 480	PA&ED: 7/3/2017 RW Cert: 4/12/2019 RTL: 7/9/2019 Begin Con: 12/18/2019
				Performance Measure 10.2 Field Elements				Subtotal: 3,600 **Total (Capital + Support): $5,100**	1,500	
55	R8.0/R9.2	In the cities of Santa Ana and Tustin, from Dyer Road on ramp to Edinger Avenue off ramp. Construct northbound auxiliary lane.	3483	0G950	1215000045	201.310	2018/19	RW: 24,500 Const: 13,100	PA&ED: 1,400 PS&E: 3,500 RW: 1,500 Con: 2,800	PA&ED: 4/5/2017 RW Cert: 4/3/2019 RTL: 6/3/2019 Begin Con: 12/12/2019
				Performance Measure 710 1000 Vehicle				Subtotal: 37,600 **Total (Capital + Support): $46,800**	9,200	

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
57	10.7/16.6	In the cities of Orange, Anaheim and Placentia, from Route 5 to north of Orangethorpe Avenue. Upgrade Transportation Management System.	2530J	0N900	1215000007	201.315	2019/20	RW:	0	PA&ED:	150	PA&ED:	7/5/2017
								Const:	2,020	PS&E:	400	RW Cert:	7/1/2019
										RW:	50	RTL:	7/1/2019
										Con:	380	Begin Con:	2/28/2020
								Subtotal:	2,020		980		
				Performance Measure			**Total (Capital + Support):**		**$3,000**				
				5.9 Field Elements									
91	R13.6	In Anaheim, at the Commercial Vehicle Enforcement Facility (CVEF) Peralta Weigh Station (Eastbound). Rehabilitate and upgrade CVEF.	4642A	0N490	1214000050	201.321	2018/19	RW:	0	PA&ED:	633	PA&ED:	10/2/2017
								Const:	3,650	PS&E:	1,160	RW Cert:	3/5/2019
										RW:	23	RTL:	3/12/2019
										Con:	1,213	Begin Con:	9/13/2019
								Subtotal:	3,650		3,029		
				Performance Measure			**Total (Capital + Support):**		**$6,679**				
				1 Location(s)									
91	R13.8	Near Anaheim, at the westbound Peralta Weigh Station. Rehabilitate Commercial Vehicle Enforcement Facility (CVEF).	4644A	0N270	1213000187	201.321	2017/18	RW:	0	PA&ED:	422	PA&ED:	7/1/2016
								Const:	3,373	PS&E:	774	RW Cert:	5/1/2017
										RW:	18	RTL:	9/22/2017
										Con:	809	Begin Con:	2/1/2018
								Subtotal:	3,373		2,023		
				Performance Measure			**Total (Capital + Support):**		**$5,396**				
				1 Location(s)									

Proposed

2016 SHOPP Project List
Orange
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
91	R2.6/7.2	In the cities of Buena Park, Anaheim and Fullerton, from Route 39 (Beach Boulevard) to North Kraemer Boulevard. Upgrade Transportation Management System.	4532	0P410	1215000099	201.315	2019/20	RW:	0	PA&ED:	180	PA&ED:	7/5/2017
								Const:	3,200	PS&E:	590	RW Cert:	4/15/2019
										RW:	50	RTL:	7/8/2019
										Con:	580	Begin Con:	2/26/2020
								Subtotal:	3,200		1,400		
				Performance Measure				**Total (Capital + Support):**	**$4,600**				
				8.7 Field Elements									

RW:	35,491	PA&ED:	14,541
Const:	144,873	PS&E:	40,122
		RW:	9,005
		Con:	37,036
Subtotal:	180,364		100,704

Orange County Total (Capital + Support): $281,068

Proposed

2016 SHOPP Project List
Placer
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
65	R5.0/R6.0	In and near Roseville and Rocklin, from Route 80 to Galleria Boulevard/Stanford Ranch Road. Construct northbound auxiliary lane.	5108	0H260	0315000118	201.010	2016/17	RW:	150	PA&ED:	1,100	PA&ED:	5/30/2016
								Const:	15,050	PS&E:	2,500	RW Cert:	2/28/2017
										RW:	300	RTL:	3/31/2017
										Con:	2,600	Begin Con:	10/2/2017
								Subtotal:	15,200		6,500		
				Performance Measure			**Total (Capital + Support):**		**$21,700**				
				184 Collisions Reduced									
80	41.4/42.2	Near Gold Run, at the Gold Run Safety Roadside Rest Area. Replace water distribution system.	5103	3F480	0313000017	201.235	2016/17	RW:	0	PA&ED:	570	PA&ED:	12/15/2015
								Const:	1,836	PS&E:	430	RW Cert:	2/1/2017
										RW:	60	RTL:	3/24/2017
										Con:	400	Begin Con:	9/1/2017
								Subtotal:	1,836		1,460		
				Performance Measure			**Total (Capital + Support):**		**$3,296**				
				2 Location(s)									
BRIDGE PRESERVATION													
80	0.3/R63.5	In Placer and Nevada counties, at various locations. Rehabilitate or replace bridges at six locations. (G13 Contingency Project)	5097	2F570	0300020615	201.110	2019/20	RW:	200	PA&ED:	2,720	PA&ED:	1/2/2018
								Const:	0	PS&E:	6,350	RW Cert:	2/28/2020
										RW:	485	RTL:	3/15/2020
										Con:	0	Begin Con:	12/15/2021
								Subtotal:	200		9,555		
				Performance Measure			**Total (Capital + Support):**		**$9,755**				
				6 Bridge(s)									

Proposed

2016 SHOPP Project List
Placer
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones
ROADWAY PRESERVATION												
49	3.1/7.5	In Auburn, from 0.1 mile south of Routes 49/80 Separation to 0.1 mile north of Dry Creek Road. Rehabilitate pavement. (G13 Contingency Project)	4781	2F340	0300020616	201.120	2017/18	RW: 50 Const: 0	PA&ED: PS&E: RW: Con:	2,400 1,300 1,100 0	PA&ED: RW Cert: RTL: Begin Con:	6/1/2016 3/1/2018 4/2/2018 10/1/2018
				Performance Measure 22 Lane Miles				Subtotal: 50 **Total (Capital + Support):** **$4,850**		4,800		
80	25.9/28.5	Near Weimar, from west of Applegate Road to west of Weimar Cross Road. Drainage system rehabilitation.	5105	4F250	0314000086	201.151	2018/19	RW: 70 Const: 3,070	PA&ED: PS&E: RW: Con:	220 430 140 610	PA&ED: RW Cert: RTL: Begin Con:	7/3/2017 12/15/2018 1/15/2019 9/5/2019
				Performance Measure 26 Drainage System(s)				Subtotal: 3,140 **Total (Capital + Support):** **$4,540**		1,400		
80	28.5/31.5	In and near Colfax, from 0.3 mile south of Weimar overhead to .3 mile south of Illinoistown overcrossing. Rehabilitate culvert.	5096	3E050	0300020597	201.151	2017/18	RW: 82 Const: 1,143	PA&ED: PS&E: RW: Con:	190 260 60 380	PA&ED: RW Cert: RTL: Begin Con:	6/1/2016 10/1/2017 10/1/2017 3/1/2018
				Performance Measure 12 Drainage System(s)				Subtotal: 1,225 **Total (Capital + Support):** **$2,115**		890		

Proposed

2016 SHOPP Project List
Placer
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
80	31.5/36.9	In and near Colfax, from west of Illinoistown Overcrossing to east of Cape Horn Undercrossing. Drainage system rehabilitation.	5079	1E050	0300020600	201.151	2019/20	RW:	150	PA&ED:	230	PA&ED:	6/1/2017
								Const:	3,170	PS&E:	440	RW Cert:	7/15/2019
										RW:	140	RTL:	8/15/2019
										Con:	600	Begin Con:	3/5/2020
								Subtotal:	3,320		1,410		
				Performance Measure				**Total (Capital + Support):**	**$4,730**				
				22 Drainage System(s)									

MOBILITY

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
80	2.8	In Roseville, at the Atlantic Street/Eureka Road westbound on-ramp. Install ramp meters and widen ramp for storage capacity. (G13 Contingency Project)	5113	0H460	0315000174	201.310	2018/19	RW:	650	PA&ED:	700	PA&ED:	12/15/2016
								Const:	0	PS&E:	700	RW Cert:	9/15/2018
										RW:	130	RTL:	10/1/2018
										Con:	0	Begin Con:	4/15/2019
								Subtotal:	650		1,530		
				Performance Measure				**Total (Capital + Support):**	**$2,180**				
				563 1000 Vehicle									

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
80	VAR	In various counties on various routes at various locations. Upgrade Extinguishable Message Signs (EMS) to LED.	4291	0H400	0315000164	201.315	2019/20	RW:	0	PA&ED:	190	PA&ED:	1/1/2019
								Const:	1,600	PS&E:	210	RW Cert:	9/1/2019
										RW:	30	RTL:	10/1/2019
										Con:	500	Begin Con:	4/1/2020
								Subtotal:	1,600		930		
				Performance Measure				**Total (Capital + Support):**	**$2,530**				
				62 Field Elements									

Proposed

2016 SHOPP Project List
Placer
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 1,352	PA&ED: 8,320	
								Const: 25,869	PS&E: 12,620	
									RW: 2,445	
									Con: 5,090	
								Subtotal: 27,221	28,475	

Placer County Total (Capital + Support): $55,696

Proposed

2016 SHOPP Project List
Plumas
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
70	11.5/11.9	Near Belden, from 2.1 miles to 1.6 miles west of Chipps Creek Bridge. Curve Improvement.	3578	0H450	0215000017	201.010	2017/18	RW:	36	PA&ED:	360	PA&ED:	12/19/2016
								Const:	1,964	PS&E:	406	RW Cert:	5/9/2018
										RW:	19	RTL:	5/23/2018
										Con:	357	Begin Con:	11/12/2018
								Subtotal:	2,000		1,142		
				Performance Measure			**Total (Capital + Support):**		**$3,142**				
				20 Collisions Reduced									
BRIDGE PRESERVATION													
70	14.9	Near Belden, at Yellow Creek Bridge #09 -0008. Replace bridge.	3208	1C750	0200000080	201.113	2016/17	RW:	400	PA&ED:	1,620	PA&ED:	1/26/2015
								Const:	7,800	PS&E:	1,460	RW Cert:	10/3/2016
										RW:	140	RTL:	11/3/2016
										Con:	2,000	Begin Con:	5/24/2017
								Subtotal:	8,200		5,220		
				Performance Measure			**Total (Capital + Support):**		**$13,420**				
				1 Bridge(s)									
89	29.5/30.5	Near Canyon Dam, at Lake Almanor Spillway. Replace bridge.	3349	0E180	0200000022	201.113	2016/17	RW:	60	PA&ED:	1,100	PA&ED:	2/18/2015
								Const:	9,000	PS&E:	1,300	RW Cert:	2/17/2017
										RW:	300	RTL:	3/1/2017
										Con:	1,600	Begin Con:	8/8/2017
								Subtotal:	9,060		4,300		
				Performance Measure			**Total (Capital + Support):**		**$13,360**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Plumas
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
ROADWAY PRESERVATION													
70	0.0/70.0	In Plumas County from Butte County line to east of Moach Road at various locations. Drainage rehabilitation.	3587	0H550	0215000050	201.151	2019/20	RW:	290	PA&ED:	1,060	PA&ED:	4/23/2018
								Const:	2,525	PS&E:	710	RW Cert:	6/4/2019
										RW:	1,090	RTL:	7/11/2019
										Con:	920	Begin Con:	2/13/2020
								Subtotal:	2,815		3,780		
				Performance Measure			**Total (Capital + Support):**		**$6,595**				
				50 Drainage System(s)									
70	90.3/96.0	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.	3599	0H760	0215000086	201.122	2019/20	RW:	0	PA&ED:	1,030	PA&ED:	12/5/2018
								Const:	20,547	PS&E:	900	RW Cert:	8/5/2019
										RW:	70	RTL:	9/5/2019
										Con:	1,440	Begin Con:	3/10/2020
								Subtotal:	20,547		3,440		
				Performance Measure			**Total (Capital + Support):**		**$23,987**				
				18 Lane Miles									
								RW:	786	PA&ED:	5,170		
								Const:	41,836	PS&E:	4,776		
										RW:	1,619		
										Con:	6,317		
								Subtotal:	42,622		17,882		

Plumas County Total (Capital + Support): $60,504

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
10	29.6	In Whitewater, at the West Route 62 to East Route 10 Connector Overcrossing. Apply high friction surface treatment.	3004F	1F950	0815000076	201.010	2016/17	RW: 35 Const: 441 Subtotal: 476	PA&ED: 196 PS&E: 345 RW: 11 Con: 135 Subtotal: 687	PA&ED: 2/25/2016 RW Cert: 10/19/2016 RTL: 11/14/2016 Begin Con: 5/1/2017
				Performance Measure 19 Collisions Reduced				**Total (Capital + Support): $1,163**		
10	6.8/9.6	In Beaumont, from Route 60 westbound off-ramp to Highland Springs Avenue. Roadside safety improvements.	0005U	1C210	0812000305	201.235	2017/18	RW: 7 Const: 1,229 Subtotal: 1,236	PA&ED: 184 PS&E: 226 RW: 21 Con: 198 Subtotal: 629	PA&ED: 3/15/2017 RW Cert: 12/15/2017 RTL: 4/18/2018 Begin Con: 10/15/2018
				Performance Measure 90 Location(s)				**Total (Capital + Support): $1,865**		
10	9.5/14.1	In the city of Banning, from Highland Springs Avenue to east of Hargrave Street. Roadside safety improvements.	3003G	1C310	0812000284	201.235	2018/19	RW: 7 Const: 1,168 Subtotal: 1,175	PA&ED: 227 PS&E: 265 RW: 27 Con: 230 Subtotal: 749	PA&ED: 5/19/2017 RW Cert: 4/20/2018 RTL: 9/20/2018 Begin Con: 3/14/2019
				Performance Measure 189 Location(s)				**Total (Capital + Support): $1,924**		

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
10	R12.4/13.1	In the city of Banning, from 0.4 mile west to 0.3 mile east of 8th Street. Roadside safety improvements.	3003H	1C320	0812000283	201.235	2018/19	RW:	7	PA&ED:	256	PA&ED:	3/10/2017
								Const:	1,315	PS&E:	298	RW Cert:	2/16/2018
										RW:	31	RTL:	7/18/2018
										Con:	259	Begin Con:	3/15/2019
								Subtotal:	1,322		844		
				Performance Measure			**Total (Capital + Support):**		**$2,166**				
				77 Location(s)									
15	0.0/4.8	In and near Temecula, from the San Diego County line to the southbound on-ramp at Rancho California Overcrossing. Roadside safety improvements.	0014J	1C220	0812000277	201.235	2016/17	RW:	7	PA&ED:	183	PA&ED:	10/5/2015
								Const:	1,130	PS&E:	221	RW Cert:	7/15/2016
										RW:	23	RTL:	9/28/2016
										Con:	198	Begin Con:	1/13/2017
								Subtotal:	1,137		625		
				Performance Measure			**Total (Capital + Support):**		**$1,762**				
				95 Location(s)									
15	23.8/33.4	In and near Lake Elsinore, from Nichols Road to Temescal Canyon Road. Construct rumble strips.	3004G	1F870	0815000063	201.010	2016/17	RW:	10	PA&ED:	130	PA&ED:	4/29/2016
								Const:	706	PS&E:	200	RW Cert:	12/19/2016
										RW:	12	RTL:	1/19/2017
										Con:	90	Begin Con:	7/3/2017
								Subtotal:	716		432		
				Performance Measure			**Total (Capital + Support):**		**$1,148**				
				187 Collisions Reduced									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
15	4.8/6.5	In Temecula, from Rancho California southbound on-ramp to Route 79/Winchester Road Interchange southbound on-ramp. Roadside safety improvements.	0016M	1C140	0812000264	201.235	2016/17	RW: 7	PA&ED:	224	PA&ED:	8/27/2015
								Const: 1,623	PS&E:	271	RW Cert:	6/15/2016
									RW:	28	RTL:	8/22/2016
									Con:	232	Begin Con:	2/13/2017
								Subtotal:	1,630	755		
				Performance Measure			**Total (Capital + Support):**		**$2,385**			
				160 Location(s)								
15	44.1/48.5	In and near Norco, from 3rd Street to northbound on-ramp at Limonite Avenue Interchange. Roadside safety improvements.	0016N	1C150	0812000263	201.235	2017/18	RW: 7	PA&ED:	279	PA&ED:	6/9/2016
								Const: 1,394	PS&E:	328	RW Cert:	10/16/2017
									RW:	34	RTL:	1/17/2018
									Con:	285	Begin Con:	8/14/2018
								Subtotal:	1,401	926		
				Performance Measure			**Total (Capital + Support):**		**$2,327**			
				131 Location(s)								
15	6.5/8.2	In Temecula, from Route 79/Winchester Road to southbound on-ramp from Route 215. Roadside safety improvements.	0019P	1C200	0812000279	201.235	2017/18	RW: 7	PA&ED:	347	PA&ED:	6/17/2016
								Const: 2,435	PS&E:	433	RW Cert:	10/10/2017
									RW:	41	RTL:	2/14/2018
									Con:	358	Begin Con:	11/14/2018
								Subtotal:	2,442	1,179		
				Performance Measure			**Total (Capital + Support):**		**$3,621**			
				258 Location(s)								

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
60	10.7/13.3	In the city of Riverside, from west of Market Street to Day Street in the City of Moreno Valley. Roadside safety improvements.	0041L	1C230	0812000276	201.235	2017/18	RW:	7	PA&ED:	179	PA&ED:	1/13/2017
								Const:	1,160	PS&E:	226	RW Cert:	10/19/2017
										RW:	22	RTL:	3/15/2018
										Con:	196	Begin Con:	9/14/2018
								Subtotal:	1,167		623		
				Performance Measure			**Total (Capital + Support):**		**$1,790**				
				88 Location(s)									
60	13.3/21.5	In Moreno Valley, from Day Street to westbound off-ramp at Theodore Street. Roadside safety improvements.	0033P	1C160	0812000262	201.235	2017/18	RW:	7	PA&ED:	303	PA&ED:	2/15/2017
								Const:	2,007	PS&E:	361	RW Cert:	1/15/2018
										RW:	34	RTL:	5/15/2018
										Con:	313	Begin Con:	10/15/2018
								Subtotal:	2,014		1,011		
				Performance Measure			**Total (Capital + Support):**		**$3,025**				
				66 Location(s)									
60	22.2/26.5	Near Moreno Valley, from Gilman Springs Road to Jack Rabbit Trail. Construct left and right shoulders for westbound direction.	0045G	0Q180	0800020220	201.010	2016/17	RW:	250	PA&ED:	2,000	PA&ED:	11/5/2015
								Const:	25,000	PS&E:	1,500	RW Cert:	5/5/2017
										RW:	200	RTL:	6/5/2017
										Con:	3,700	Begin Con:	12/27/2017
								Subtotal:	25,250		7,400		
				Performance Measure			**Total (Capital + Support):**		**$32,650**				
				330.00 Collisions Reduced									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
60	R0.0/12.2	In and near Ontario and the city of Riverside, from Hamner Avenue to Routes 60/91/215 junction. Install new lighting and enhance visibility of existing concrete barrier and lane line striping.	0033S	1E650	0814000059	201.010	2017/18	RW:	10	PA&ED:	630	PA&ED:	12/23/2015
								Const:	15,200	PS&E:	1,403	RW Cert:	7/8/2016
										RW:	113	RTL:	9/2/2016
										Con:	1,753	Begin Con:	5/5/2017
								Subtotal:	15,210		3,899		
				Performance Measure				**Total (Capital + Support):**	**$19,109**				
				486 Collisions Reduced									
74	0.0/5.8	Near Lake Elsinore, from Orange County Line to Monte Vista Street. Widen for standard lane widths and shoulders and construct ground-in rumble strips.	0050P	1C850	0813000047	201.010	2017/18	RW:	20	PA&ED:	2,060	PA&ED:	12/31/1899
								Const:	53,600	PS&E:	2,590	RW Cert:	2/26/2018
										RW:	20	RTL:	3/30/2018
										Con:	4,985	Begin Con:	12/14/2018
								Subtotal:	53,620		9,655		
				Performance Measure				**Total (Capital + Support):**	**$63,275**				
				298 Collisions Reduced									
74	17.5/25.7	In and near Lake Elsinore, from Cambern Avenue to 7th Street. Construct raised median curb.	0054K	1E070	0813000141	201.010	2016/17	RW:	43	PA&ED:	295	PA&ED:	10/27/2015
								Const:	7,128	PS&E:	650	RW Cert:	11/16/2016
										RW:	35	RTL:	12/15/2016
										Con:	1,490	Begin Con:	6/23/2017
								Subtotal:	7,171		2,470		
				Performance Measure				**Total (Capital + Support):**	**$9,641**				
				80 Collisions Reduced									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
74	27.8/37.7	In and near Menifee and Hemet, from Route 215 to West Acacia Avenue. Construct raised curb median.	0056H	0N670	0800000536	201.010	2017/18	RW:	2,549	PA&ED:	945	PA&ED:	9/1/2016
								Const:	26,298	PS&E:	1,990	RW Cert:	4/2/2018
										RW:	1,860	RTL:	5/1/2018
										Con:	3,950	Begin Con:	12/3/2018
								Subtotal:	28,847		8,745		
				Performance Measure				**Total (Capital + Support):**	**$37,592**				
				26 Collisions Reduced									
74	37.7/44.7	In Hemet, from West Acacia Avenue to Ramona Expressway. Construct raised median curb.	3001J	1E460	0814000026	201.010	2017/18	RW:	10	PA&ED:	500	PA&ED:	6/1/2016
								Const:	5,207	PS&E:	1,070	RW Cert:	10/30/2017
										RW:	10	RTL:	11/30/2017
										Con:	1,270	Begin Con:	6/1/2018
								Subtotal:	5,217		2,850		
				Performance Measure				**Total (Capital + Support):**	**$8,067**				
				70 Collisions Reduced									
74	52.1/92.0	In and near Palm Desert, from west of Strawberry Creek bridge to west of Cahuilla Hills Road. Install metal beam guardrail.	0050L	0R780	0812000165	201.015	2016/17	RW:	10	PA&ED:	800	PA&ED:	3/10/2016
								Const:	4,976	PS&E:	600	RW Cert:	12/26/2016
										RW:	80	RTL:	2/10/2017
										Con:	700	Begin Con:	10/26/2017
								Subtotal:	4,986		2,180		
				Performance Measure				**Total (Capital + Support):**	**$7,166**				
				126 Collisions Reduced									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
74	R14.8/15.2	In Lake Elsinore, at Gunnerson Street and Strickland Avenue. Widen for left-turn channelization and shoulder.	0050N	1E050	0813000139	201.010	2016/17	RW:	30	PA&ED:	911	PA&ED:	5/2/2016
								Const:	1,782	PS&E:	700	RW Cert:	3/7/2017
										RW:	40	RTL:	6/15/2017
										Con:	672	Begin Con:	2/21/2018
								Subtotal:	1,812		2,323		
				Performance Measure			**Total (Capital + Support):**		**$4,135**				
				41 Collisions Reduced									
91	7.0/7.8	In Corona, at Route 15/91 Interchange. Construct roadside paving, weed barriers and relocate facilities.	0076G	0R490	0812000089	201.235	2017/18	RW:	0	PA&ED:	165	PA&ED:	10/28/2013
								Const:	1,486	PS&E:	425	RW Cert:	11/22/2017
										RW:	26	RTL:	3/26/2018
										Con:	415	Begin Con:	9/14/2018
								Subtotal:	1,486		1,031		
				Performance Measure			**Total (Capital + Support):**		**$2,517**				
				40 Location(s)									
111	0.0/18.3	Near Salton Sea, from the Imperial/Riverside County line to south of Route 195; also from north of Tram Way/San Rafael Drive to Route 10 (PM 55.5/R63.3). Construct ground-in rumble strips along centerline and shoulder.	3005E	1F840	0815000057	201.010	2017/18	RW:	10	PA&ED:	768	PA&ED:	02/01/2017
								Const:	1,407	PS&E:	911	RW Cert:	10/18/2017
										RW:	64	RTL:	03/15/2018
										Con:	688	Begin Con:	04/02/2019
								Subtotal:	1,417		2,431		
				Performance Measure			**Total (Capital + Support):**		**$3,848**				
				133.00 Collisions Reduced									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
371	60.2/67.7	Near Cahuilla, from Wilson Valley Road to Cary Road; also from Kerby Road to Route 74 (PM 72.8/77.1). Construct rumble strips.	3004K	1F850	0815000062	201.010	2017/18	RW:	10	PA&ED:	300	PA&ED:	4/3/2017
								Const:	775	PS&E:	200	RW Cert:	1/2/2018
										RW:	50	RTL:	2/2/2018
										Con:	90	Begin Con:	10/3/2018
								Subtotal:	785		640		
				Performance Measure				**Total (Capital + Support):**	**$1,425**				
				32 Collisions Reduced									
MANDATES													
15	45.6/47.3	In and near Norco, from 6th Street to south of 68th Street. Sediment stabilization and erosion control.	0028C	1C610	0812000336	201.335	2016/17	RW:	7	PA&ED:	213	PA&ED:	6/30/2015
								Const:	1,667	PS&E:	267	RW Cert:	5/12/2016
										RW:	27	RTL:	8/12/2016
										Con:	382	Begin Con:	2/13/2017
								Subtotal:	1,674		889		
				Performance Measure				**Total (Capital + Support):**	**$2,563**				
				54 Acres									
15	6.8/7.6	In Temecula and Murrieta, from 0.2 miles south of Winchester Road/Banana Avenue to 0.2 mile south of Warm Springs Creek Bridge; also from Temescal Wash Bridge to Parkridge Avenue Undercrossing (PM 40.8/41.8). Stabilize slopes to decrease sediment transport.	3001X	1C580	0812000333	201.335	2019/20	RW:	10	PA&ED:	156	PA&ED:	7/16/2018
								Const:	885	PS&E:	296	RW Cert:	8/28/2019
										RW:	20	RTL:	1/15/2020
										Con:	320	Begin Con:	8/18/2020
								Subtotal:	895		792		
				Performance Measure				**Total (Capital + Support):**	**$1,687**				
				7.5 Acres									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
74	11.8/14.4	In Lake Elsinore, from west of Grand avenue to north of Lakeshore Drive. Reconstruct sidewalks and curb ramps.	0050M	0R310	0812000057	201.378	2017/18	RW:	158	PA&ED:	465	PA&ED:	7/15/2016
								Const:	1,280	PS&E:	962	RW Cert:	3/12/2018
										RW:	463	RTL:	4/10/2018
										Con:	521	Begin Con:	11/30/2018
								Subtotal:	1,438		2,411		
				Performance Measure			**Total (Capital + Support):**		**$3,849**				
				22 Structure(s)									
74	36.9/43.5	In Helmet, from Warren Avenue to Soboba Street. Construct and upgrade pedestrian facilities to current Americans with Disability Act standards.	3003P	1F590	0814000256	201.361	2019/20	RW:	246	PA&ED:	322	PA&ED:	9/15/2017
								Const:	2,188	PS&E:	1,136	RW Cert:	12/20/2019
										RW:	187	RTL:	1/21/2020
										Con:	699	Begin Con:	9/21/2020
								Subtotal:	2,434		2,344		
				Performance Measure			**Total (Capital + Support):**		**$4,778**				
				121 Curb Ramps									
74	7.0/R14.4	In and near Lake Elsinore, from 1.7 miles east of El Cariso Road to Lehr Drive. Stabilize slopes to decrease sediment transport.	3001Y	1C590	0812000334	201.335	2018/19	RW:	10	PA&ED:	310	PA&ED:	12/15/2017
								Const:	2,918	PS&E:	452	RW Cert:	12/14/2018
										RW:	20	RTL:	2/14/2019
										Con:	495	Begin Con:	9/16/2019
								Subtotal:	2,928		1,277		
				Performance Measure			**Total (Capital + Support):**		**$4,205**				
				12 Acres									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
79	25.6/26.4	In Helmet, from East Florida Avenue to East Menlo Avenue. Construct and upgrade pedestrian facilities to current Americans with Disability Act standards.	3002R	1F600	0814000257	201.361	2019/20	RW:	379	PA&ED:	450	PA&ED:	8/15/2017
								Const:	1,117	PS&E:	900	RW Cert:	11/15/2019
										RW:	670	RTL:	12/10/2019
										Con:	600	Begin Con:	8/10/2020
								Subtotal:	1,496		2,620		
				Performance Measure			**Total (Capital + Support):**		**$4,116**				
				102 Curb Ramps									
111	0.0/10.5	At Salton Sea, from the Riverside/Imperial County line to east of Cleveland Street. Sediment stabilization and erosion control.	0098F	1C620	0812000337	201.335	2016/17	RW:	20	PA&ED:	223	PA&ED:	4/15/2016
								Const:	1,442	PS&E:	200	RW Cert:	2/15/2017
										RW:	20	RTL:	4/14/2017
										Con:	285	Begin Con:	9/15/2017
								Subtotal:	1,462		728		
				Performance Measure			**Total (Capital + Support):**		**$2,190**				
				38 Acres									
111	47.3/55.3	In Palm Springs, from Gateway Drive to Golf Club Drive. Reconstruct sidewalks and curb ramps.	0105C	0R300	0812000056	201.378	2017/18	RW:	128	PA&ED:	250	PA&ED:	6/10/2016
								Const:	1,453	PS&E:	571	RW Cert:	3/6/2018
										RW:	267	RTL:	4/6/2018
										Con:	374	Begin Con:	11/8/2018
								Subtotal:	1,581		1,462		
				Performance Measure			**Total (Capital + Support):**		**$3,043**				
				3 Structure(s)									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
215	R9.0/R16.0	In Murrieta and Menifee, from Route 215 to north of Scott Road. Stabilize slopes to decrease sediment transport.	3002A	1C660	0812000341	201.335	2019/20	RW:	10	PA&ED:	1,184	PA&ED:	7/16/2018
								Const:	7,080	PS&E:	1,795	RW Cert:	9/24/2019
										RW:	20	RTL:	4/15/2020
										Con:	1,209	Begin Con:	11/17/2020
								Subtotal:	7,090		4,208		
				Performance Measure				**Total (Capital + Support):**	**$11,298**				
				36 Acres									

BRIDGE PRESERVATION

10		In Riverside and San Bernardino counties, on Routes 10, 111, and 215 at various locations. Rehabilitate 9 structures.	0010C	0Q890	0800020582	201.119	2016/17	RW:	20	PA&ED:	210	PA&ED:	2/29/2016
								Const:	1,802	PS&E:	652	RW Cert:	1/13/2017
										RW:	11	RTL:	2/17/2017
										Con:	452	Begin Con:	9/29/2017
								Subtotal:	1,822		1,325		
				Performance Measure				**Total (Capital + Support):**	**$3,147**				
				9 Bridge(s)									
10	27.7	Near Palm Springs, at Whitewater River Bridge No. 56-0004 L/R. Bridge rehabilitation and scour mitigation.	3002F	1E570	0814000051	201.110	2018/19	RW:	20	PA&ED:	290	PA&ED:	10/2/2017
								Const:	10,431	PS&E:	1,645	RW Cert:	1/31/2019
										RW:	8	RTL:	3/18/2019
										Con:	2,076	Begin Con:	11/28/2019
								Subtotal:	10,451		4,019		
				Performance Measure				**Total (Capital + Support):**	**$14,470**				
				2 Bridge(s)									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
10	R110.5	Near Desert Center, at Palen Ditch Bridge No. 56-0040 R/L. Bridge rail replacement.	3002L	1F410	0814000216	201.112	2018/19	RW:	10	PA&ED:	139	PA&ED:	9/1/2017
								Const:	592	PS&E:	342	RW Cert:	9/4/2018
										RW:	10	RTL:	10/1/2018
										Con:	119	Begin Con:	8/2/2019
								Subtotal:	602		610		
				Performance Measure			**Total (Capital + Support):**		**$1,212**				
				440 Linear Feet									
10	R24.5/R156.4	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.	3002G	1E720	0814000087	201.119	2018/19	RW:	30	PA&ED:	350	PA&ED:	8/31/2017
								Const:	1,964	PS&E:	720	RW Cert:	1/31/2019
										RW:	20	RTL:	2/28/2019
										Con:	600	Begin Con:	9/30/2019
								Subtotal:	1,994		1,690		
				Performance Measure			**Total (Capital + Support):**		**$3,684**				
				9 Bridge(s)									
74	13.2/34.0	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, Temecula Creek Bridge, and Cahuilla Bridge. Bridge rail replacement.	3002C	1C680	0812000343	201.112	2019/20	RW:	20	PA&ED:	505	PA&ED:	4/2/2018
								Const:	2,884	PS&E:	859	RW Cert:	6/3/2019
										RW:	11	RTL:	8/1/2019
										Con:	532	Begin Con:	3/2/2020
								Subtotal:	2,904		1,907		
				Performance Measure			**Total (Capital + Support):**		**$4,811**				
				1391 Linear Feet									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
VAR		Between Banning and Blythe on Routes 10 and 111, at Bridges No.56-0003, 56-0241R, and 56-0596. Seismic retrofit.	0107F	0R350	0812000071	201.113	2016/17	RW:	20	PA&ED:	456	PA&ED:	2/8/2016
								Const:	4,433	PS&E:	1,008	RW Cert:	2/2/2017
										RW:	21	RTL:	5/2/2017
										Con:	943	Begin Con:	2/1/2018
								Subtotal:	4,453		2,428		
				Performance Measure			**Total (Capital + Support):**		**$6,881**				
				3 Bridge(s)									

ROADWAY PRESERVATION

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
10	0.0/R156.4	In Riverside County, on Routes 10, 15, 71 and 215 at various locations. Replace existing guide signs with Type XI reflectivity. (G13 Contingency Project)	3005C	1F372	0815000162	201.170	2018/19	RW:	10	PA&ED:	333	PA&ED:	9/4/2017
								Const:	0	PS&E:	722	RW Cert:	2/1/2019
										RW:	45	RTL:	5/1/2019
										Con:	0	Begin Con:	12/2/2019
								Subtotal:	10		1,100		
				Performance Measure			**Total (Capital + Support):**		**$1,110**				
				307 Signs									

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
10	44.4/R52.3	In and near Indio, from Monterey Avenue to Jefferson Overcrossing. Rehabilitate pavement.	0015N	1C060	0812000256	201.121	2017/18	RW:	5	PA&ED:	396	PA&ED:	11/12/2015
								Const:	15,210	PS&E:	924	RW Cert:	6/1/2017
										RW:	30	RTL:	8/1/2017
										Con:	1,350	Begin Con:	5/15/2018
								Subtotal:	15,215		2,700		
				Performance Measure			**Total (Capital + Support):**		**$17,915**				
				48 Lane Miles									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
10	8.2/R25.1	In and near Beaumont and Banning, from Pennsylvania Avenue to Route 111. Rehabilitate pavement. (G13 Contingency Project)	0007N	1C380	0812000303	201.122	2017/18	RW:	25	PA&ED:	5,191	PA&ED:	12/22/2015
								Const:	0	PS&E:	10,591	RW Cert:	7/3/2017
										RW:	291	RTL:	2/1/2018
										Con:	0	Begin Con:	10/1/2018
								Subtotal:	25		16,073		
				Performance Measure			**Total (Capital + Support):**		**$16,098**				
				52.8 Lane Miles									
15	23.9/33.4	In and near Terra Cotta, from Nichols Road to north of Glen Ivy. Concrete pavement slab replacement. (G13 Contingency Project)	3003L	1F142	0815000232	201.121	2018/19	RW:	10	PA&ED:	1,108	PA&ED:	11/1/2017
								Const:	0	PS&E:	926	RW Cert:	2/1/2019
										RW:	10	RTL:	5/1/2019
										Con:	0	Begin Con:	1/15/2020
								Subtotal:	10		2,044		
				Performance Measure			**Total (Capital + Support):**		**$2,054**				
				57 Lane Miles									
15	38.2/51.5	In and near Corona, from south of Ontario Avenue to Route 60. Concrete pavement slab replacement.	3003M	1F143	0815000233	201.121	2018/19	RW:	10	PA&ED:	1,022	PA&ED:	11/1/2017
								Const:	24,040	PS&E:	930	RW Cert:	2/1/2019
										RW:	10	RTL:	5/1/2019
										Con:	4,771	Begin Con:	1/15/2020
								Subtotal:	24,050		6,733		
				Performance Measure			**Total (Capital + Support):**		**$30,783**				
				79.8 Lane Miles									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
15	R0.0/3.0	In and near Temecula, from Rainbow Valley Boulevard to Front Street. Rehabilitate roadway. (G13 Contingency Project)	3003K	1F141	0815000231	201.122	2019/20	RW:	10	PA&ED:	1,014	PA&ED:	11/1/2017
								Const:	0	PS&E:	1,200	RW Cert:	8/1/2019
										RW:	10	RTL:	2/3/2020
										Con:	0	Begin Con:	9/1/2020
								Subtotal:	10		2,224		
				Performance Measure 24 Lane Miles				**Total (Capital + Support):**	**$2,234**				
60	22.1/26.5	Near Moreno Valley and Beaumont, from Gilman Springs Road to west of Jack Rabbit Trail. Rehabilitate pavement.	0033N	1C090	0812000287	201.121	2016/17	RW:	0	PA&ED:	0	PA&ED:	11/5/2015
								Const:	15,000	PS&E:	0	RW Cert:	5/5/2017
										RW:	0	RTL:	6/5/2017
										Con:	0	Begin Con:	12/27/2017
								Subtotal:	15,000		0		
				Performance Measure 145.4 Lane Miles				**Total (Capital + Support):**	**$15,000**				
60	R0.0/22.3	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.	0022K	1F371	0815000163	201.170	2019/20	RW:	10	PA&ED:	125	PA&ED:	9/1/2017
								Const:	1,592	PS&E:	260	RW Cert:	9/3/2019
										RW:	15	RTL:	3/2/2020
										Con:	210	Begin Con:	11/2/2020
								Subtotal:	1,602		610		
				Performance Measure 221 Lighting Fixtures				**Total (Capital + Support):**	**$2,212**				

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
60	R6.9/R12.2	In and near the city of Riverside, from west of Valley Way to Routes 60/91/215 Junction. Rehabilitate Roadway. (G13 Contingency Project)	0038K	0Q753	0812000108	201.122	2017/18	RW:	10	PA&ED:	215	PA&ED:	2/1/2016
								Const:	0	PS&E:	1,221	RW Cert:	4/14/2017
										RW:	30	RTL:	12/5/2017
										Con:	0	Begin Con:	6/20/2018
								Subtotal:	10		1,466		
				Performance Measure			**Total (Capital + Support):**		**$1,476**				
				26.6 Lane Miles									
62	R6.7/9.2	In and near Yucca Valley and Twentynine Palms, from north of Indian Avenue to Utah Trail; Also, in San Bernardino County (PM 0.0/15.1 and PM 29.3/33.6). Pavement rehabilitation.	0023C	1E840	0814000113	201.121	2016/17	RW:	20	PA&ED:	725	PA&ED:	2/1/2016
								Const:	35,355	PS&E:	1,900	RW Cert:	2/1/2017
										RW:	77	RTL:	5/1/2017
										Con:	2,400	Begin Con:	3/30/2018
								Subtotal:	35,375		5,102		
				Performance Measure			**Total (Capital + Support):**		**$40,477**				
				85.5 Lane Miles									
74	11	Near Lake Elsinore, at 0.8 mile west of Grand Avenue. Stabilize slope to protect safety of traveling public.	3002J	1E770	0814000102	201.150	2018/19	RW:	10	PA&ED:	140	PA&ED:	9/29/2017
								Const:	1,082	PS&E:	250	RW Cert:	7/30/2018
										RW:	20	RTL:	8/30/2018
										Con:	400	Begin Con:	5/1/2019
								Subtotal:	1,092		810		
				Performance Measure			**Total (Capital + Support):**		**$1,902**				
				1 Location(s)									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
79	0.0/15.6	Near Temecula, from San Diego County line to Temecula city limits. Pavement rehabilitation. (G13 Contingency Project)	0066Q	1F690	0815000016	201.121	2018/19	RW:	10	PA&ED:	240	PA&ED:	7/7/2017
								Const:	0	PS&E:	560	RW Cert:	10/12/2018
										RW:	17	RTL:	11/6/2018
										Con:	0	Begin Con:	7/5/2019
								Subtotal:	10		817		
				Performance Measure			**Total (Capital + Support):**		**$827**				
				32.5 Lane Miles									
MOBILITY													
10	R3.2/R5.3	In the cities of Calimesa and Beaumont, from Cherry Valley Boulevard to 14th Street/ San Timoteo Canyon Road; also on Routes 60 and 86 at various locations. Install Changeable Message Signs.	3002T	1F920	0815000059	201.315	2018/19	RW:	10	PA&ED:	425	PA&ED:	7/17/2017
								Const:	3,228	PS&E:	450	RW Cert:	7/16/2018
										RW:	20	RTL:	9/17/2018
										Con:	550	Begin Con:	4/15/2019
								Subtotal:	3,238		1,445		
				Performance Measure			**Total (Capital + Support):**		**$4,683**				
				6 Field Elements									
60	R0.0/12.2	In and near the city of Riverside, on Route 60 from Milliken Avenue to Routes 60/91/215 Junction; also on Route 91 from Spruce Street to Routes 60/91/215 Junction. Replace transportation wireless communication system with fiber optic infrastructure.	0033R	1C640	0812000339	201.315	2016/17	RW:	7	PA&ED:	174	PA&ED:	7/23/2015
								Const:	1,928	PS&E:	350	RW Cert:	4/1/2016
										RW:	75	RTL:	10/10/2016
										Con:	350	Begin Con:	7/12/2017
								Subtotal:	1,935		949		
				Performance Measure			**Total (Capital + Support):**		**$2,884**				
				24 Field Elements									

Proposed

2016 SHOPP Project List
Riverside
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
91	7.4/15.6	In the cities of Corona and Riverside, from Route 15 to Adams Street; also in Upland and Rancho Cucamonga on Route 210 from Los Angeles County line to east of Etiwanda Avenue. HOV lane operational improvement.	3003Q	1G190	0815000166	201.310	2018/19	RW:	10	PA&ED:	67	PA&ED:	3/26/2018
								Const:	1,112	PS&E:	192	RW Cert:	12/28/2018
										RW:	10	RTL:	2/25/2019
										Con:	324	Begin Con:	4/29/2019
								Subtotal:	1,122		593		
				Performance Measure				**Total (Capital + Support):**	**$1,715**				
				341 1000 Vehicle									

ROADSIDE PRESERVATION

10	6.0/70.0	In Riverside County, on Routes 10, 62, 74, 86, 86S, 111 and 95 at various locations. Advance Mitigation. (Financial Contribution Only) (G13 Contingency Project)	3002Q	1F560	0814000249	201.240	2018/19	RW:	7,600	PA&ED:	150	PA&ED:	1/16/2018
								Const:	0	PS&E:	0	RW Cert:	12/31/1899
										RW:	15	RTL:	4/15/2019
										Con:	0	Begin Con:	12/31/1899
								Subtotal:	7,600		165		
				Performance Measure				**Total (Capital + Support):**	**$7,765**				
				30 Location(s)									

RW:	11,895	PA&ED:	28,730
Const:	298,150	PS&E:	47,494
		RW:	5,232
		Con:	42,169
Subtotal:	310,045		123,625

Riverside County Total (Capital + Support): $433,670

Proposed

2016 SHOPP Project List
Sacramento
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
5	0.1/34.6	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.	5850	4F640	0314000232	201.015	2018/19	RW: 15 Const: 2,280	PA&ED: 335 PS&E: 565 RW: 115 Con: 295	PA&ED: 6/1/2017 RW Cert: 9/1/2018 RTL: 10/1/2018 Begin Con: 5/1/2019
								Subtotal: 2,295	1,310	
				Performance Measure 8 Collisions Reduced				**Total (Capital + Support): $3,605**		
5	33.7	Near the city of Sacramento, at the Elkhorn Safety Roadside Rest Area (SRRA). Upgrade potable water and wastewater systems.	5848	4F580	0314000186	201.235	2018/19	RW: 4 Const: 3,000	PA&ED: 380 PS&E: 370 RW: 50 Con: 810	PA&ED: 9/9/2017 RW Cert: 9/1/2018 RTL: 9/9/2018 Begin Con: 4/15/2019
								Subtotal: 3,004	1,610	
				Performance Measure 1 Location(s)				**Total (Capital + Support): $4,614**		
50	L0.3/L2.4	In the city of Sacramento, from Route 5 to Route 51; also, on Route 51 from Route 50 to east of Arden Way (PM 0.0/4.2). Upgrade guardrail to current standards.	6241	4F610	0314000229	201.015	2017/18	RW: 20 Const: 3,000	PA&ED: 200 PS&E: 480 RW: 20 Con: 650	PA&ED: 2/2/2017 RW Cert: 2/1/2018 RTL: 2/1/2018 Begin Con: 1/2/2020
								Subtotal: 3,020	1,350	
				Performance Measure 8 Collisions Reduced				**Total (Capital + Support): $4,370**		

Proposed

2016 SHOPP Project List
Sacramento
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
50	R7.5/19.6	Near Sacramento, from 0.2 mile west of Bradshaw Road to 0.3 mile east of Prarie City Road at various locations. Pave narrow areas, install vegetation control and construct roadside signs.	6235	3F930	0313000240	201.235	2016/17	RW: 0 Const: 1,250	PA&ED: PS&E: RW: Con:	118 200 30 400	PA&ED: RW Cert: RTL: Begin Con:	10/19/2015 11/10/2016 11/25/2016 5/3/2017
								Subtotal:		748			
				Performance Measure 14 Location(s)				**Total (Capital + Support):**		**$1,998**			

BRIDGE PRESERVATION

12	0.0/0.4	In Sacramento and Solano counties, near Rio Vista at the Sacramento River Bridge No. 23-0024. Clean and repaint steel surfaces.	5959	3F570	0313000139	201.110	2016/17	RW: 6 Const: 19,220	PA&ED: PS&E: RW: Con:	461 635 55 2,328	PA&ED: RW Cert: RTL: Begin Con:	3/1/2016 2/1/2017 3/1/2017 10/1/2017
								Subtotal:		3,479			
				Performance Measure 1 Bridge(s)				**Total (Capital + Support):**		**$22,705**			
51	VAR	In the city of Sacramento, on various routes at various locations. Seismic retrofit four structures.	6707	4F100	0314000024	201.113	2019/20	RW: 60 Const: 3,900	PA&ED: PS&E: RW: Con:	480 1,070 80 1,100	PA&ED: RW Cert: RTL: Begin Con:	9/1/2017 8/1/2019 9/15/2019 3/1/2020
								Subtotal:		2,730			
				Performance Measure 4 Bridge(s)				**Total (Capital + Support):**		**$6,690**			

Proposed

2016 SHOPP Project List
Sacramento
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
99	4.9	On Route 99, at Lagoon Creek Bridge No. 24-0045L; also on Route 160 (PM 44.5) at American River Bridge No. 24-0001L. Scour mitigation.	6916	3F540	0313000136	201.111	2017/18	RW:	450	PA&ED:	298	PA&ED:	6/1/2016
								Const:	4,747	PS&E:	586	RW Cert:	2/1/2018
										RW:	22	RTL:	2/15/2018
										Con:	1,059	Begin Con:	10/1/2018
								Subtotal:	5,197		1,965		
				Performance Measure				**Total (Capital + Support):**	**$7,162**				
				2 Bridge(s)									
99	7.4/8.4	Near Elk Grove, at Dillard Road Overcrossing Bridge No. 24-0163, Consumnes River Overflow Bridge No. 24 -0021R/L, and Consumnes River Overflow Bridge No. 24-0020R/L. Bridge seismic retrofit.	6912	0F280	0312000069	201.112	2016/17	RW:	2,600	PA&ED:	1,700	PA&ED:	2/25/2015
								Const:	12,000	PS&E:	3,500	RW Cert:	9/1/2017
										RW:	600	RTL:	10/1/2017
										Con:	3,500	Begin Con:	4/15/2018
								Subtotal:	14,600		9,300		
				Performance Measure				**Total (Capital + Support):**	**$23,900**				
				5 Linear Feet									
160	20.9	In the city of Sacramento, at Sacramento River Bridge No. 24-0053 and North Sacramento Undercrossing No. 24-0111L; also in San Joaquin County, at Mokelumne River Bridge No. 29-0197R/L. Seismic retrofit.	5832	3F090	0312000056	201.113	2017/18	RW:	300	PA&ED:	405	PA&ED:	6/1/2016
								Const:	0	PS&E:	3,000	RW Cert:	3/2/2018
										RW:	200	RTL:	4/23/2018
										Con:	0	Begin Con:	10/3/2018
		(G13 Contingency Project)						Subtotal:	300		3,605		
				Performance Measure				**Total (Capital + Support):**	**$3,905**				
				4 Bridge(s)									

Proposed

2016 SHOPP Project List
Sacramento
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
ROADWAY PRESERVATION										
5	14.9/24.9	In the city of Sacramento, from Consumnes River Boulevard to the American River Bridge. Roadway rehabilitation. (G13 Contingency Project)	5854	0H100	0315000076	201.120	2018/19	RW: 4,000 Const: 0	PA&ED: 6,000 PS&E: 14,000 RW: 2,000 Con: 0	PA&ED: 4/1/2017 RW Cert: 6/1/2018 RTL: 7/1/2018 Begin Con: 2/1/2019
				Performance Measure 53 Lane Miles				Subtotal: 4,000 **Total (Capital + Support):** **$26,000**	22,000	
80	M1.2/R11.3	In and near the city of Sacramento, from west of West El Camino Avenue to east of Route 244. Pavement rehabilitation.	6711	0H470	0315000197	201.121	2018/19	RW: 25 Const: 10,515	PA&ED: 550 PS&E: 1,110 RW: 105 Con: 2,000	PA&ED: 10/3/2017 RW Cert: 12/11/2018 RTL: 1/11/2019 Begin Con: 7/15/2019
				Performance Measure 16 Lane Miles				Subtotal: 10,540 **Total (Capital + Support):** **$14,305**	3,765	
99	0.2/1.6	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. (G13 Contingency Project)	6924	0H480	0315000198	201.121	2018/19	RW: 22 Const: 0	PA&ED: 850 PS&E: 1,700 RW: 80 Con: 0	PA&ED: 6/1/2017 RW Cert: 9/1/2018 RTL: 10/1/2018 Begin Con: 4/15/2019
				Performance Measure 67.8 Lane Miles				Subtotal: 22 **Total (Capital + Support):** **$2,652**	2,630	

Proposed

2016 SHOPP Project List
Sacramento
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
160	L4.2/L10.8	In Isleton, from 1.4 miles south of Sherman Island Levee Road to Route 12. Rehabilitate pavement.	7279	0F320	0300020595	201.121	2016/17	RW:	0	PA&ED:	420	PA&ED:	8/26/2015
								Const:	5,072	PS&E:	570	RW Cert:	6/1/2016
										RW:	20	RTL:	7/1/2016
										Con:	1,100	Begin Con:	3/1/2017
								Subtotal:	5,072		2,110		
				Performance Measure			**Total (Capital + Support):**		**$7,182**				
				12.8 Lane Miles									
MOBILITY													
5	16.1/26.7	In Sacramento, from Pocket Road Overcrossing to Route 5/80 Separation. Install fiber optic cable.	5846	4F450	0314000164	201.315	2016/17	RW:	600	PA&ED:	540	PA&ED:	4/15/2016
								Const:	0	PS&E:	900	RW Cert:	12/1/2016
										RW:	440	RTL:	1/4/2017
		(G13 Contingency Project)								Con:	0	Begin Con:	8/1/2019
								Subtotal:	600		1,880		
				Performance Measure			**Total (Capital + Support):**		**$2,480**				
				10 Miles of Cable									
5	33.1	Near the city of Sacramento, at 0.3 mile north of Airport Boulevard. Rehabilitate weigh-in-motion station.	5852	4F400	0314000159	201.321	2018/19	RW:	6	PA&ED:	210	PA&ED:	2/15/2018
								Const:	0	PS&E:	240	RW Cert:	8/8/2018
										RW:	25	RTL:	8/15/2018
		(G13 Contingency Project)								Con:	0	Begin Con:	2/15/2019
								Subtotal:	6		475		
				Performance Measure			**Total (Capital + Support):**		**$481**				
				1 Location(s)									

Proposed

2016 SHOPP Project List
Sacramento
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
50	L0.0/R5.1	In Sacramento, from Yolo County line to 0.2 mile west of Watt Avenue Overcrossing. Install fiber optic cable.	6239	4F460	0314000165	201.315	2017/18	RW:	800	PA&ED:	400	PA&ED:	2/1/2016
								Const:	6,000	PS&E:	700	RW Cert:	9/1/2017
										RW:	400	RTL:	10/1/2017
										Con:	1,200	Begin Con:	4/1/2018
								Subtotal:	6,800		2,700		
				Performance Measure				**Total (Capital + Support):**	**$9,500**				
				8 Miles of Cable									
50	R2.6/R3.8	In the city of Sacramento, from 65th Street to east of Howe Avenue. Construct westbound auxiliary lane.	6200	1F190	0300001105	201.310	2018/19	RW:	6	PA&ED:	155	PA&ED:	2/1/2017
								Const:	3,080	PS&E:	265	RW Cert:	3/1/2019
										RW:	4	RTL:	4/1/2019
										Con:	420	Begin Con:	10/1/2019
								Subtotal:	3,086		844		
				Performance Measure				**Total (Capital + Support):**	**$3,930**				
				32 1000 Vehicle									
50	R3.5	In the city of Sacramento, at Hornet Drive eastbound off-ramp. Widen ramp, add signal and right-turn lane.	6242	0H580	0315000211	201.310	2018/19	RW:	130	PA&ED:	250	PA&ED:	11/11/2016
								Const:	1,300	PS&E:	450	RW Cert:	7/2/2018
										RW:	130	RTL:	7/7/2018
										Con:	460	Begin Con:	1/2/2019
								Subtotal:	1,430		1,290		
				Performance Measure				**Total (Capital + Support):**	**$2,720**				
				1000 1000 Vehicle									

Proposed

2016 SHOPP Project List
Sacramento
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
80	15.2/17.0	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.	6712	0H530	0315000203	201.321	2018/19	RW:	50	PA&ED:	350	PA&ED:	10/1/2017
								Const:	3,700	PS&E:	600	RW Cert:	9/1/2018
										RW:	100	RTL:	10/1/2018
										Con:	740	Begin Con:	4/1/2019
								Subtotal:	3,750		1,790		
				Performance Measure			**Total (Capital + Support):**		**$5,540**				
				1 Location(s)									
80	M0.1/18.0	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.	6713	0H540	0315000204	201.315	2019/20	RW:	50	PA&ED:	1,200	PA&ED:	7/1/2018
								Const:	12,200	PS&E:	1,200	RW Cert:	9/1/2019
										RW:	300	RTL:	10/1/2019
										Con:	1,800	Begin Con:	3/1/2020
								Subtotal:	12,250		4,500		
				Performance Measure			**Total (Capital + Support):**		**$16,750**				
				18.4 Field Elements									
99	15.7/23.8	In Sacramento and Placer Counties, on Routes 51, 65 and 99 at various locations. Install ramp meters.	6913	0F350	0313000031	201.315	2016/17	RW:	30	PA&ED:	1,000	PA&ED:	12/28/2015
								Const:	0	PS&E:	2,100	RW Cert:	11/01/2016
										RW:	1,000	RTL:	11/15/2016
		(G13 Contingency Project)								Con:	0	Begin Con:	06/01/2017
								Subtotal:	30		4,100		
				Performance Measure			**Total (Capital + Support):**		**$4,130**				
				15 Miles of Cable									

Proposed

2016 SHOPP Project List
Sacramento
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 9,174	PA&ED: 16,302	
								Const: 91,264	PS&E: 34,241	
									RW: 5,776	
									Con: 17,862	
								Subtotal: 100,438	74,181	

Sacramento County Total (Capital + Support): $174,619

Proposed

2016 SHOPP Project List
San Benito
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
25	R25.9/R26.2	Near Hollister, from 0.1 mile south of La Gloria Road to 0.2 mile north of La Gloria Road. Realign roadway.	2379	1C260	0512000108	201.015	2017/18	RW:	180	PA&ED:	1,044	PA&ED:	10/3/2016
								Const:	1,580	PS&E:	1,207	RW Cert:	2/1/2018
										RW:	193	RTL:	3/23/2018
										Con:	539	Begin Con:	9/11/2018
								Subtotal:	1,760		2,983		
				Performance Measure			**Total (Capital + Support):**		**$4,743**				
				3 Collisions Reduced									
25	R49.9/R52.2	In and near Hollister, from Sunnyslope/Tres Pinos Road to San Felipe Road. Roadway safety improvements.	2514	1F430	0513000151	201.015	2017/18	RW:	208	PA&ED:	284	PA&ED:	1/29/2016
								Const:	6,720	PS&E:	1,126	RW Cert:	2/5/2018
										RW:	156	RTL:	4/9/2018
										Con:	741	Begin Con:	9/20/2018
								Subtotal:	6,928		2,307		
				Performance Measure			**Total (Capital + Support):**		**$9,235**				
				3 Collisions Reduced									
								RW:	388	PA&ED:	1,328		
								Const:	8,300	PS&E:	2,333		
										RW:	349		
										Con:	1,280		
								Subtotal:	8,688		5,290		

San Benito County Total (Capital + Support): $13,978

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MAJOR DAMAGE RESTORATION										
330	39.6/39.7	Near Running Springs, between Route 210 and Route 18. Replace culverts.	3001A	1F830	0815000055	201.131	2016/17	RW: 10 Const: 2,345	PA&ED: 400 PS&E: 300 RW: 25 Con: 345	PA&ED: 5/1/2016 RW Cert: 5/1/2017 RTL: 6/16/2017 Begin Con: 1/15/2018
				Performance Measure 1 Location(s)				Subtotal: 2,355 **Total (Capital + Support): $3,425**	1,070	
COLLISION REDUCTION										
10	26.8/27.3	In Loma Linda, from Richardson Street to Sterling Avenue. Roadside safety improvements.	3003A	1C260	0812000273	201.235	2019/20	RW: 7 Const: 1,150	PA&ED: 217 PS&E: 240 RW: 27 Con: 223	PA&ED: 12/21/2018 RW Cert: 11/27/2019 RTL: 12/31/2019 Begin Con: 6/16/2020
				Performance Measure 67 Location(s)				Subtotal: 1,157 **Total (Capital + Support): $1,864**	707	
10	27.3/28.3	In Redlands, from Mountain View Avenue to California Street. Gore and slope paving, construct access roads and maintenance vehicle pull outs, vegetation control under guardrail systems, remove dead plant material and relocate electrical and irrigation systems.	3003C	1C270	0812000272	201.235	2018/19	RW: 7 Const: 1,899	PA&ED: 358 PS&E: 417 RW: 43 Con: 362	PA&ED: 1/31/2018 RW Cert: 1/18/2019 RTL: 3/22/2019 Begin Con: 8/23/2019
				Performance Measure 69 Location(s)				Subtotal: 1,906 **Total (Capital + Support): $3,086**	1,180	

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
10	3.2/3.9	In Upland, from west of Route 83 (Euclid Avenue) to east of Sultana Avenue. Roadside safety improvements.	3002X	1C240	0812000275	201.235	2018/19	RW:	7	PA&ED:	290	PA&ED:	3/28/2017
								Const:	1,492	PS&E:	338	RW Cert:	2/22/2018
										RW:	35	RTL:	7/12/2018
										Con:	294	Begin Con:	3/7/2019
								Subtotal:	1,499		957		
				Performance Measure			**Total (Capital + Support):**		**$2,456**				
				79 Location(s)									
10	30.0/30.9	In Redlands, from east of Tennessee Street to Route 38 (Orange Street). Roadside safety improvements.	3003F	1C290	0812000278	201.235	2019/20	RW:	7	PA&ED:	256	PA&ED:	1/11/2019
								Const:	1,626	PS&E:	299	RW Cert:	12/13/2019
										RW:	32	RTL:	1/24/2020
										Con:	281	Begin Con:	7/14/2020
								Subtotal:	1,633		868		
				Performance Measure			**Total (Capital + Support):**		**$2,501**				
				81 Location(s)									
10	31.7/32.9	In Redlands, from west of University Avenue to west of Ford Street. Roadside safety improvements.	3003E	1C280	0812000271	201.235	2019/20	RW:	7	PA&ED:	256	PA&ED:	12/28/2018
								Const:	1,626	PS&E:	299	RW Cert:	11/15/2019
										RW:	32	RTL:	1/10/2020
										Con:	281	Begin Con:	7/1/2020
								Subtotal:	1,633		868		
				Performance Measure			**Total (Capital + Support):**		**$2,501**				
				76 Location(s)									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
10	34.2/R39.1	In Redlands and Yucaipa, from Wabash Avenue to County Line Road. Construct roadside safety improvements.	3001U	1C300	0812000270	201.235	2019/20	RW:	7	PA&ED:	358	PA&ED:	1/25/2019
								Const:	1,899	PS&E:	417	RW Cert:	12/31/2019
										RW:	43	RTL:	2/28/2020
										Con:	362	Begin Con:	8/31/2020
								Subtotal:	1,906		1,180		
				Performance Measure			**Total (Capital + Support):**		**$3,086**				
				120 Location(s)									
10	5.9/6.4	In Ontario, from 0.2 mile west to 0.3 mile east of Vineyard Avenue. Roadside safety improvements.	3002Y	1C250	0812000274	201.235	2018/19	RW:	7	PA&ED:	256	PA&ED:	4/11/2017
								Const:	1,316	PS&E:	298	RW Cert:	3/16/2018
										RW:	31	RTL:	8/24/2018
										Con:	259	Begin Con:	3/20/2019
								Subtotal:	1,323		844		
				Performance Measure			**Total (Capital + Support):**		**$2,167**				
				56 Location(s)									
10	R21.6/R23.6	In Colton, from west of Rancho Avenue to Warm Creek Bridge. Roadway safety improvements.	3001T	1C330	0812000282	201.235	2019/20	RW:	7	PA&ED:	354	PA&ED:	2/16/2018
								Const:	2,203	PS&E:	417	RW Cert:	1/18/2019
										RW:	43	RTL:	7/12/2019
										Con:	362	Begin Con:	3/11/2020
								Subtotal:	2,210		1,176		
				Performance Measure			**Total (Capital + Support):**		**$3,386**				
				110 Location(s)									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
15	37.8/40.2	In Victorville, from Bear Valley Road to Palmdale Road (Route 18). Install northbound outer separation barrier.	0178R	1E010	0813000117	201.010	2016/17	RW:	10	PA&ED:	373	PA&ED:	5/18/2015
								Const:	1,582	PS&E:	1,015	RW Cert:	5/5/2016
										RW:	17	RTL:	6/15/2016
										Con:	976	Begin Con:	12/19/2016
								Subtotal:	1,592		2,381		
				Performance Measure				**Total (Capital + Support):**	**$3,973**				
				24 Collisions Reduced									
15	R96.1/R124.3	Near Barstow, from Harvard Road to Rasor Road. Re-grade and flatten median cross slope.	3002E	1C720	0813000003	201.015	2019/20	RW:	10	PA&ED:	890	PA&ED:	9/12/2017
								Const:	12,248	PS&E:	920	RW Cert:	9/30/2019
										RW:	50	RTL:	10/30/2019
										Con:	3,160	Begin Con:	7/22/2020
								Subtotal:	12,258		5,020		
				Performance Measure				**Total (Capital + Support):**	**$17,278**				
				87 Collisions Reduced									
18	101.5/115.9	In and near Adelanto, from Route 395 to west of Oasis Road. Widen shoulders and add centerline and shoulder rumble strips.	0191G	0P390	0800001025	201.010	2017/18	RW:	7,248	PA&ED:	3,101	PA&ED:	12/1/2015
								Const:	25,475	PS&E:	2,060	RW Cert:	3/15/2018
										RW:	6,599	RTL:	4/16/2018
										Con:	4,055	Begin Con:	11/1/2018
								Subtotal:	32,723		15,815		
				Performance Measure				**Total (Capital + Support):**	**$48,538**				
				20 Collisions Reduced									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
18	24.9/29.9	Near Lake Arrowhead, from east of Route 173 to Nob Hill Drive. Install guardrail.	0182G	1C010	0812000236	201.015	2016/17	RW:	30	PA&ED:	300	PA&ED:	1/29/2016
								Const:	2,037	PS&E:	562	RW Cert:	1/31/2017
										RW:	45	RTL:	2/24/2017
										Con:	375	Begin Con:	9/22/2017
								Subtotal:	2,067		1,282		
				Performance Measure			**Total (Capital + Support):**		**$3,349**				
				6 Collisions Reduced									
18	75.5/87.6	Near Apple Valley and Lucerne Valley, from Custer Avenue to Pauhaska Road. Install ground-in rumble strips.	0190H	1E020	0813000118	201.010	2016/17	RW:	0	PA&ED:	216	PA&ED:	2/23/2015
								Const:	482	PS&E:	309	RW Cert:	1/15/2016
										RW:	3	RTL:	2/1/2016
										Con:	123	Begin Con:	8/15/2016
								Subtotal:	482		651		
				Performance Measure			**Total (Capital + Support):**		**$1,133**				
				50 Collisions Reduced									
18	88.9/89.6	In Apple Valley, from Navajo Road to Kiowa Road. Construct raised median curb.	0190N	1E080	0813000142	201.010	2016/17	RW:	8	PA&ED:	267	PA&ED:	7/28/2015
								Const:	1,290	PS&E:	464	RW Cert:	8/5/2016
										RW:	38	RTL:	9/15/2016
										Con:	933	Begin Con:	3/21/2017
								Subtotal:	1,298		1,702		
				Performance Measure			**Total (Capital + Support):**		**$3,000**				
				10 Collisions Reduced									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
18	99.4/100.9	In Victorville, from Cobalt Road to Route 395. Construct raised curb median.	0191J	0Q120	0800020125	201.010	2017/18	RW:	30	PA&ED:	1,123	PA&ED:	3/4/2016
								Const:	9,101	PS&E:	1,297	RW Cert:	1/12/2018
										RW:	164	RTL:	2/12/2018
										Con:	1,212	Begin Con:	9/7/2018
								Subtotal:	9,131		3,796		
				Performance Measure			**Total (Capital + Support):**		**$12,927**				
				15 Collisions Reduced									
18	R11.5/R12.0	In and near the city of San Bernardino, from 2.4 miles to 2.9 miles north of Waterman Canyon Road; also from 1.7 miles north of Waterman Canyon Undercrossing to 1.0 mile south of Route 18/138 Separation (PM R15.0/R16.7).	0179J	1F010	0814000151	201.010	2016/17	RW:	10	PA&ED:	155	PA&ED:	9/17/2015
								Const:	3,433	PS&E:	447	RW Cert:	8/16/2016
										RW:	8	RTL:	9/15/2016
										Con:	189	Begin Con:	3/17/2017
								Subtotal:	3,443		799		
				Performance Measure			**Total (Capital + Support):**		**$4,242**				
				104 Collisions Reduced									
38	8.5/15.0	Near Yucaipa, from Bryant Street to Valley of the Falls Drive. Construct rumble strips.	3004H	1F910	0815000065	201.010	2016/17	RW:	10	PA&ED:	179	PA&ED:	2/25/2016
								Const:	466	PS&E:	341	RW Cert:	10/19/2016
										RW:	27	RTL:	11/14/2016
										Con:	182	Begin Con:	5/1/2017
								Subtotal:	476		729		
				Performance Measure			**Total (Capital + Support):**		**$1,205**				
				18 Collisions Reduced									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
40	R125.0/R154.6	In and near Needles, from 4.5 miles east of Homer Wash to Arizona state line. Regrade and flatten median cross slope.	3003J	0R142	0815000201	201.015	2019/20	RW:	5,006	PA&ED:	2,900	PA&ED:	2/28/2019
								Const:	19,134	PS&E:	2,300	RW Cert:	4/30/2020
										RW:	200	RTL:	5/29/2020
										Con:	2,800	Begin Con:	12/31/2020
								Subtotal:	24,140		8,200		
				Performance Measure				**Total (Capital + Support):**	**$32,340**				
				88 Collisions Reduced									
40	R50.0/R75.0	Near Ludlow, from Crucero Road to Banger Wash. Regrade median cross-slope.	0206Y	0R160	0812000029	201.015	2016/17	RW:	2,065	PA&ED:	3,130	PA&ED:	8/15/2016
								Const:	26,203	PS&E:	2,157	RW Cert:	4/28/2017
										RW:	190	RTL:	5/31/2017
										Con:	3,000	Begin Con:	12/29/2017
								Subtotal:	28,268		8,477		
				Performance Measure				**Total (Capital + Support):**	**$36,745**				
				75 Collisions Reduced									
40	R75.0/R100.0	Near Essex, from west of Kelbaker Road to Essex Road. Re-grade and flatten median cross slope.	3001R	0R150	0812000025	201.015	2019/20	RW:	5,010	PA&ED:	3,000	PA&ED:	1/31/2019
								Const:	21,178	PS&E:	2,500	RW Cert:	3/30/2020
										RW:	200	RTL:	4/30/2020
										Con:	3,200	Begin Con:	11/30/2020
								Subtotal:	26,188		8,900		
				Performance Measure				**Total (Capital + Support):**	**$35,088**				
				239 Collisions Reduced									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
60	R0.0/R1.9	In Chino, from the Los Angeles County line to Monte Vista Avenue. Roadside safety improvements.	0218H	1C180	0812000267	201.235	2016/17	RW:	7	PA&ED:	216	PA&ED:	9/8/2015
								Const:	1,321	PS&E:	258	RW Cert:	7/22/2016
										RW:	27	RTL:	9/8/2016
										Con:	231	Begin Con:	2/17/2017
								Subtotal:	1,328		732		
				Performance Measure			**Total (Capital + Support):**		**$2,060**				
				115 Location(s)									
60	R1.9/R2.9	In Chino, from Monte Vista Avenue to Benson Avenue. Roadside safety improvements.	0033Q	1C170	0812000266	201.235	2016/17	RW:	7	PA&ED:	223	PA&ED:	9/8/2015
								Const:	1,558	PS&E:	274	RW Cert:	8/15/2016
										RW:	43	RTL:	9/23/2016
										Con:	196	Begin Con:	2/10/2017
								Subtotal:	1,565		736		
				Performance Measure			**Total (Capital + Support):**		**$2,301**				
				128 Location(s)									
60	R2.9/R4.1	In Chino, from Benson Avenue to San Antonio Avenue. Roadside safety improvements.	0219F	1C190	0812000268	201.235	2016/17	RW:	7	PA&ED:	216	PA&ED:	9/23/2015
								Const:	1,321	PS&E:	258	RW Cert:	7/21/2016
										RW:	27	RTL:	9/19/2016
										Con:	231	Begin Con:	3/16/2017
								Subtotal:	1,328		732		
				Performance Measure			**Total (Capital + Support):**		**$2,060**				
				120 Location(s)									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
62	41.0/41.5	Near Twentynine Palms, from east of Godwin Road to west of Shelton Road; also at various locations. Widen shoulders and construct rumble strips.	0225K	1E610	0814000055	201.010	2017/18	RW:	160	PA&ED:	690	PA&ED:	9/15/2016
								Const:	3,002	PS&E:	700	RW Cert:	10/13/2017
										RW:	575	RTL:	12/15/2017
										Con:	610	Begin Con:	7/16/2018
								Subtotal:	3,162		2,575		
				Performance Measure			**Total (Capital + Support):**		**$5,737**				
				36 Collisions Reduced									
95	17.0/66.0	Near Vidal Junction and Needles, from north of Route 62 to north of Goffs Road. Construct shoulders and install ground-in rumble strips.	0238T	1E580	0814000052	201.010	2016/17	RW:	10	PA&ED:	542	PA&ED:	3/30/2017
								Const:	2,960	PS&E:	748	RW Cert:	4/2/2018
										RW:	10	RTL:	5/15/2018
										Con:	1,100	Begin Con:	11/16/2018
								Subtotal:	2,970		2,400		
				Performance Measure			**Total (Capital + Support):**		**$5,370**				
				33 Collisions Reduced									
127	28.0/R28.5	Near Baker, 28.0 miles north of Route 15 to south of Saratoga Springs Road. Construct shoulders and install ground-in rumble strips.	0216N	1E550	0814000049	201.010	2017/18	RW:	10	PA&ED:	579	PA&ED:	8/1/2016
								Const:	1,000	PS&E:	444	RW Cert:	10/3/2017
										RW:	54	RTL:	12/1/2017
										Con:	389	Begin Con:	8/1/2018
								Subtotal:	1,010		1,466		
				Performance Measure			**Total (Capital + Support):**		**$2,476**				
				11 Collisions Reduced									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
247	39.5/40.0	Near Lucerne Valley, from east of Joshua Avenue to west of Camp Rock Road. Construct shoulders and install ground-in rumble strips.	0253M	1E560	0814000050	201.010	2017/18	RW:	10	PA&ED:	562	PA&ED:	8/1/2016
								Const:	600	PS&E:	714	RW Cert:	10/2/2017
										RW:	56	RTL:	12/1/2017
										Con:	413	Begin Con:	8/1/2018
								Subtotal:	610		1,745		
				Performance Measure			**Total (Capital + Support):**		**$2,355**				
				26 Collisions Reduced									
395	35.5/39.1	Near Adelanto, from 1.0 mile south of Kramer Hills to 2.6 miles north of Kramer Hills. Widen median and shoulders; contract rumble strips.	0358P	0N972	0815000102	201.010	2017/18	RW:	1,103	PA&ED:	1,987	PA&ED:	5/20/2016
								Const:	13,570	PS&E:	2,278	RW Cert:	5/22/2018
										RW:	2,026	RTL:	5/23/2018
										Con:	3,467	Begin Con:	1/15/2019
								Subtotal:	14,673		9,758		
				Performance Measure			**Total (Capital + Support):**		**$24,431**				
				7 Collisions Reduced									
395	39.0/45.9	Near Adelanto, from 2.5 miles north of Kramer Hills to Route 58. Widen median and shoulders; construct rumble strips.	0258P	0N971	0815000101	201.010	2016/17	RW:	2,754	PA&ED:	2,697	PA&ED:	6/30/2015
								Const:	27,347	PS&E:	2,032	RW Cert:	5/12/2017
										RW:	2,086	RTL:	6/23/2017
										Con:	3,741	Begin Con:	3/16/2018
								Subtotal:	30,101		10,556		
				Performance Measure			**Total (Capital + Support):**		**$40,657**				
				13 Collisions Reduced									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
MANDATES													
18	44.5/52.8	In and near Big Bear Lake, from Route 38 to Gildart Drive. Sediment stabilization and erosion control.	0186F	1C560	0812000331	201.335	2016/17	RW:	202	PA&ED:	472	PA&ED:	7/14/2016
								Const:	3,686	PS&E:	590	RW Cert:	3/22/2017
										RW:	59	RTL:	6/22/2017
										Con:	845	Begin Con:	2/8/2018
								Subtotal:	3,888		1,966		
				Performance Measure				**Total (Capital + Support):**	**$5,854**				
				119 Acres									
38	50.4/59.4	At Big Bear Dam, from Eagle Mountain Drive to Route 18. Sediment control and stabilization.	0206U	0R430	0812000075	201.335	2016/17	RW:	39	PA&ED:	325	PA&ED:	7/14/2016
								Const:	2,195	PS&E:	220	RW Cert:	3/22/2017
										RW:	5	RTL:	6/22/2017
										Con:	480	Begin Con:	2/8/2018
								Subtotal:	2,234		1,030		
				Performance Measure				**Total (Capital + Support):**	**$3,264**				
				110 Acres									
71	R6.9/R7.8	In Chino and Chino Hills, from Euclid Avenue to Pine Avenue. Sediment stabilization and erosion control.	0234V	1C600	0812000335	201.335	2016/17	RW:	7	PA&ED:	164	PA&ED:	6/24/2015
								Const:	944	PS&E:	205	RW Cert:	4/12/2016
										RW:	20	RTL:	8/12/2016
										Con:	294	Begin Con:	2/13/2017
								Subtotal:	951		683		
				Performance Measure				**Total (Capital + Support):**	**$1,634**				
				20 Acres									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
142	3.9/5.7	In Chino Hills, from Rustic Drive to Route 71. Construct sidewalks and upgrade curb ramps and other pedestrian facilities.	0242K	0L710	0800000431	201.378	2017/18	RW:	153	PA&ED:	0	PA&ED:	8/31/2011
								Const:	1,443	PS&E:	1,226	RW Cert:	5/1/2017
										RW:	135	RTL:	5/15/2017
										Con:	298	Begin Con:	1/8/2018
								Subtotal:	1,596		1,659		
				Performance Measure			**Total (Capital + Support):**		**$3,255**				
				75 Structure(s)									

BRIDGE PRESERVATION

2	2.2/2.7	Near Wrightwood, at Sheep Creek Bridge No. 54-0360. Upgrade bridge railing.	0127J	0H470	0812000074	201.112	2017/18	RW:	5	PA&ED:	324	PA&ED:	1/20/2016
								Const:	2,731	PS&E:	611	RW Cert:	9/11/2017
										RW:	36	RTL:	11/6/2017
										Con:	609	Begin Con:	4/12/2018
								Subtotal:	2,736		1,580		
				Performance Measure			**Total (Capital + Support):**		**$4,316**				
				120 Linear Feet									
10	R23.8	In Colton, between Mt. Vernon Avenue and Routes 10/215 Junction at Santa Ana River (Bridge No. 54-0292L/R and 54-0292G). Seismic retrofit. (G13 Contingency Project)	0133N	0Q910	0800020580	201.110	2017/18	RW:	13	PA&ED:	1,025	PA&ED:	12/1/2015
								Const:	0	PS&E:	3,300	RW Cert:	8/1/2017
										RW:	64	RTL:	9/29/2017
										Con:	0	Begin Con:	4/16/2018
								Subtotal:	13		4,389		
				Performance Measure			**Total (Capital + Support):**		**$4,402**				
				3 Bridge(s)									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
38	30.9	Near Redlands, at Santa Ana River Bridge No. 54-0407. Rehabilitate bridge and upgrade bridge railing.	0200J	0R340	0812000072	201.110	2017/18	RW:	24	PA&ED:	139	PA&ED:	12/11/2015
								Const:	1,321	PS&E:	369	RW Cert:	5/1/2017
										RW:	45	RTL:	7/31/2017
										Con:	463	Begin Con:	3/8/2018
								Subtotal:	1,345		1,016		
				Performance Measure				**Total (Capital + Support):**	**$2,361**				
				1 Bridge(s)									
40	R134.0	Near Needles, at South Fork Piute Wash Bridge No. 54-0872R. Remove and reconstruct grouted rock slope protection.	3001C	1F280	0814000196	201.119	2016/17	RW:	25	PA&ED:	119	PA&ED:	5/2/2016
								Const:	833	PS&E:	281	RW Cert:	4/2/2017
										RW:	10	RTL:	5/1/2017
										Con:	245	Begin Con:	1/3/2018
								Subtotal:	858		655		
				Performance Measure				**Total (Capital + Support):**	**$1,513**				
				1 Bridge(s)									
60	0.9/2.9	In Chino, at Pipeline Avenue Overcrossing (OC) No. 54-0744, Monte Vista Avenue OC No. 54-0746, and Benson Avenue OC No. 54-0748. Replace bridges.	0033E	0F030	0800020358	201.110	2017/18	RW:	3,912	PA&ED:	1,013	PA&ED:	2/1/2017
								Const:	19,560	PS&E:	2,246	RW Cert:	2/1/2018
										RW:	1,030	RTL:	6/1/2018
										Con:	3,740	Begin Con:	1/17/2019
								Subtotal:	23,472		8,029		
				Performance Measure				**Total (Capital + Support):**	**$31,501**				
				3 Bridge(s)									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
210	R29.3/R33.1	In Redlands and Highland, from north of West Pioneer Avenue to Baseline Street. Bridge maintenance.	3001E	1F270	0814000195	201.119	2016/17	RW:	10	PA&ED:	126	PA&ED:	4/4/2016
								Const:	1,178	PS&E:	453	RW Cert:	4/3/2017
										RW:	10	RTL:	5/2/2017
										Con:	660	Begin Con:	2/1/2018
								Subtotal:	1,188		1,249		
				Performance Measure			**Total (Capital + Support):**		**$2,437**				
				15 Bridge(s)									
215	2.4/3.0	In Colton, from 0.3 mile south to 0.3 north of Washington Avenue Overcrossing No. 54 -0530. Replace overcrossing. (G13 Contingency Project)	3002S	1F730	0815000034	201.110	2019/20	RW:	3,726	PA&ED:	1,125	PA&ED:	12/1/2017
								Const:	0	PS&E:	2,870	RW Cert:	9/6/2019
										RW:	296	RTL:	2/21/2020
										Con:	0	Begin Con:	6/12/2020
								Subtotal:	3,726		4,291		
				Performance Measure			**Total (Capital + Support):**		**$8,017**				
				1 Bridge(s)									
330	32.5/33.7	Near Highland, at City Creek Bridge No. 54 -365, and at East Fork City Creek Bridge No. 54-345. Replace bridge rail and approach rail. (G13 Contingency Project)	0256C	38852	0812000124	201.112	2017/18	RW:	10	PA&ED:	490	PA&ED:	2/28/2017
								Const:	0	PS&E:	725	RW Cert:	4/30/2018
										RW:	19	RTL:	5/31/2018
										Con:	0	Begin Con:	12/31/2018
								Subtotal:	10		1,234		
				Performance Measure			**Total (Capital + Support):**		**$1,244**				
				1165 Linear Feet									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
ROADWAY PRESERVATION										
10	30.9/33.3	In Redlands, from Route 38/Orange Street to Ford Street. Rehabilitate roadway.	0159J	0K291	0812000098	201.122	2016/17	RW: 7 Const: 25,055	PA&ED: 0 PS&E: 1,738 RW: 45 Con: 2,623	PA&ED: 9/13/2011 RW Cert: 12/15/2016 RTL: 2/1/2017 Begin Con: 8/15/2017
				Performance Measure 13.6 Lane Miles				Subtotal: 25,062 **Total (Capital + Support): $29,468**	4,406	
10	R36.9/R39.1	Near Redlands, from Live Oak Canyon Road to County Line Road. Rehabilitate roadway.	0163C	0K293	0812000100	201.122	2017/18	RW: 7 Const: 17,144	PA&ED: 0 PS&E: 1,246 RW: 18 Con: 1,725	PA&ED: 9/13/2011 RW Cert: 1/12/2018 RTL: 2/2/2018 Begin Con: 10/19/2018
				Performance Measure 23.5 Lane Miles				Subtotal: 17,151 **Total (Capital + Support): $20,140**	2,989	
15	12.8/14.8	Near Fontana, from Sierra Avenue to Devore Road. Rehabilitate roadway.	3003T	0K121	0815000245	201.122	2019/20	RW: 10 Const: 22,104	PA&ED: 570 PS&E: 900 RW: 10 Con: 2,350	PA&ED: 9/7/2017 RW Cert: 12/10/2019 RTL: 3/2/2020 Begin Con: 11/2/2020
				Performance Measure 16 Lane Miles				Subtotal: 22,114 **Total (Capital + Support): $25,944**	3,830	

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
15	30.8/42.5	In Hesperia and Victorville, from Route 395 to north of Mojave Drive. Rehabilitate roadway. (G13 Contingency Project)	3003U	0K122	0815000244	201.122	2019/20	RW:	10	PA&ED:	900	PA&ED:	9/5/2017
								Const:	0	PS&E:	1,500	RW Cert:	4/6/2020
										RW:	10	RTL:	5/4/2020
										Con:	0	Begin Con:	12/7/2020
								Subtotal:	10		2,410		
				Performance Measure 94.8 Lane Miles				**Total (Capital + Support):**	**$2,420**				
15	64.6/75.3	In Barstow, from Outlet Center Drive to Mojave River Bridge. Rehabilitate pavement.	3003V	0K123	0815000242	201.121	2019/20	RW:	10	PA&ED:	600	PA&ED:	9/7/2017
								Const:	26,798	PS&E:	1,200	RW Cert:	12/10/2019
										RW:	10	RTL:	3/2/2020
										Con:	2,100	Begin Con:	11/2/2020
								Subtotal:	26,808		3,910		
				Performance Measure 64.2 Lane Miles				**Total (Capital + Support):**	**$30,718**				
18	9.1/17.8	Near Crestline, from Arrowhead Springs Road to Route 138. Rehabilitate pavement.	0179G	1C100	0812000288	201.121	2017/18	RW:	5	PA&ED:	396	PA&ED:	6/6/2016
								Const:	12,837	PS&E:	915	RW Cert:	6/15/2017
										RW:	37	RTL:	8/14/2017
										Con:	1,200	Begin Con:	2/21/2018
								Subtotal:	12,842		2,548		
				Performance Measure 34.8 Lane Miles				**Total (Capital + Support):**	**$15,390**				

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
38	47.5/59.4	Near Big Bear Lake, from Zaca Road to Route 18. Replace culverts.	0205C	0G800	0812000111	201.151	2019/20	RW:	697	PA&ED:	600	PA&ED:	9/15/2017
								Const:	2,397	PS&E:	1,040	RW Cert:	11/15/2019
										RW:	1,900	RTL:	3/16/2020
										Con:	800	Begin Con:	5/18/2020
								Subtotal:	3,094		4,340		
				Performance Measure				**Total (Capital + Support):**	**$7,434**				
				43 Drainage System(s)									
60	R0.0/R9.9	In Pomona, Chino and Ontario, from Los Angeles County line to Riverside County line. Replace existing signs with retro-reflective sheeting.	0178P	1F361	0815000160	201.170	2019/20	RW:	10	PA&ED:	125	PA&ED:	9/1/2017
								Const:	1,271	PS&E:	289	RW Cert:	9/3/2019
										RW:	12	RTL:	3/2/2020
										Con:	250	Begin Con:	11/2/2020
								Subtotal:	1,281		676		
				Performance Measure				**Total (Capital + Support):**	**$1,957**				
				68 Lighting Fixtures									
60	R4.6/R10.0	In Ontario, from Euclid Avenue to the Riverside County line; also in Riverside County, from the San Bernardino county line to Mission Boulevard (PM R0.0/R3.0). Rehabilitate roadway. (G13 Contingency Project)	0224N	0Q752	0812000106	201.122	2017/18	RW:	10	PA&ED:	1,519	PA&ED:	1/29/2016
								Const:	0	PS&E:	4,816	RW Cert:	4/18/2017
										RW:	36	RTL:	11/30/2017
										Con:	0	Begin Con:	4/23/2018
								Subtotal:	10		6,371		
				Performance Measure				**Total (Capital + Support):**	**$6,381**				
				87.41 Lane Miles									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
62	121.5/142.7	Near Vidal, from west of Route 95 to Nevada State line; also on Route 95 at various locations. Rehabilitate pavement and upgrade guardrail.	3004A	1F133	0816000003	201.121	2019/20	RW:	65	PA&ED:	400	PA&ED:	5/4/2018
								Const:	8,666	PS&E:	300	RW Cert:	3/6/2020
										RW:	10	RTL:	4/3/2020
										Con:	1,400	Begin Con:	12/4/2020
								Subtotal:	8,731		2,110		
				Performance Measure				**Total (Capital + Support):**	**$10,841**				
				42.4 Lane Miles									
95	64.5/80.5	Near Needles, from Goffs Road to Nevada State line. Rehabilitate pavement.	3003Y	1F132	0815000212	201.121	2019/20	RW:	65	PA&ED:	200	PA&ED:	5/4/2018
								Const:	4,389	PS&E:	150	RW Cert:	3/6/2020
										RW:	10	RTL:	4/9/2020
										Con:	690	Begin Con:	12/4/2020
								Subtotal:	4,454		1,050		
				Performance Measure				**Total (Capital + Support):**	**$5,504**				
				32 Lane Miles									
95	9.7/33.6	Near Needles, from Route 62 to south of Havasu Lake Road. Rehabilitate pavement.	3002V	1F131	0815000211	201.121	2019/20	RW:	65	PA&ED:	450	PA&ED:	5/4/2018
								Const:	9,567	PS&E:	320	RW Cert:	3/6/2020
										RW:	10	RTL:	4/3/2020
										Con:	1,500	Begin Con:	12/4/2020
								Subtotal:	9,632		2,280		
				Performance Measure				**Total (Capital + Support):**	**$11,912**				
				47.8 Lane Miles									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
142	0.0/5.8	In Chino Hills, from Orange County Line to Route 71. Pavement rehabilitation.	0241C	1E850	0814000114	201.121	2017/18	RW:	20	PA&ED:	356	PA&ED:	9/1/2016
								Const:	5,528	PS&E:	570	RW Cert:	9/29/2017
										RW:	36	RTL:	3/1/2018
										Con:	587	Begin Con:	7/16/2018
								Subtotal:	5,548		1,549		
				Performance Measure			**Total (Capital + Support):**		**$7,097**				
				20 Lane Miles									
210	R21.7/R33.2	in San Bernardino County, on Routes 71, 210, 215 and 259 at various locations. Replace existing guide signs with Type XI reflectivity. (G13 Contingency Project)	3005A	1F362	0816000011	201.170	2018/19	RW:	10	PA&ED:	301	PA&ED:	9/4/2017
								Const:	0	PS&E:	614	RW Cert:	2/1/2019
										RW:	32	RTL:	5/1/2019
										Con:	0	Begin Con:	12/2/2019
								Subtotal:	10		947		
				Performance Measure			**Total (Capital + Support):**		**$957**				
				89 Signs									
330	37.1/39.8	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.	3002H	1E780	0814000103	201.150	2018/19	RW:	20	PA&ED:	370	PA&ED:	9/29/2017
								Const:	2,011	PS&E:	400	RW Cert:	7/30/2018
										RW:	20	RTL:	8/30/2018
										Con:	470	Begin Con:	4/2/2019
								Subtotal:	2,031		1,260		
				Performance Measure			**Total (Capital + Support):**		**$3,291**				
				2 Location(s)									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MOBILITY										
60	R7.3/R9.1	In Ontario, from west of Cucamonga Creek to west of Milliken Avenue eastbound off ramp. Construct westbound auxiliary and eastbound deceleration lanes. (G13 Contingency Project)	3004E	0E332	0815000155	201.310	2018/19	RW: 450 Const: 0 Subtotal: 450	PA&ED: 1,684 PS&E: 3,006 RW: 10 Con: 0 Subtotal: 4,700	PA&ED: 12/1/2017 RW Cert: 2/1/2019 RTL: 5/15/2019 Begin Con: 2/17/2020
				Performance Measure 760 1000 Vehicle				**Total (Capital + Support): $5,150**		
60	R8.9/R10.0	In Ontario, from Haven Avenue to Milliken Avenue/Hamner Avenue. Construct auxiliary lane and widen connector and ramps.	3003N	0E331	0815000156	201.310	2019/20	RW: 260 Const: 4,367 Subtotal: 4,627	PA&ED: 1,016 PS&E: 1,164 RW: 10 Con: 1,600 Subtotal: 3,790	PA&ED: 6/1/2018 RW Cert: 8/1/2019 RTL: 2/3/2020 Begin Con: 11/2/2020
				Performance Measure 987 1000 Vehicle				**Total (Capital + Support): $8,417**		
210	10.5/12.7	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 elements.	3003X	1G210	0815000170	201.315	2018/19	RW: 10 Const: 2,295 Subtotal: 2,305	PA&ED: 135 PS&E: 390 RW: 10 Con: 450 Subtotal: 985	PA&ED: 8/25/2017 RW Cert: 11/26/2018 RTL: 2/15/2019 Begin Con: 5/13/2019
				Performance Measure 4 Field Elements				**Total (Capital + Support): $3,290**		

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
215	14.8	Near Devore, at Little League Drive Overcrossing. Upgrade existing Weigh in Motion (WIM) system.	3002K	1E810	0814000107	201.321	2018/19	RW:	10	PA&ED:	190	PA&ED:	5/15/2017
								Const:	1,326	PS&E:	270	RW Cert:	8/1/2018
										RW:	20	RTL:	8/15/2018
										Con:	480	Begin Con:	1/2/2019
								Subtotal:	1,336		960		
				Performance Measure				**Total (Capital + Support):**	**$2,296**				
				1 Location(s)									
ROADSIDE PRESERVATION													
10	2.9/3.8	In the cities of Upland, from San Antonio Avenue to Sultana Avenue. Upgrade irrigation systems.	3002M	1F450	0814000227	201.210	2018/19	RW:	10	PA&ED:	185	PA&ED:	9/15/2017
								Const:	1,541	PS&E:	349	RW Cert:	10/15/2018
										RW:	10	RTL:	12/14/2018
										Con:	392	Begin Con:	6/17/2019
								Subtotal:	1,551		936		
				Performance Measure				**Total (Capital + Support):**	**$2,487**				
				19 Acres									
10	5.9/6.3	In Ontario, from 0.2 mile west to 0.2 mile east of Vineyard Avenue. Upgrade irrigation systems.	3002N	1F430	0814000225	201.210	2018/19	RW:	10	PA&ED:	172	PA&ED:	10/17/2017
								Const:	1,563	PS&E:	329	RW Cert:	11/16/2018
										RW:	10	RTL:	12/17/2018
										Con:	382	Begin Con:	7/15/2019
								Subtotal:	1,573		893		
				Performance Measure				**Total (Capital + Support):**	**$2,466**				
				11.5 Acres									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
10	R21.6/R23.6	In Colton, from west of Rancho Avenue to Warm Creek Bridge. Upgrade irrigation systems.	3002P	1F440	0814000226	201.210	2018/19	RW:	10	PA&ED:	172	PA&ED:	11/15/2017
								Const:	1,585	PS&E:	329	RW Cert:	1/15/2019
										RW:	10	RTL:	2/15/2019
										Con:	382	Begin Con:	8/15/2019
								Subtotal:	1,595		893		
				Performance Measure			**Total (Capital + Support):**		**$2,488**				
				24.8 Acres									
40	R105.3/R105.6	Near Needles, west of Goffs Road at John Wilkie Safety Roadside Rest Area. Reconstruct safety roadside rest areas.	0206L	0G860	0814000132	201.250	2019/20	RW:	10	PA&ED:	1,400	PA&ED:	8/1/2018
								Const:	5,340	PS&E:	1,940	RW Cert:	1/15/2020
										RW:	10	RTL:	5/1/2020
										Con:	2,300	Begin Con:	2/1/2021
								Subtotal:	5,350		5,650		
				Performance Measure			**Total (Capital + Support):**		**$11,000**				
				2 Location(s)									
FACILITIES													
215	L5726	In the city of San Bernardino, at San Bernardino Maintenance Station (L5726) at 175 Cluster Street. Reconstruct maintenance station.	3001P	0K840	0800020563	201.352	2018/19	RW:	10	PA&ED:	897	PA&ED:	12/5/2017
								Const:	6,670	PS&E:	1,248	RW Cert:	10/8/2018
										RW:	42	RTL:	11/16/2018
										Con:	1,755	Begin Con:	7/18/2019
								Subtotal:	6,680		3,942		
				Performance Measure			**Total (Capital + Support):**		**$10,622**				
				1 Location(s)									

Proposed

2016 SHOPP Project List
San Bernardino
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 33,488	PA&ED: 44,051	
								Const: 387,209	PS&E: 63,222	
									RW: 16,813	
									Con: 64,422	
								Subtotal: 420,697	188,508	

San Bernardino County Total (Capital + Support): $609,205

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
5	R0.3/5.4	In the city of San Diego, at various locations from Camino De La Plaza to Main Street. Improve maint. worker safety by constructing Maintenance Vehicle Pullouts (MVP), paving misc. areas, and repairing damaged systems that require frequent maint.	1104	41090	1112000138	201.235	2016/17	RW: 60 Const: 3,101 Subtotal: 3,161	PA&ED: 399 PS&E: 733 RW: 68 Con: 1,226 2,426	PA&ED: 9/30/2015 RW Cert: 9/6/2016 RTL: 9/29/2016 Begin Con: 3/3/2017
				Performance Measure 48 Location(s)				**Total (Capital + Support):**	**$5,587**	
8	2.8/5.0	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.	1165	41131	1114000118	201.235	2018/19	RW: 3 Const: 5,209 Subtotal: 5,212	PA&ED: 603 PS&E: 2,167 RW: 3 Con: 770 3,543	PA&ED: 9/29/2017 RW Cert: 8/1/2018 RTL: 9/28/2018 Begin Con: 4/25/2019
				Performance Measure 48 Location(s)				**Total (Capital + Support):**	**$8,755**	
8	49	Near Pine Valley, at Buckman Springs Safety Roadside Rest Area (SRRA). Rehabilitate SRRA sewer and water systems.	1085	40910	1112000043	201.235	2016/17	RW: 0 Const: 3,275 Subtotal: 3,275	PA&ED: 698 PS&E: 1,251 RW: 20 Con: 1,034 3,003	PA&ED: 2/18/2016 RW Cert: 2/13/2017 RTL: 2/17/2017 Begin Con: 8/2/2017
				Performance Measure 1 Location(s)				**Total (Capital + Support):**	**$6,278**	

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
8	5.0/6.0	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.	1166	41132	1115000132	201.235	2018/19	RW:	3	PA&ED:	371	PA&ED:	9/29/2017
								Const:	3,278	PS&E:	1,330	RW Cert:	8/1/2018
										RW:	2	RTL:	9/28/2018
										Con:	474	Begin Con:	4/25/2019
								Subtotal:	3,281		2,177		
				Performance Measure				**Total (Capital + Support):**	**$5,458**				
				25 Location(s)									
8	6.0/12.0	In the city of San Diego and La Mesa, from west of Mission Gorge Road to west of Route 125. Roadside safety improvements.	1167	41133	1115000133	201.235	2019/20	RW:	3	PA&ED:	565	PA&ED:	7/31/2018
								Const:	4,959	PS&E:	2,029	RW Cert:	5/31/2019
										RW:	3	RTL:	7/30/2019
										Con:	721	Begin Con:	2/24/2020
								Subtotal:	4,962		3,318		
				Performance Measure				**Total (Capital + Support):**	**$8,280**				
				64 Location(s)									
8	R0.1/R2.0	In the city of San Diego, from west of Morena Boulevard to east of Hotel Circle North interchange ramps. Enhance striping and signage in westbound direction.	1068	41480	1112000193	201.010	2016/17	RW:	73	PA&ED:	960	PA&ED:	12/31/2015
								Const:	8,142	PS&E:	1,323	RW Cert:	12/9/2016
										RW:	204	RTL:	6/29/2017
										Con:	2,063	Begin Con:	12/21/2017
								Subtotal:	8,215		4,550		
				Performance Measure				**Total (Capital + Support):**	**$12,765**				
				463 Collisions Reduced									

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
52	0.0/14.8	In the city of San Diego and Santee, from Route 5 to Route 125. Construct rumble strips, enhance pavement delineation and install barrier.	1135	42030	1115000026	201.015	2019/20	RW:	0	PA&ED:	478	PA&ED:	10/17/2017
								Const:	4,121	PS&E:	1,015	RW Cert:	5/13/2019
										RW:	0	RTL:	7/6/2019
										Con:	1,317	Begin Con:	3/4/2020
								Subtotal:	4,121		2,810		
				Performance Measure				**Total (Capital + Support):**	**$6,931**				
				90 Collisions Reduced									
94	29.6/29.8	Near Dulzura, from north of Marron Valley Road to south of Dutchman Canyon Road. Roadway realignment, curve improvement, and shoulder widening.	1163	41660	1113000090	201.010	2017/18	RW:	496	PA&ED:	0	PA&ED:	3/25/2015
								Const:	3,775	PS&E:	2,123	RW Cert:	11/28/2017
										RW:	272	RTL:	1/18/2018
										Con:	1,056	Begin Con:	7/20/2018
								Subtotal:	4,271		3,451		
				Performance Measure				**Total (Capital + Support):**	**$7,722**				
				44 Collisions Reduced									
94	7.2/10.5	In and near Lemon Grove at various locations, from west of College Avenue to Campo Road. Improve maint. worker safety by installing access gates and Maintenance Vehicle Pullouts (MVP), paving, construct concrete barrier and other measures.	1083	41110	1112000140	201.235	2017/18	RW:	0	PA&ED:	523	PA&ED:	12/1/2016
								Const:	3,808	PS&E:	1,221	RW Cert:	8/4/2017
										RW:	40	RTL:	10/27/2017
										Con:	1,294	Begin Con:	4/16/2018
								Subtotal:	3,808		3,078		
				Performance Measure				**Total (Capital + Support):**	**$6,886**				
				69 Location(s)									

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
163	2.5/4.0	In the city of San Diego, from Robinson Avenue to San Diego River. Safety enhancements that include lighting, rumble strips, striping, lighting, bridge rail end treatments and high friction surface treatment.	1103	41530	1113000018	201.015	2016/17	RW: 0 Const: 6,193 Subtotal: 6,193	PA&ED: 448 PS&E: 710 RW: 2 Con: 1,261 2,421	PA&ED: 7/29/2016 RW Cert: 12/19/2016 RTL: 1/8/2017 Begin Con: 6/8/2017	
				Performance Measure 45 Collisions Reduced				**Total (Capital + Support):**	**$8,614**		
805	0.3/4.0	In the cities of San Diego and Chula Vista, from south of San Ysidro Boulevard to north of Main Street at various locations. Construct Maintenance Vehicle Pullouts (MVP), paving, construct concrete barrier and other measures.	1084	41120	1112000141	201.235	2017/18	RW: 60 Const: 3,825 Subtotal: 3,885	PA&ED: 425 PS&E: 876 RW: 27 Con: 1,083 2,411	PA&ED: 5/2/2016 RW Cert: 8/9/2017 RTL: 8/9/2017 Begin Con: 12/26/2017	
				Performance Measure 39 Location(s)				**Total (Capital + Support):**	**$6,296**		
805	15.7/17.5	In the city of San Diego, from Landis Street to Route 8. Improve maint. worker safety by relocating equip. away from traffic, installing access gates, constructing Maintenance Vehicle Pullouts (MVP), replace MBGR with conc. barrier, and other measures.	1086	41080	1112000137	201.235	2016/17	RW: 0 Const: 3,241 Subtotal: 3,241	PA&ED: 315 PS&E: 940 RW: 14 Con: 930 2,199	PA&ED: 8/14/2015 RW Cert: 1/13/2017 RTL: 6/22/2017 Begin Con: 10/23/2017	
				Performance Measure 133 Location(s)				**Total (Capital + Support):**	**$5,440**		

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
VAR	VAR	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.	1168	41134	1115000134	201.235	2018/19	RW: 3 Const: 3,618		PA&ED: 409 PS&E: 1,469 RW: 2 Con: 522		PA&ED: 1/31/2018 RW Cert: 12/31/2018 RTL: 1/31/2019 Begin Con: 8/21/2019	
				Performance Measure 21 Location(s)				Subtotal: 3,621 **Total (Capital + Support):** **$6,023**		2,402			
MANDATES													
5	R34.6/R35.1	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.	1164	41750	1114000028	201.335	2019/20	RW: 0 Const: 1,875		PA&ED: 241 PS&E: 526 RW: 0 Con: 702		PA&ED: 7/19/2018 RW Cert: 6/14/2019 RTL: 7/22/2019 Begin Con: 1/31/2020	
				Performance Measure 73 Acres				Subtotal: 1,875 **Total (Capital + Support):** **$3,344**		1,469			
52	3.8/6.6	In the city of San Diego from Route 805 to Route 163. Repair median erosion and implement storm water quality measures.	1088	29280	1113000044	201.335	2017/18	RW: 0 Const: 2,751		PA&ED: 246 PS&E: 670 RW: 11 Con: 842		PA&ED: 10/31/2016 RW Cert: 10/2/2017 RTL: 11/17/2017 Begin Con: 5/15/2018	
				Performance Measure 3.6 Acres				Subtotal: 2,751 **Total (Capital + Support):** **$4,520**		1,769			

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
78	2.5/2.7	In Oceanside, from 0.8 mile to 0.6 mile west of College Boulevard. Stormwater mitigation and slope erosion repair.	1125	41740	1114000027	201.335	2018/19	RW:	120	PA&ED:	276	PA&ED:	7/28/2017
								Const:	3,547	PS&E:	651	RW Cert:	6/21/2018
										RW:	50	RTL:	7/27/2018
										Con:	984	Begin Con:	3/28/2019
								Subtotal:	3,667		1,961		
				Performance Measure				**Total (Capital + Support):**	**$5,628**				
				4.28 Acres									
125	9.8/12.4	In and near Lemon Grove, from Paradise Valley Road to north of Troy Street. Repair median erosion and implement storm water quality measures.	1087	29200	1113000045	201.335	2016/17	RW:	0	PA&ED:	281	PA&ED:	2/1/2016
								Const:	2,780	PS&E:	904	RW Cert:	11/3/2016
										RW:	12	RTL:	1/5/2017
										Con:	919	Begin Con:	7/25/2017
								Subtotal:	2,780		2,116		
				Performance Measure				**Total (Capital + Support):**	**$4,896**				
				2.2 Acres									
VAR		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 ADA standards.	1127	41810	1114000056	201.361	2019/20	RW:	110	PA&ED:	881	PA&ED:	6/13/2017
								Const:	2,766	PS&E:	2,425	RW Cert:	1/28/2019
										RW:	101	RTL:	2/21/2019
										Con:	1,658	Begin Con:	9/13/2019
								Subtotal:	2,876		5,065		
				Performance Measure				**Total (Capital + Support):**	**$7,941**				
				108 Curb Ramps									

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
VAR		In and near the cities of San Diego and National City, upgrade curb ramps to comply with Americans with Disabilities Act (ADA) standards.	1022	40580	1100020271	201.361	2017/18	RW:	90	PA&ED:	496	PA&ED:	7/19/2016
								Const:	4,394	PS&E:	2,201	RW Cert:	8/23/2017
										RW:	134	RTL:	9/21/2017
										Con:	1,120	Begin Con:	6/18/2018
								Subtotal:	4,484		3,951		
				Performance Measure			**Total (Capital + Support):**		**$8,435**				
				65 Curb Ramps									

BRIDGE PRESERVATION

5	VAR	In various cities, on various routes at various locations. Repair bridge decks, rails, and replace approach slabs.	1172	42150	1115000126	201.119	2016/17	RW:	0	PA&ED:	0	PA&ED:	7/27/2016
								Const:	1,835	PS&E:	600	RW Cert:	4/19/2017
										RW:	0	RTL:	4/19/2017
										Con:	650	Begin Con:	8/31/2017
								Subtotal:	1,835		1,250		
				Performance Measure			**Total (Capital + Support):**		**$3,085**				
				47 Bridge(s)									
15	VAR	In various cities, on various routes at various locations. Repair bridge decks, rails, and replace approach slabs.	1173	2M820	1115000099	201.119	2016/17	RW:	0	PA&ED:	0	PA&ED:	7/27/2016
								Const:	2,361	PS&E:	651	RW Cert:	4/17/2017
										RW:	0	RTL:	5/17/2017
										Con:	679	Begin Con:	8/31/2017
								Subtotal:	2,361		1,330		
				Performance Measure			**Total (Capital + Support):**		**$3,691**				
				38 Bridge(s)									

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
75	R20.2/R22.0	In the cities of San Diego and Coronado, from 0.1 mile South of San Diego-Coronado Bay Bridge to 0.3 mile South of North Junction 5. Rehabilitate and upgrade bridge electrical components.	1063	26220	1100000215	201.110	2016/17	RW: 0 Const: 14,636	PA&ED: 426 PS&E: 1,671 RW: 0 Con: 2,406	PA&ED: 9/28/2015 RW Cert: 2/3/2017 RTL: 2/28/2017 Begin Con: 9/20/2017	
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**	Subtotal: 14,636 **$19,139**	4,503		
76	22.2/47.1	Near Palomar Mountain State Park, from Gomez Creek Bridge No. 57-0158 to San Luis Rey River Bridge No. 57-0713L at various locations. Bridge rail upgrade.	1067	29910	1100000421	201.112	2016/17	RW: 0 Const: 2,086	PA&ED: 400 PS&E: 1,344 RW: 1 Con: 1,015	PA&ED: 1/29/2016 RW Cert: 4/6/2017 RTL: 6/22/2017 Begin Con: 11/13/2017	
				Performance Measure 839 Linear Feet			**Total (Capital + Support):**	Subtotal: 2,086 **$4,846**	2,760		
79	31.3/49.9	Near Warner Springs and Oak Grove, at various locations from Buena Vista Creek Bridge (No. 57-0063) to Chihuahua Creek Bridge (No. 57-0014). Upgrade bridge rails. (G13 Contingency Project)	1123	41430	1114000024	201.112	2016/17	RW: 2 Const: 0	PA&ED: 330 PS&E: 1,061 RW: 4 Con: 0	PA&ED: 1/29/2016 RW Cert: 3/1/2017 RTL: 3/22/2017 Begin Con: 9/20/2017	
				Performance Measure 1277 Linear Feet			**Total (Capital + Support):**	Subtotal: 2 **$1,397**	1,395		

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
94	46.9/R58.9	Near Campo at Campo Creek Bridge No. 57 -0118, and 7 miles west of Manzanita at Campo Creek Bridge No. 57-0686,. Upgrade bridge rails and bridge approach rails.	1064	40900	1112000042	201.112	2016/17	RW:	40	PA&ED:	371	PA&ED:	11/13/2015
								Const:	2,220	PS&E:	981	RW Cert:	6/21/2016
										RW:	2	RTL:	8/30/2016
										Con:	1,094	Begin Con:	4/14/2017
								Subtotal:	2,260		2,448		
				Performance Measure			**Total (Capital + Support):**		**$4,708**				
				574 Linear Feet									
94	5.8/9.3	In the cities of San Diego and Lemon Grove, at Kelton Road Overcrossing (No. 57 -0300) and Grove Street Overcrossing (No. 57-0322). Upgrade bridge rails.	1124	41440	1114000023	201.112	2016/17	RW:	80	PA&ED:	657	PA&ED:	1/29/2016
								Const:	0	PS&E:	1,034	RW Cert:	4/3/2017
										RW:	135	RTL:	4/14/2017
										Con:	0	Begin Con:	9/28/2017
		(G13 Contingency Project)						Subtotal:	80		1,826		
				Performance Measure			**Total (Capital + Support):**		**$1,906**				
				990 Linear Feet									
ROADWAY PRESERVATION													
8	9.0/15.3	In the cities of San Diego, La Mesa, and El Cajon, from west of Lake Murray Boulevard to Johnson Avenue. Pavement rehabilitation.	1062	40870	1112000017	201.121	2016/17	RW:	1	PA&ED:	636	PA&ED:	5/31/2016
								Const:	17,423	PS&E:	1,142	RW Cert:	1/31/2017
										RW:	7	RTL:	2/28/2017
										Con:	2,988	Begin Con:	8/2/2017
								Subtotal:	17,424		4,773		
				Performance Measure			**Total (Capital + Support):**		**$22,197**				
				2.5 Lane Miles									

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
52	3.8/5.1	In the city of San Diego, from Route 805 to west of Convoy Street. Pavement rehabilitation.	1176	41950	1115000036	201.121	2018/19	RW:	0	PA&ED:	0	PA&ED:	6/19/2015
								Const:	15,248	PS&E:	1,056	RW Cert:	10/5/2018
										RW:	0	RTL:	11/16/2018
										Con:	2,086	Begin Con:	5/30/2019
								Subtotal:	15,248		3,142		
				Performance Measure				**Total (Capital + Support):**	**$18,390**				
				29.2 Lane Miles									
78	N17.6/R21.4	In and near Escondido, from west of North Broadway to Teepee Drive. Pavement rehabilitation.	1162	41930	1115000042	201.121	2019/20	RW:	3,136	PA&ED:	1,180	PA&ED:	3/9/2018
								Const:	17,731	PS&E:	2,790	RW Cert:	9/13/2019
										RW:	2,168	RTL:	10/4/2019
										Con:	2,643	Begin Con:	4/30/2020
								Subtotal:	20,867		8,781		
				Performance Measure				**Total (Capital + Support):**	**$29,648**				
				13.9 Lane Miles									
94	R10.4/14.9	In the city of San Diego, from Spring Street to Route 54. Pavement rehabilitation.	1177	42000	1115000041	201.121	2019/20	RW:	159	PA&ED:	505	PA&ED:	7/5/2017
								Const:	11,312	PS&E:	1,252	RW Cert:	10/4/2019
										RW:	10	RTL:	11/19/2019
										Con:	1,537	Begin Con:	6/30/2020
								Subtotal:	11,471		3,304		
				Performance Measure				**Total (Capital + Support):**	**$14,775**				
				21.2 Lane Miles									

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
805	27.1/28.9	In the city of San Diego, from Mira Mesa Boulevard to north of Route 5. Pavement rehabilitation.	1175	41990	1115000038	201.121	2018/19	RW:	90	PA&ED:	0	PA&ED:	6/19/2015
								Const:	8,120	PS&E:	1,181	RW Cert:	10/5/2018
										RW:	0	RTL:	11/16/2018
										Con:	1,302	Begin Con:	5/30/2019
								Subtotal:	8,210		2,483		
				Performance Measure				**Total (Capital + Support):**	**$10,693**				
				14.4 Lane Miles									
VAR		In San Diego County, on various routes at various locations. Culvert rehabilitation.	1134	41820	1114000063	201.151	2018/19	RW:	483	PA&ED:	568	PA&ED:	10/20/2017
								Const:	2,646	PS&E:	988	RW Cert:	1/30/2019
										RW:	418	RTL:	2/15/2019
										Con:	718	Begin Con:	7/11/2019
								Subtotal:	3,129		2,692		
				Performance Measure				**Total (Capital + Support):**	**$5,821**				
				7 Drainage System(s)									
VAR		In various cities, at various locations. Upgrade existing guide signs to current standards.	1129	41910	1114000125	201.170	2016/17	RW:	0	PA&ED:	640	PA&ED:	2/16/2016
								Const:	10,671	PS&E:	1,224	RW Cert:	10/7/2016
										RW:	5	RTL:	11/18/2016
										Con:	1,486	Begin Con:	5/22/2017
								Subtotal:	10,671		3,355		
				Performance Measure				**Total (Capital + Support):**	**$14,026**				
				928 Lighting Fixtures									

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
VAR		In various cities, at various locations. Upgrade existing guide signs to current standards.	1130	41911	1114000126	201.170	2016/17	RW:	0	PA&ED:	640	PA&ED:	2/16/2016
								Const:	10,593	PS&E:	1,224	RW Cert:	10/7/2016
										RW:	5	RTL:	11/18/2016
										Con:	1,486	Begin Con:	5/22/2017
								Subtotal:	10,593		3,355		
				Performance Measure			**Total (Capital + Support):**		**$13,948**				
				936 Lighting Fixtures									
MOBILITY													
5	R25.9/R26.8	In the city of San Diego, from Route 52 to Gilman Drive. Construct auxiliary lane.	1137	42010	1115000047	201.310	2017/18	RW:	143	PA&ED:	400	PA&ED:	8/9/2016
								Const:	6,403	PS&E:	1,000	RW Cert:	5/30/2017
										RW:	125	RTL:	10/2/2017
										Con:	1,630	Begin Con:	4/30/2018
								Subtotal:	6,546		3,155		
				Performance Measure			**Total (Capital + Support):**		**$9,701**				
				344 1000 Vehicle									
5	R28.6/R29.3	In the city of San Diego, from north of La Jolla Village Drive to south of Genesee Avenue, on southbound. Construct a ½ mile auxiliary lane.	1136	2T215	1114000074	201.310	2016/17	RW:	0	PA&ED:	0	PA&ED:	6/30/2011
								Const:	0	PS&E:	1,000	RW Cert:	2/29/2016
										RW:	0	RTL:	10/3/2016
										Con:	0	Begin Con:	3/30/2017
		(G13 Contingency Project)						Subtotal:	0		1,000		
				Performance Measure			**Total (Capital + Support):**		**$1,000**				
				.14 1000 Vehicle									

Proposed

2016 SHOPP Project List
San Diego
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
VAR		In San Diego County, on various routes at various locations. Replace Changeable Message Sign (CMS) panels with Advanced Variable Message Sign (AVMS) panels.	1171	42070	1115000057	201.315	2019/20	RW:	0	PA&ED:	0	PA&ED:	6/19/2015
								Const:	4,401	PS&E:	585	RW Cert:	10/14/2019
										RW:	0	RTL:	1/16/2020
										Con:	886	Begin Con:	6/12/2020
								Subtotal:	4,401		1,471		
				Performance Measure			**Total (Capital + Support):**		**$5,872**				
				25 Field Elements									
VAR		In San Diego County, on various routes at various locations. Replace Changeable Message Sign (CMS) panels with Advanced Variable Message Sign (AVMS) panels.	1174	42080	1115000060	201.315	2018/19	RW:	0	PA&ED:	389	PA&ED:	9/14/2016
								Const:	4,586	PS&E:	585	RW Cert:	2/14/2018
										RW:	0	RTL:	7/13/2018
										Con:	886	Begin Con:	12/14/2018
								Subtotal:	4,586		1,860		
				Performance Measure			**Total (Capital + Support):**		**$6,446**				
				25 Field Elements									
								RW:	5,155	PA&ED:	15,757		
								Const:	206,930	PS&E:	45,933		
										RW:	3,845		
										Con:	43,468		
								Subtotal:	212,085		109,003		

San Diego County Total (Capital + Support): $321,088

Proposed

2016 SHOPP Project List
San Francisco
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
1	VAR	In the City of San Francisco, on Routes 1, 35, 80, 101 and 280 at various locations. Crosswalk safety enhancements.	1489B	3J890	0415000221	201.015	2018/19	RW: 5 Const: 7,060	PA&ED: 440 PS&E: 914 RW: 91 Con: 914	PA&ED: 1/15/2018 RW Cert: 6/7/2019 RTL: 6/28/2019 Begin Con: 1/7/2020
								Subtotal: 7,065	2,359	
				Performance Measure 252 Collisions Reduced				**Total (Capital + Support): $9,424**		
VAR		In San Francisco County, on Routes 35 and 82 at various locations; also in Santa Clara County, on Routes 82, 130, and 152 at various locations. Install pedestrian crosswalk safety enhancments.	0158G	4H751	0416000119	201.015	2016/17	RW: 80 Const: 4,650	PA&ED: 416 PS&E: 1,250 RW: 130 Con: 1,100	PA&ED: 12/31/1899 RW Cert: 2/16/2017 RTL: 2/28/2017 Begin Con: 10/5/2017
								Subtotal: 4,730	2,896	
				Performance Measure 24 Collisions Reduced				**Total (Capital + Support): $7,626**		
MANDATES										
1	6	In the city of San Francisco, at Presidio National Park. Water quality improvements.	1067C	1A905	0414000340	201.335	2017/18	RW: 1,050 Const: 710	PA&ED: 650 PS&E: 180 RW: 50 Con: 190	PA&ED: 8/1/2017 RW Cert: 2/1/2018 RTL: 6/29/2018 Begin Con: 1/10/2019
								Subtotal: 1,760	1,070	
				Performance Measure 1 Acres				**Total (Capital + Support): $2,830**		

Proposed

2016 SHOPP Project List
San Francisco
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones
BRIDGE PRESERVATION												
101	2	Near San Francisco, at Alemany Circle Undercrossing No. 34-0033. Rehabilitate bridge. (G13 Contingency Project)	0587D	3G620	0412000141	201.110	2017/18	RW: 20 Const: 0	PA&ED: PS&E: RW: Con:	2,400 3,000 20 0	PA&ED: RW Cert: RTL: Begin Con:	6/15/2017 12/3/2018 12/15/2018 7/15/2019
				Performance Measure 1 Bridge(s)				Subtotal: 20 **Total (Capital + Support):** **$5,440**		5,420		
101	4.1/R5.1	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 Project)	1483S	2J800	0415000034	201.110	2018/19	RW: 62 Const: 0	PA&ED: PS&E: RW: Con:	2,500 9,200 300 0	PA&ED: RW Cert: RTL: Begin Con:	7/1/2017 5/1/2019 6/1/2019 1/15/2020
				Performance Measure 2 Bridge(s)				Subtotal: 62 **Total (Capital + Support):** **$12,062**		12,000		
ROADWAY PRESERVATION												
1	6.3/6.6	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.	1490A	3J300	0415000147	201.170	2018/19	RW: 5 Const: 3,956	PA&ED: PS&E: RW: Con:	220 440 25 790	PA&ED: RW Cert: RTL: Begin Con:	9/1/2017 2/1/2019 3/1/2019 9/1/2019
				Performance Measure 380 Lighting Fixtures				Subtotal: 3,961 **Total (Capital + Support):** **$5,436**		1,475		

Proposed

2016 SHOPP Project List
San Francisco
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
1	R0.0/R6.9	In San Francisco, from Route 280 to Ruckman Avenue undercrossing. Rehabilitate roadway.	0585E	4C130	0400001180	201.121	2017/18	RW:	180	PA&ED:	294	PA&ED:	5/1/2016
								Const:	17,143	PS&E:	1,319	RW Cert:	12/12/2017
										RW:	35	RTL:	3/1/2018
										Con:	1,319	Begin Con:	5/21/2018
								Subtotal:	17,323		2,967		
				Performance Measure				**Total (Capital + Support):**	**$20,290**				
				40 Lane Miles									
101	6.7/8.1	In the city and county of San Francisco, from Van Ness Avenue to Lyon Street. Rehabilitate pavement.	0480T	3E602	0414000084	201.121	2017/18	RW:	200	PA&ED:	290	PA&ED:	1/31/2016
								Const:	3,495	PS&E:	616	RW Cert:	9/1/2017
										RW:	44	RTL:	3/1/2018
										Con:	616	Begin Con:	7/1/2018
								Subtotal:	3,695		1,566		
				Performance Measure				**Total (Capital + Support):**	**$5,261**				
				20.4 Lane Miles									
101	T4.7/6.7	In San Francisco, from Mission Street to Lombard Street. Rehabilitate pavement. (Financial Contribution Only)	0832J	3E601	0414000083	201.121	2016/17	RW:	0	PA&ED:	180	PA&ED:	
								Const:	7,300	PS&E:	0	RW Cert:	
										RW:	30	RTL:	
										Con:	0	Begin Con:	
								Subtotal:	7,300		210		
				Performance Measure				**Total (Capital + Support):**	**$7,510**				
				20.4 Lane Miles									

Proposed

2016 SHOPP Project List
San Francisco
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones
MOBILITY												
1	R0.7/5.9	In the City and County of San Francisco, from Junipero Serra Boulevard to Lake Street. Upgrade and interconnect traffic signals.	0481V	0J700	0414000027	201.315	2017/18	RW:	115	PA&ED:	0	PA&ED:
								Const:	4,628	PS&E:	750	RW Cert:
										RW:	340	RTL:
										Con:	750	Begin Con:
								Subtotal:	4,743		1,840	
				Performance Measure			**Total (Capital + Support):**		**$6,583**			
				9 Field Elements								
								RW:	1,717	PA&ED:	7,390	
								Const:	48,942	PS&E:	17,669	
										RW:	1,065	
										Con:	5,679	
								Subtotal:	50,659		31,803	

San Francisco County Total (Capital + Support): $82,462

Proposed

2016 SHOPP Project List
San Joaquin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
4	R15.7/R19.2	In Stockton, from Garfield Avenue to Route 99 at various locations. Highway worker safety improvements. (G13 Contingency Project)	3110	0X690	1013000241	201.235	2018/19	RW: 60 Const: 0	PA&ED: 650 PS&E: 740 RW: 10 Con: 0	PA&ED: 7/17/2017 RW Cert: 12/15/2018 RTL: 1/15/2019 Begin Con: 7/22/2019
				Performance Measure 102 Location(s)				Subtotal: 60 **Total (Capital + Support): $1,460**	1,400	
5	R16.1/25.4	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. (G13 Contingency Project)	3112	0X720	1013000242	201.235	2018/19	RW: 10 Const: 0	PA&ED: 200 PS&E: 470 RW: 10 Con: 0	PA&ED: 9/7/2017 RW Cert: 9/16/2018 RTL: 10/18/2018 Begin Con: 4/22/2019
				Performance Measure 61 Location(s)				Subtotal: 10 **Total (Capital + Support): $690**	680	
120	R2.6/T7.1	In and near Manteca, from east of McKinley Avenue to Route 99. Highway worker safety improvements.	3120	0X710	1013000247	201.235	2018/19	RW: 11 Const: 3,491	PA&ED: 409 PS&E: 723 RW: 9 Con: 808	PA&ED: 1/3/2018 RW Cert: 1/15/2019 RTL: 1/29/2019 Begin Con: 7/2/2019
				Performance Measure 38 Location(s)				Subtotal: 3,502 **Total (Capital + Support): $5,451**	1,949	

Proposed

2016 SHOPP Project List
San Joaquin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
205	2.3/R9.7	In and near Tracy, from Hansen Road to Paradise Road. Highway worker safety improvements.	3111	0X700	1013000248	201.235	2018/19	RW:	10	PA&ED:	225	PA&ED:	9/7/2017
								Const:	2,700	PS&E:	567	RW Cert:	10/1/2018
										RW:	10	RTL:	11/1/2018
										Con:	540	Begin Con:	5/6/2019
								Subtotal:	2,710		1,342		
				Performance Measure				**Total (Capital + Support):**	**$4,052**				
				41 Location(s)									
MANDATES													
12	14.9/18.1	In Lodi, from Westgate Drive to Route 99. Upgrade pedestrian curb ramps to ADA standards.	3079	0Y550	1013000239	201.361	2016/17	RW:	451	PA&ED:	225	PA&ED:	11/17/2015
								Const:	672	PS&E:	150	RW Cert:	6/1/2017
										RW:	100	RTL:	6/1/2017
										Con:	250	Begin Con:	1/15/2018
								Subtotal:	1,123		725		
				Performance Measure				**Total (Capital + Support):**	**$1,848**				
				83 Curb Ramps									
99	.9	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 requirements.	3156	1C060	1014000102	201.361	2018/19	RW:	8	PA&ED:	97	PA&ED:	7/1/2017
								Const:	1,553	PS&E:	207	RW Cert:	2/15/2019
										RW:	58	RTL:	2/15/2019
										Con:	285	Begin Con:	10/1/2019
								Subtotal:	1,561		647		
				Performance Measure				**Total (Capital + Support):**	**$2,208**				
				34 Curb Ramps									

Proposed

2016 SHOPP Project List
San Joaquin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
BRIDGE PRESERVATION										
4		Near Discovery Bay, at Old River Bridge No. 29-0045. Upgrade mechanical and electrical equipment on movable bridge.	3113	1C800	1015000037	201.119	2019/20	RW: 2,000 Const: 4,079	PA&ED: 490 PS&E: 1,358 RW: 55 Con: 1,319	PA&ED: 8/15/2018 RW Cert: 4/3/2020 RTL: 5/4/2020 Begin Con: 10/21/2020
								Subtotal: 6,079	3,222	
				Performance Measure 4 Bridge(s)			**Total (Capital + Support):**	**$9,301**		
4	17.2	In Stockton, at Route 4/99 Separation (Farmington Road) bridge no. 29-0155. Replace structure to provide standard vertical clearance.	3148	0X310	1013000265	201.322	2019/20	RW: 115 Const: 5,776	PA&ED: 673 PS&E: 2,092 RW: 147 Con: 1,984	PA&ED: 1/2/2018 RW Cert: 1/15/2020 RTL: 1/29/2020 Begin Con: 6/15/2020
								Subtotal: 5,891	4,896	
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**	**$10,787**		
5		In Stockton, at Route 5/4 Separation Bridge No. 29-0232R/L, Route 4/5 Connector Undercrossing Bridge No. 29-0235R/L and Route 5/4 Connector viaduct Bridge No. 29-0233H. Seismic retrofit.	0337	0G720	1012000039	201.113	2016/17	RW: 0 Const: 2,195	PA&ED: 0 PS&E: 1,490 RW: 10 Con: 1,174	PA&ED: 9/7/2012 RW Cert: 2/15/2016 RTL: 3/15/2017 Begin Con: 9/20/2017
								Subtotal: 2,195	2,674	
				Performance Measure 3 Bridge(s)			**Total (Capital + Support):**	**$4,869**		

Proposed

2016 SHOPP Project List
San Joaquin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
5	VAR	In San Joaquin County on Routes 5 and 580 and in Stanislaus County on Route 99, at various locations. Seismic retrofit of 4 bridges.	3118	0P540	1013000251	201.113	2019/20	RW:	263	PA&ED:	515	PA&ED:	7/3/2017
								Const:	8,758	PS&E:	1,992	RW Cert:	11/1/2019
										RW:	73	RTL:	11/15/2019
										Con:	1,783	Begin Con:	5/6/2020
								Subtotal:	9,021		4,363		
				Performance Measure				**Total (Capital + Support):**	**$13,384**				
				4 Bridge(s)									
99	0	In Ripon, at the Stanislaus River Bridge No. 29-0013L. Rehabilitate Bridge.	0321	0L020	1013000053	201.110	2017/18	RW:	480	PA&ED:	1,969	PA&ED:	4/15/2016
								Const:	14,653	PS&E:	3,031	RW Cert:	6/15/2018
										RW:	180	RTL:	6/15/2018
										Con:	3,250	Begin Con:	2/15/2019
								Subtotal:	15,133		8,430		
				Performance Measure				**Total (Capital + Support):**	**$23,563**				
				1 Bridge(s)									
VAR		In San Joaquin, Merced, and Stanislaus counties at various bridge locations. Bridge seismic retrofit. (G13 Contingency Project)	0338	0P550	1012000055	201.113	2017/18	RW:	34	PA&ED:	900	PA&ED:	12/15/2015
								Const:	0	PS&E:	2,000	RW Cert:	9/20/2017
										RW:	50	RTL:	10/20/2017
										Con:	0	Begin Con:	4/27/2018
								Subtotal:	34		2,950		
				Performance Measure				**Total (Capital + Support):**	**$2,984**				
				11 Bridge(s)									

Proposed

2016 SHOPP Project List
San Joaquin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
ROADWAY PRESERVATION										
5	3.5/49.0	In San Joaquin County on Routes 4, 5, and 99 at various locations. Rehabilitate culverts.	3140	1C200	1014000098	201.151	2019/20	RW: 71 Const: 3,178 Subtotal: 3,249	PA&ED: 870 PS&E: 725 RW: 199 Con: 597 2,391	PA&ED: 4/4/2018 RW Cert: 12/2/2019 RTL: 1/2/2020 Begin Con: 9/1/2020
				Performance Measure 31 Drainage System(s)				**Total (Capital + Support):**	**$5,640**	
5	VAR	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.	3129	1C530	1015000002	201.170	2018/19	RW: 8 Const: 1,538 Subtotal: 1,546	PA&ED: 353 PS&E: 889 RW: 52 Con: 543 1,837	PA&ED: 4/3/2017 RW Cert: 8/15/2018 RTL: 12/3/2018 Begin Con: 7/15/2019
				Performance Measure 23 Lighting Fixtures				**Total (Capital + Support):**	**$3,383**	
88	16.4/25.4	Near Lockeford, from east of Disch Road to the Amador County line. Rehabilitate pavement. (G13 Contingency Project)	0165	0Q180	1013000256	201.121	2017/18	RW: 0 Const: 0 Subtotal: 0	PA&ED: 100 PS&E: 400 RW: 50 Con: 0 550	PA&ED: 1/13/2017 RW Cert: 9/15/2017 RTL: 1/15/2018 Begin Con: 4/18/2018
				Performance Measure 20.4 Lane Miles				**Total (Capital + Support):**	**$550**	

Proposed

2016 SHOPP Project List
San Joaquin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MOBILITY										
5	VAR	In various counties on various routes, at various locations. Upgrade Transportation Management System (TMS) elements.	3147	1C620	1015000001	201.315	2018/19	RW: 15 Const: 3,462 Subtotal: 3,477	PA&ED: 333 PS&E: 881 RW: 138 Con: 697 2,049	PA&ED: 4/3/2017 RW Cert: 3/1/2018 RTL: 8/8/2018 Begin Con: 4/15/2019
				Performance Measure 24 Field Elements				**Total (Capital + Support):**	**$5,526**	
99	0.0/6.8	In Stanislaus and San Joaquin Counties, from south of Pelandale Avenue to north of Yosemite Avenue/Route 120 East Junction. Lengthen existing lane transitions and construct auxiliary lanes. (G13 Contingency Project)	5002	1C300	1014000145	201.310	2016/17	RW: 800 Const: 0 Subtotal: 800	PA&ED: 2,061 PS&E: 2,650 RW: 122 Con: 0 4,833	PA&ED: 3/1/2016 RW Cert: 5/1/2017 RTL: 6/1/2017 Begin Con: 12/7/2017
				Performance Measure 4970 1000 Vehicle				**Total (Capital + Support):**	**$5,633**	
99	30.9/31.3	In Lodi, from south of Route 12 (Victor Road) to south of Turner Road. Realign northbound on-ramp, lower mainline ramp vertical profile for increased vertical clearance, and construct auxiliary lane.	3145	1C280	1014000134	201.310	2018/19	RW: 92 Const: 7,136 Subtotal: 7,228	PA&ED: 910 PS&E: 1,296 RW: 75 Con: 1,575 3,856	PA&ED: 11/2/2017 RW Cert: 5/17/2019 RTL: 5/28/2019 Begin Con: 1/6/2020
				Performance Measure 80 1000 Vehicle				**Total (Capital + Support):**	**$11,084**	

Proposed

2016 SHOPP Project List
San Joaquin
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
205	L0.0/R13.4	In and near Tracy and Lathrop, from Route 580 to Route 5. Install ramp meters and other Intelligent Transportation System (ITS) elements.	3146	1C330	1014000146	201.315	2019/20	RW:	10	PA&ED:	1,057	PA&ED:	1/15/2018
								Const:	10,857	PS&E:	1,772	RW Cert:	7/1/2019
										RW:	6	RTL:	7/15/2019
										Con:	2,333	Begin Con:	2/19/2020
								Subtotal:	10,867		5,168		
				Performance Measure			**Total (Capital + Support):**		**$16,035**				
				7 Field Elements									
								RW:	4,438	PA&ED:	12,037		
								Const:	70,048	PS&E:	23,433		
										RW:	1,354		
										Con:	17,138		
								Subtotal:	74,486		53,962		

San Joaquin County Total (Capital + Support): $128,448

Proposed

2016 SHOPP Project List
San Luis Obispo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
101	36.6/55.7	In and near Atascadero, from Santa Margarita Creek to South Paso Robles Overhead. Improve clear recovery and install barrier.	2518	1F490	0514000002	201.015	2019/20	RW:	50	PA&ED:	395	PA&ED:	8/1/2018
								Const:	2,687	PS&E:	1,097	RW Cert:	11/1/2019
										RW:	50	RTL:	3/2/2020
										Con:	805	Begin Con:	7/20/2020
								Subtotal:	2,737		2,347		
				Performance Measure			**Total (Capital + Support):**		**$5,084**				
				29 Collisions Reduced									
101	51.5/58.8	In and near Paso Robles, from Las Tablas Road to North Paso Robles Overhead. Construct rumble strips and place fog seal, striping and pavement markers to reduce the number of roadway departure collisions.	2613	1G770	0515000100	201.010	2017/18	RW:	0	PA&ED:	0	PA&ED:	5/2/2016
								Const:	393	PS&E:	352	RW Cert:	7/3/2017
										RW:	25	RTL:	9/1/2017
										Con:	160	Begin Con:	12/1/2017
								Subtotal:	393		537		
				Performance Measure			**Total (Capital + Support):**		**$930**				
				187 Collisions Reduced									
101	VAR	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.	2508	1F370	0513000135	201.015	2019/20	RW:	7	PA&ED:	834	PA&ED:	7/3/2018
								Const:	3,800	PS&E:	970	RW Cert:	3/20/2020
										RW:	92	RTL:	4/1/2020
										Con:	843	Begin Con:	12/16/2020
								Subtotal:	3,807		2,739		
				Performance Measure			**Total (Capital + Support):**		**$6,546**				
				33 Collisions Reduced									

Proposed

2016 SHOPP Project List
San Luis Obispo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MANDATES										
41	14.2/15.9	In Atascadero, from San Gabriel Road to Route 101 Southbound ramps. Improve and construct new ADA accessible pedestrian pathways and install Accessible Pedestrian Signal (APS) systems.	2532	1F630	0514000040	201.361	2018/19	RW: 163 Const: 2,622	PA&ED: 827 PS&E: 1,333 RW: 1,082 Con: 1,141	PA&ED: 10/1/2017 RW Cert: 6/1/2019 RTL: 6/1/2019 Begin Con: 9/15/2019
								Subtotal: 2,785	4,383	
				Performance Measure 126 Curb Ramps			**Total (Capital + Support):**	**$7,168**		
BRIDGE PRESERVATION										
1	32.6/32.6	In Morro Bay, at Toro Creek Bridge (Bridge # 49-0068R). Replace bridge.	0072	0L721	0515000097	201.112	2017/18	RW: 43 Const: 5,200	PA&ED: 972 PS&E: 800 RW: 23 Con: 800	PA&ED: 7/5/2017 RW Cert: 3/23/2018 RTL: 6/18/2018 Begin Con: 1/9/2019
								Subtotal: 5,243	2,595	
				Performance Measure 4 Linear Feet			**Total (Capital + Support):**	**$7,838**		
1	34.5	Near Morro Bay, at Old Creek Bridge No. 05 -49-0070R. Widen bridge.	0072A	0L722	0515000098	201.112	2017/18	RW: 43 Const: 4,200	PA&ED: 972 PS&E: 800 RW: 22 Con: 800	PA&ED: 7/5/2017 RW Cert: 2/15/2018 RTL: 6/11/2018 Begin Con: 1/2/2019
								Subtotal: 4,243	2,594	
				Performance Measure 4 Linear Feet			**Total (Capital + Support):**	**$6,837**		

Proposed

2016 SHOPP Project List
San Luis Obispo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
58	3.1	Near Santa Margarita, at Trout Creek Bridge No. 05-49-0091. Replace bridge.	0072B	0L723	0515000099	201.112	2017/18	RW:	43	PA&ED:	973	PA&ED:	7/5/2017
								Const:	4,750	PS&E:	800	RW Cert:	3/23/2018
										RW:	23	RTL:	6/18/2018
										Con:	800	Begin Con:	1/9/2019
								Subtotal:	4,793		2,596		
				Performance Measure				**Total (Capital + Support):**	**$7,389**				
				4 Linear Feet									
101	16.4	In Pismo Beach, at Pismo Creek Bridge No. 49-0015K. Scour prevention.	2387	1C370	0512000135	201.111	2017/18	RW:	275	PA&ED:	930	PA&ED:	9/2/2016
								Const:	2,442	PS&E:	1,116	RW Cert:	2/2/2018
										RW:	185	RTL:	5/2/2018
										Con:	846	Begin Con:	10/3/2018
								Subtotal:	2,717		3,077		
				Performance Measure				**Total (Capital + Support):**	**$5,794**				
				1 Bridge(s)									
ROADWAY PRESERVATION													
1	34.5/44.4	In and near Cayucos, from Old Creek Bridge to north of Harmony Valley Road. Pavement rehabilitation.	2587	1G140	0514000111	201.121	2017/18	RW:	0	PA&ED:	0	PA&ED:	6/23/2015
								Const:	14,789	PS&E:	1,194	RW Cert:	7/3/2017
										RW:	30	RTL:	11/6/2017
										Con:	1,837	Begin Con:	3/19/2018
								Subtotal:	14,789		3,061		
				Performance Measure				**Total (Capital + Support):**	**$17,850**				
				25.6 Lane Miles									

Proposed

2016 SHOPP Project List
San Luis Obispo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
1	64.0/R66.9	Near San Simeon, from Piedras Blancas Lighthouse Road to Arroyo De La Cruz Bridge. On-site landscape mitigation for PPNO 4928A.	4928Z	49282	0515000030	201.150	2017/18	RW:	0	PA&ED:	0	PA&ED:	8/11/2010
								Const:	3,843	PS&E:	1,013	RW Cert:	10/27/2017
										RW:	57	RTL:	4/23/2018
										Con:	1,376	Begin Con:	11/8/2018
								Subtotal:	3,843		2,446		
				Performance Measure			**Total (Capital + Support):**		**$6,289**				
				1 Location(s)									
1	R67.2	Near San Simeon, north of the Arroyo De La Cruz Bridge. Off-site landscape mitigation for PPNO 4928A.	4928Y	49281	0515000029	201.150	2016/17	RW:	0	PA&ED:	0	PA&ED:	8/11/2010
								Const:	7,086	PS&E:	1,199	RW Cert:	9/26/2016
										RW:	56	RTL:	10/3/2016
										Con:	1,816	Begin Con:	3/2/2017
								Subtotal:	7,086		3,071		
				Performance Measure			**Total (Capital + Support):**		**$10,157**				
				1 Location(s)									
								RW:	624	PA&ED:	5,903		
								Const:	51,812	PS&E:	10,674		
										RW:	1,645		
										Con:	11,224		
								Subtotal:	52,436		29,446		

San Luis Obispo County Total (Capital + Support): $81,882

Proposed

2016 SHOPP Project List
San Mateo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MAJOR DAMAGE RESTORATION										
1	.3	Near Pigeon Point, at 0.3 mile north of the Santa Cruz County line. Construct rock slope protection (RSP) and install drainage system.	0482K	0J210	0413000444	201.131	2017/18	RW: 40 Const: 740	PA&ED: 235 PS&E: 165 RW: 165 Con: 205	PA&ED: 9/1/2017 RW Cert: 2/7/2018 RTL: 3/28/2018 Begin Con: 6/29/2018
								Subtotal: 780	770	
				Performance Measure 1 Location(s)			**Total (Capital + Support):**	**$1,550**		
1	4.2/4.4	Near Ano Nuevo Park, at Rossi Road. Repair slipout.	0045Q	4G650	0412000624	201.131	2016/17	RW: 100 Const: 2,800	PA&ED: 700 PS&E: 560 RW: 100 Con: 450	PA&ED: 2/29/2016 RW Cert: 1/2/2017 RTL: 1/2/2017 Begin Con: 5/15/2017
								Subtotal: 2,900	1,810	
				Performance Measure 1 Location(s)			**Total (Capital + Support):**	**$4,710**		
92	6	Near San Mateo, east of Route 35. Construct rock slope protection (RSP).	0482D	0J140	0413000437	201.131	2017/18	RW: 65 Const: 615	PA&ED: 435 PS&E: 250 RW: 40 Con: 300	PA&ED: 7/1/2016 RW Cert: 2/15/2017 RTL: 3/1/2017 Begin Con: 8/1/2017
								Subtotal: 680	1,025	
				Performance Measure 1 Location(s)			**Total (Capital + Support):**	**$1,705**		

Proposed

2016 SHOPP Project List
San Mateo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
82	13.7	Near Burlingame and Hillsborough city limits, at the intersection of Route 82 and Floribunda Avenue. Install left turn signal.	0686	1G020	0400002011	201.010	2016/17	RW: 1,765 Const: 2,253	PA&ED: 846 PS&E: 1,300 RW: 450 Con: 700	PA&ED: 6/10/2016 RW Cert: 6/30/2017 RTL: 6/30/2017 Begin Con: 11/8/2017
								Subtotal: 4,018	3,296	
				Performance Measure 12 Collisions Reduced			**Total (Capital + Support):**	**$7,314**		
280	R0.2/R3.4	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.	0481J	0J670	0414000024	201.235	2018/19	RW: 10 Const: 2,678	PA&ED: 440 PS&E: 880 RW: 110 Con: 770	PA&ED: 6/30/2017 RW Cert: 9/30/2018 RTL: 1/30/2019 Begin Con: 7/1/2019
								Subtotal: 2,688	2,200	
				Performance Measure 61 Location(s)			**Total (Capital + Support):**	**$4,888**		
VAR		On Routes 92, 101 and 280 in Daly City, San Bruno and San Mateo at four locations. Wet pavement conditions safety improvements.	1489C	3J900	0415000222	201.010	2017/18	RW: 25 Const: 3,970	PA&ED: 596 PS&E: 500 RW: 10 Con: 580	PA&ED: 7/17/2017 RW Cert: 5/18/2018 RTL: 5/29/2018 Begin Con: 11/28/2018
								Subtotal: 3,995	1,686	
				Performance Measure 188 Collisions Reduced			**Total (Capital + Support):**	**$5,681**		

Proposed

2016 SHOPP Project List
San Mateo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
MANDATES													
280	7.0/7.7	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.	1487G	0J720	0414000030	201.335	2019/20	RW:	204	PA&ED:	874	PA&ED:	3/10/2017
								Const:	2,008	PS&E:	763	RW Cert:	12/30/2018
										RW:	77	RTL:	4/3/2019
										Con:	564	Begin Con:	10/18/2019
								Subtotal:	2,212		2,278		
				Performance Measure			**Total (Capital + Support):**		**$4,490**				
				7.8 Acres									
BRIDGE PRESERVATION													
1	44	In Pacifica, at San Jose avenue Pedestrian Overcrossing No. 35-0240. Replace bridge.	0681Q	4G850	0413000052	201.110	2016/17	RW:	5	PA&ED:	500	PA&ED:	10/15/2015
								Const:	3,662	PS&E:	400	RW Cert:	1/15/2017
										RW:	100	RTL:	2/1/2017
										Con:	450	Begin Con:	7/1/2017
								Subtotal:	3,667		1,450		
				Performance Measure			**Total (Capital + Support):**		**$5,117**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
San Mateo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
ROADWAY PRESERVATION										
1	0.0/10.6	Near Pescadero, from Santa Cruz County Line to south of Bean Hollow Road. Pavement rehabilitation.	0622B	0C930	0414000094	201.121	2019/20	RW: 10 Const: 11,671	PA&ED: 1,403 PS&E: 1,081 RW: 46 Con: 1,081	PA&ED: 8/1/2018 RW Cert: 11/1/2019 RTL: 12/1/2019 Begin Con: 4/1/2020
								Subtotal: 11,681	3,611	
				Performance Measure 21.20 Lane Miles				**Total (Capital + Support):** **$15,292**		
1	37.9/R48.0	In and near Montara, Pacifica and Daly cities, from 1.3 miles north of 2nd Street to Sullivan Avenue overcrossing. Rehabilitate pavement.	0636S	4H210	0413000140	201.121	2016/17	RW: 50 Const: 15,163	PA&ED: 500 PS&E: 1,120 RW: 60 Con: 1,120	PA&ED: 1/29/2016 RW Cert: 4/3/2017 RTL: 4/3/2017 Begin Con: 10/16/2017
								Subtotal: 15,213	2,800	
				Performance Measure 41 Lane Miles				**Total (Capital + Support):** **$18,013**		
101	16.5/23.0	In the cities of Burlingame, Millbrae, San Bruno and South San Francisco, from Broadway to Oyster Point Boulevard. Pavement rehabilitation.	1487J	3J060	0415000080	201.121	2019/20	RW: 100 Const: 16,500	PA&ED: 1,056 PS&E: 1,342 RW: 132 Con: 1,628	PA&ED: 4/2/2018 RW Cert: 10/15/2019 RTL: 11/1/2019 Begin Con: 4/29/2020
								Subtotal: 16,600	4,158	
				Performance Measure 58.6 Lane Miles				**Total (Capital + Support):** **$20,758**		

Proposed

2016 SHOPP Project List
San Mateo
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 2,374	PA&ED: 7,585	
								Const: 62,060	PS&E: 8,361	
									RW: 1,290	
									Con: 7,848	
								Subtotal: 64,434	25,084	

San Mateo County Total (Capital + Support): $89,518

Proposed

2016 SHOPP Project List
Santa Barbara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
101	17.2/45.9	In and near Goleta, at various locations from 0.6 mile north of Las Positas Road to 1.3 mile south of Gaviota Tunnel. Roadside safety improvements.	2456	1C970	0513000020	201.235	2016/17	RW: 10 Const: 1,890 Subtotal: 1,900	PA&ED: 280 PS&E: 650 RW: 12 Con: 550 1,492	PA&ED: 8/27/2015 RW Cert: 9/30/2016 RTL: 1/26/2017 Begin Con: 8/1/2017
				Performance Measure 75 Location(s)				**Total (Capital + Support):**	**$3,392**	
101	45.6/46.4	In Gaviota, from 0.7 mile north of Beckstead Overcrossing to 0.8 mile south of Gaviota Tunnel. Planting mitigation.	2292Y	0T631	0515000084	201.010	2016/17	RW: 0 Const: 220 Subtotal: 220	PA&ED: 0 PS&E: 130 RW: 10 Con: 140 280	PA&ED: 12/10/2013 RW Cert: 3/18/2016 RTL: 4/4/2016 Begin Con: 8/1/2016
				Performance Measure 127 Collisions Reduced				**Total (Capital + Support):**	**$500**	
101	46.5/68.9	In and near Buellton, from Gaviota State Park Entrance to north of Alisos Canyon Road. Roadside safety improvements.	2460	1E000	0513000023	201.235	2019/20	RW: 3 Const: 2,578 Subtotal: 2,581	PA&ED: 520 PS&E: 840 RW: 34 Con: 698 2,092	PA&ED: 10/2/2017 RW Cert: 10/7/2019 RTL: 2/3/2020 Begin Con: 7/1/2020
				Performance Measure 56 Location(s)				**Total (Capital + Support):**	**$4,673**	

Proposed

2016 SHOPP Project List
Santa Barbara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	46.9	Near Gaviota, at the Gaviota Safety Roadside Rest Area. Upgrade wastewater system.	2462	1E010	0513000024	201.235	2018/19	RW:	5	PA&ED:	240	PA&ED:	2/1/2016
								Const:	2,800	PS&E:	1,060	RW Cert:	7/5/2018
										RW:	10	RTL:	7/13/2018
										Con:	1,180	Begin Con:	1/2/2019
								Subtotal:	2,805		2,490		
				Performance Measure				**Total (Capital + Support):**	**$5,295**				
				2 Location(s)									
154	R7.8/R8.3	Near Santa Ynez, at and near Route 246 intersection. Landscape mitigation.	2267Y	0T001	0513000169	201.010	2016/17	RW:	0	PA&ED:	0	PA&ED:	11/1/2011
								Const:	135	PS&E:	222	RW Cert:	12/16/2014
										RW:	0	RTL:	3/19/2015
										Con:	402	Begin Con:	8/18/2017
								Subtotal:	135		624		
				Performance Measure				**Total (Capital + Support):**	**$759**				
				.01 Collisions Reduced									
VAR		In Santa Barbara and San Luis Obispo counties, on various routes at various locations. Replace and install advance curve warning signs.	2594	1G300	0514000138	201.015	2018/19	RW:	48	PA&ED:	780	PA&ED:	7/9/2018
								Const:	2,084	PS&E:	1,125	RW Cert:	2/28/2019
										RW:	41	RTL:	6/10/2019
										Con:	629	Begin Con:	11/14/2019
								Subtotal:	2,132		2,575		
				Performance Measure				**Total (Capital + Support):**	**$4,707**				
				6387 Collisions Reduced									

Proposed

2016 SHOPP Project List
Santa Barbara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year		Capital		Support		Milestones
MANDATES													
101	11	In the city of Santa Barbara, at Butterfly Lane Pedestrian Undercrossing. Construct pedestrian ramps and sidewalks to comply with ADA standards.	2468	1E040	0513000027	201.361	2019/20	RW:	970	PA&ED:	70	PA&ED:	11/1/2016
								Const:	2,904	PS&E:	1,875	RW Cert:	10/2/2019
										RW:	192	RTL:	4/1/2020
										Con:	1,136	Begin Con:	10/16/2020
								Subtotal:	3,874		3,273		
				Performance Measure				**Total (Capital + Support):**	**$7,147**				
				2 Curb Ramps									
BRIDGE PRESERVATION													
1	15.6	Near Lompoc, at the Salsipuedes Creek Bridge No. 51-0095. Replace Bridge (Scour Mitigation)	1501	0A050	0500000007	201.111	2017/18	RW:	195	PA&ED:	2,445	PA&ED:	11/2/2015
								Const:	6,500	PS&E:	2,819	RW Cert:	7/3/2017
										RW:	139	RTL:	9/1/2017
										Con:	2,000	Begin Con:	3/15/2018
								Subtotal:	6,695		7,403		
				Performance Measure				**Total (Capital + Support):**	**$14,098**				
				1 Bridge(s)									
101	56	Near Buellton, at Nojoqui Creek Bridge No. 51-0018L/R. Bridge rail replacement and widening.	2561	1F790	0514000061	201.112	2019/20	RW:	412	PA&ED:	910	PA&ED:	8/31/2018
								Const:	4,890	PS&E:	1,490	RW Cert:	8/1/2019
										RW:	130	RTL:	1/31/2020
										Con:	1,000	Begin Con:	7/1/2020
								Subtotal:	5,302		3,530		
				Performance Measure				**Total (Capital + Support):**	**$8,832**				
				768 Linear Feet									

Proposed

2016 SHOPP Project List
Santa Barbara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	70.9	In Los Alamos, at Route 101/135 Separation No. 51-0073L/R. Replace bridge decks.	2522	1F500	0514000003	201.110	2019/20	RW:	100	PA&ED:	650	PA&ED:	10/2/2017
								Const:	5,700	PS&E:	1,800	RW Cert:	7/15/2019
										RW:	250	RTL:	8/15/2019
										Con:	2,100	Begin Con:	3/16/2020
								Subtotal:	5,800		4,800		
				Performance Measure				**Total (Capital + Support):**	**$10,600**				
				2 Bridge(s)									
135	R7.2	Near Los Alamos, at San Antonio Creek Bridge No. 51-0006. Bridge seismic restoration.	2567	1F830	0514000065	201.113	2019/20	RW:	132	PA&ED:	676	PA&ED:	7/2/2018
								Const:	1,978	PS&E:	1,228	RW Cert:	9/1/2019
										RW:	23	RTL:	3/9/2020
										Con:	640	Begin Con:	9/17/2020
								Subtotal:	2,110		2,567		
				Performance Measure				**Total (Capital + Support):**	**$4,677**				
				1 Bridge(s)									
154	R2.6	Near Los Olivos, at Alamo Pintado Pedestrian Bridge No. 51-0076Y. Remove bridge.	2391	1C410	0512000139	201.119	2019/20	RW:	56	PA&ED:	1,125	PA&ED:	11/29/2018
								Const:	922	PS&E:	1,055	RW Cert:	10/11/2019
										RW:	50	RTL:	4/6/2020
										Con:	350	Begin Con:	8/26/2020
								Subtotal:	978		2,580		
				Performance Measure				**Total (Capital + Support):**	**$3,558**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Santa Barbara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
192	15.4/15.6	Near Carpinteria, at Arroyo Parida Creek Bridge #51-113. Replace bridge (scour).	0335	39610	0500000514	201.111	2017/18	RW:	905	PA&ED:	960	PA&ED:	6/29/2009
								Const:	6,845	PS&E:	4,266	RW Cert:	9/1/2017
										RW:	692	RTL:	1/19/2018
										Con:	1,310	Begin Con:	4/20/2018
								Subtotal:	7,750		7,228		
				Performance Measure				**Total (Capital + Support):**	**$14,978**				
				1 Bridge(s)									
217	1	Near Goleta, at the San Jose Creek Bridge # 51-0217. Replace bridge.	2386	1C360	0512000134	201.110	2019/20	RW:	61	PA&ED:	2,195	PA&ED:	3/8/2018
		(G13 Contingency Project)						Const:	0	PS&E:	3,102	RW Cert:	1/8/2020
										RW:	59	RTL:	6/9/2020
										Con:	0	Begin Con:	11/10/2020
								Subtotal:	61		5,356		
				Performance Measure				**Total (Capital + Support):**	**$5,417**				
				1 Bridge(s)									
ROADWAY PRESERVATION													
1	R0.0/19.3	Near Lompoc, from Route 101 to Route 246. Pavement rehabilitation.	2542	1F710	0514000054	201.121	2017/18	RW:	0	PA&ED:	0	PA&ED:	6/26/2014
								Const:	14,229	PS&E:	950	RW Cert:	7/3/2017
										RW:	87	RTL:	11/6/2017
										Con:	1,742	Begin Con:	3/19/2018
								Subtotal:	14,229		2,779		
				Performance Measure				**Total (Capital + Support):**	**$17,008**				
				42.6 Lane Miles									

Proposed

2016 SHOPP Project List
Santa Barbara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
1	R36.4/49.2	Near Santa Maria, from Solomon Road to Route 166. Pavement rehabilitation.	2586	1G130	0514000110	201.121	2019/20	RW:	634	PA&ED:	515	PA&ED:	7/2/2018
								Const:	8,114	PS&E:	916	RW Cert:	8/1/2019
										RW:	21	RTL:	11/1/2019
										Con:	905	Begin Con:	5/6/2020
								Subtotal:	8,748		2,357		
				Performance Measure				**Total (Capital + Support):**	**$11,105**				
				19 Lane Miles									
101	2.6/11.9	In the cities of Carpinteria and Santa Barbara, from Casitas Pass Road to north of Cabrillo Boulevard. Rehabilitate roadway. (G13 Contingency Project)	2426	1C820	0512000236	201.120	2019/20	RW:	4,232	PA&ED:	9,200	PA&ED:	1/25/2018
								Const:	0	PS&E:	13,800	RW Cert:	3/8/2019
										RW:	835	RTL:	10/22/2019
										Con:	0	Begin Con:	5/20/2020
								Subtotal:	4,232		23,835		
				Performance Measure				**Total (Capital + Support):**	**$28,067**				
				7.96 Lane Miles									
								RW:	7,763	PA&ED:	20,566		
								Const:	61,789	PS&E:	37,328		
										RW:	2,585		
										Con:	14,782		
								Subtotal:	69,552		75,261		

Santa Barbara County Total (Capital + Support): $144,813

Proposed

2016 SHOPP Project List
Santa Clara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MAJOR DAMAGE RESTORATION										
101	R5.1	In Gilroy, at 0.5 mile north of Monterey Road. Fill voids under pavement and repair eroded embankment slope.	1485C	2J460	0414000518	201.131	2017/18	RW: 10 Const: 564	PA&ED: 220 PS&E: 118 RW: 10 Con: 200	PA&ED: 7/15/2016 RW Cert: 7/6/2017 RTL: 9/1/2017 Begin Con: 5/3/2018
								Subtotal: 574	548	
				Performance Measure 1 Location(s)			**Total (Capital + Support):**	**$1,122**		
COLLISION REDUCTION										
82	R11.3/13.6	In the city of Santa Clara, from Harrison Street to Alpine Avenue at various locations. Install pedestrian crosswalk safety enhancements. (Financial Contribution Only)	0158H	4H752	0416000120	201.015	2016/17	RW: 0 Const: 766	PA&ED: 104 PS&E: 0 RW: 0 Con: 0	PA&ED: RW Cert: RTL: Begin Con:
								Subtotal: 766	104	
				Performance Measure 24 Collisions Reduced			**Total (Capital + Support):**	**$870**		
85	2.0/4.5	In San Jose, from Cottle Road to south of Route 85/87 Separation at various locations. Pave between edge of shoulder and sound wall.	0085V	4G990	0413000234	201.235	2016/17	RW: 5 Const: 2,075	PA&ED: 144 PS&E: 400 RW: 36 Con: 400	PA&ED: 10/15/2015 RW Cert: 12/1/2016 RTL: 12/14/2016 Begin Con: 6/7/2017
								Subtotal: 2,080	980	
				Performance Measure 1 Location(s)			**Total (Capital + Support):**	**$3,060**		

Proposed

2016 SHOPP Project List
Santa Clara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	17.8/41.1	In Santa Clara, San Mateo and San Francisco Counties, on various routes, various locations. Upgrade pump houses.	0086X	4G950	0413000235	201.235	2016/17	RW:	5	PA&ED:	210	PA&ED:	4/28/2015
								Const:	1,980	PS&E:	310	RW Cert:	9/8/2016
										RW:	50	RTL:	9/30/2016
										Con:	450	Begin Con:	4/27/2017
								Subtotal:	1,985		1,020		
				Performance Measure				**Total (Capital + Support):**	**$3,005**				
				31 Location(s)									
101	R28.5/40.7	Near San Jose, from Blossom Hill Road to Trimble Road at various locations. Pave beyond gore areas.	0085Y	4H000	0413000236	201.235	2016/17	RW:	10	PA&ED:	144	PA&ED:	12/31/2015
								Const:	2,181	PS&E:	288	RW Cert:	3/17/2017
										RW:	36	RTL:	3/31/2017
										Con:	288	Begin Con:	7/14/2017
								Subtotal:	2,191		756		
				Performance Measure				**Total (Capital + Support):**	**$2,947**				
				22 Location(s)									
152	0.0/5.2	In Santa Clara, from Hecker pass to Uvas Creek. Environmental species mitigation.	0483R	2A252	0413000403	201.010	2016/17	RW:	2,000	PA&ED:	0	PA&ED:	3/3/2010
								Const:	1	PS&E:	350	RW Cert:	3/18/2017
										RW:	150	RTL:	4/1/2017
										Con:	0	Begin Con:	n/a
								Subtotal:	2,001		500		
				Performance Measure				**Total (Capital + Support):**	**$2,501**				
				78 Collisions Reduced									

Proposed

2016 SHOPP Project List
Santa Clara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
152	0.0/6.2	Near Gilroy, at various locations from Pole Line Road to Burchell Road. Planting and environmental mitigation.	0483Q	2A251	0413000402	201.010	2017/18	RW:	1,000	PA&ED:	0	PA&ED:	2/4/2013
								Const:	1,100	PS&E:	440	RW Cert:	3/1/2018
										RW:	300	RTL:	4/1/2018
										Con:	195	Begin Con:	8/31/2018
								Subtotal:	2,100		935		
				Performance Measure			**Total (Capital + Support):**		**$3,035**				
				78 Collisions Reduced									
152	13.8/14.7	Near Gilroy, from 0.6 mile west to 0.2 mile east of the Prunedale Avenue intersection. Construct shoulders, install rumble strips and soft median barrier.	0730F	1G870	0400020620	201.010	2016/17	RW:	441	PA&ED:	721	PA&ED:	6/30/2015
								Const:	4,660	PS&E:	730	RW Cert:	2/15/2017
										RW:	370	RTL:	3/1/2017
										Con:	795	Begin Con:	8/15/2017
								Subtotal:	5,101		2,616		
				Performance Measure			**Total (Capital + Support):**		**$7,717**				
				62 Collisions Reduced									
152	16.2/19.5	Near Gilroy, from Old Lake Road to San Felipe Road. Environmental species mitigation.	0485Q	2A442	0412000582	201.010	2017/18	RW:	913	PA&ED:	0	PA&ED:	3/16/2010
								Const:	1	PS&E:	350	RW Cert:	2/11/2018
										RW:	250	RTL:	3/15/2018
										Con:	0	Begin Con:	n/a
								Subtotal:	914		600		
				Performance Measure			**Total (Capital + Support):**		**$1,514**				
				15 Collisions Reduced									

Proposed

2016 SHOPP Project List
Santa Clara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
152	21.8/R35.2	Near Gilroy, from east of Dunne Street/San Felipe Road to the Merced County line. Place median barrier.	0480K	0J800	0414000067	201.010	2019/20	RW:	60	PA&ED:	1,375	PA&ED:	12/31/2018
								Const:	10,984	PS&E:	1,227	RW Cert:	5/1/2020
										RW:	65	RTL:	6/1/2020
										Con:	1,766	Begin Con:	11/2/2020
								Subtotal:	11,044		4,433		
				Performance Measure				**Total (Capital + Support):**	**$15,477**				
				79 Collisions Reduced									
152	6.1/R35.2	In and near Gilroy, from 1.1 miles east of Watsonville Road to Merced County line. Install rumble strips.	0487N	4H860	0413000292	201.015	2016/17	RW:	6	PA&ED:	108	PA&ED:	1/29/2016
								Const:	1,632	PS&E:	234	RW Cert:	1/3/2017
										RW:	72	RTL:	2/1/2017
										Con:	306	Begin Con:	7/14/2017
								Subtotal:	1,638		720		
				Performance Measure				**Total (Capital + Support):**	**$2,358**				
				4 Collisions Reduced									
237	R0.0/R0.2	In Mountain View, from El Camino Real (Route 82) to east of Church Street. Install median barrier.	1482M	2J660	0414000542	201.010	2016/17	RW:	50	PA&ED:	0	PA&ED:	6/8/2015
								Const:	2,352	PS&E:	450	RW Cert:	4/3/2017
										RW:	27	RTL:	4/12/2017
										Con:	518	Begin Con:	9/13/2017
								Subtotal:	2,402		995		
				Performance Measure				**Total (Capital + Support):**	**$3,397**				
				2.3 Collisions Reduced									

Proposed

2016 SHOPP Project List
Santa Clara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
280	14.9	In Los Altos, on northbound off-ramp at El Monte Avenue. Realign off-ramp.	0211Z	4H880	0413000296	201.010	2016/17	RW:	10	PA&ED:	0	PA&ED:	3/4/2014
								Const:	868	PS&E:	360	RW Cert:	11/15/2016
										RW:	10	RTL:	12/2/2016
										Con:	360	Begin Con:	8/17/2017
								Subtotal:	878		730		
				Performance Measure			**Total (Capital + Support):**		**$1,608**				
				35 Collisions Reduced									
680	M0.0/M9.9	In San Jose and Milpitas, from Route 101 to Scott Creek Road at various locations. Construct maintenance worker safety improvements.	0481T	0J660	0414000023	201.235	2018/19	RW:	10	PA&ED:	440	PA&ED:	6/13/2017
								Const:	8,814	PS&E:	1,320	RW Cert:	1/8/2019
										RW:	110	RTL:	1/15/2019
										Con:	1,320	Begin Con:	7/15/2019
								Subtotal:	8,824		3,190		
				Performance Measure			**Total (Capital + Support):**		**$12,014**				
				160 Location(s)									
880	1.3/1.4	In San Jose, on northbound Route 880 off-ramp to westbound Bascom Avenue; also on southbound Route 880 off-ramp to Bascom Avenue. Construct concrete median barriers.	0730C	1G860	0400020618	201.015	2016/17	RW:	53	PA&ED:	119	PA&ED:	8/20/2015
								Const:	1,830	PS&E:	400	RW Cert:	3/15/2017
										RW:	72	RTL:	4/12/2017
										Con:	400	Begin Con:	8/15/2017
								Subtotal:	1,883		991		
				Performance Measure			**Total (Capital + Support):**		**$2,874**				
				6 Collisions Reduced									

Proposed

2016 SHOPP Project List
Santa Clara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year		Capital		Support		Milestones
MANDATES													
85	18.0/24.1	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 ADA standards.	0434G	2G730	0400021202	201.361	2018/19	RW:	50	PA&ED:	442	PA&ED:	10/2/2017
								Const:	1,853	PS&E:	663	RW Cert:	5/1/2019
										RW:	102	RTL:	6/3/2019
										Con:	442	Begin Con:	12/10/2019
								Subtotal:	1,903		1,649		
				Performance Measure			**Total (Capital + Support):**		**$3,552**				
				41 Curb Ramps									
BRIDGE PRESERVATION													
9	4.9	Near Saratoga, at Saratoga Creek Bridge No. 37-0074. Replace bridge.	0386F	3G630	0412000409	201.110	2017/18	RW:	6,779	PA&ED:	1,200	PA&ED:	3/14/2017
								Const:	11,668	PS&E:	1,400	RW Cert:	6/17/2018
										RW:	396	RTL:	6/18/2018
										Con:	1,526	Begin Con:	10/17/2018
								Subtotal:	18,447		4,522		
				Performance Measure			**Total (Capital + Support):**		**$22,969**				
				1 Bridge(s)									
9	4.9	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.	1482R	2J780	0415000017	201.119	2019/20	RW:	10	PA&ED:	900	PA&ED:	10/1/2018
								Const:	2,391	PS&E:	750	RW Cert:	5/1/2020
										RW:	44	RTL:	6/1/2020
										Con:	600	Begin Con:	12/22/2020
								Subtotal:	2,401		2,294		
				Performance Measure			**Total (Capital + Support):**		**$4,695**				
				5 Bridge(s)									

Proposed

2016 SHOPP Project List
Santa Clara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
85	R20.0	Near Sunnyvale, at Stevens Creek Bridge No. 37-0185, 0.2 mile north of Fremont Avenue undercrossing. Overlay southbound deck with polyester concrete and overlay northbound deck with reinforced concrete.	0440Q	4G830	0413000054	201.110	2016/17	RW:	10	PA&ED:	360	PA&ED:	12/28/2015
								Const:	4,319	PS&E:	500	RW Cert:	3/15/2017
										RW:	72	RTL:	3/24/2017
										Con:	600	Begin Con:	9/24/2017
								Subtotal:	4,329		1,532		
				Performance Measure				**Total (Capital + Support):**	**$5,861**				
				1 Bridge(s)									
101	VAR	In various cities, on Routes 101 and 237 at various locations. Bridge rail upgrade at 8 locations. (G13 Contingency Project)	0481H	0J560	0414000013	201.112	2019/20	RW:	30	PA&ED:	1,800	PA&ED:	9/15/2018
								Const:	0	PS&E:	2,250	RW Cert:	3/16/2020
										RW:	30	RTL:	6/15/2020
										Con:	0	Begin Con:	12/21/2020
								Subtotal:	30		4,080		
				Performance Measure				**Total (Capital + Support):**	**$4,110**				
				5956 Linear Feet									
152	6.1/6.5	Near Gilroy, at Uvas Creek. Required environmental species mitigation for bridge replacement project EA 04-44880.	0487M	44884	0400021236	201.111	2016/17	RW:	0	PA&ED:	0	PA&ED:	10/1/2010
								Const:	800	PS&E:	200	RW Cert:	5/31/2017
										RW:	130	RTL:	5/31/2017
										Con:	0	Begin Con:	9/11/2017
								Subtotal:	800		330		
				Performance Measure				**Total (Capital + Support):**	**$1,130**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Santa Clara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
280	R2.9/17.8	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.	1483K	2J750	0415000338	201.113	2019/20	RW:	90	PA&ED:	1,144	PA&ED:	2/27/2018
								Const:	2,414	PS&E:	1,034	RW Cert:	7/30/2019
										RW:	66	RTL:	8/28/2019
										Con:	550	Begin Con:	2/28/2020
								Subtotal:	2,504		2,794		
				Performance Measure				**Total (Capital + Support):**	**$5,298**				
				3 Bridge(s)									

ROADWAY PRESERVATION

17	2.8/13.9	In and near Los Gatos, Campbell and San Jose, from Hebard Way to Route 280. Pavement rehabilitation.	1480B	1J970	0414000404	201.121	2019/20	RW:	20	PA&ED:	1,750	PA&ED:	7/2/2018
								Const:	30,141	PS&E:	2,750	RW Cert:	1/17/2020
										RW:	150	RTL:	1/27/2020
										Con:	3,150	Begin Con:	7/15/2020
								Subtotal:	30,161		7,800		
				Performance Measure				**Total (Capital + Support):**	**$37,961**				
				50 Lane Miles									
82	9.8/14.4	In San Jose, from McKendrie Street to Lawrence Expressway. Pavement rehabilitation.	1490C	4J280	0415000315	201.121	2018/19	RW:	70	PA&ED:	245	PA&ED:	6/1/2017
								Const:	10,711	PS&E:	1,103	RW Cert:	2/1/2019
										RW:	44	RTL:	3/1/2019
										Con:	1,103	Begin Con:	9/11/2019
								Subtotal:	10,781		2,495		
				Performance Measure				**Total (Capital + Support):**	**$13,276**				
				26 Lane Miles									

Proposed

2016 SHOPP Project List
Santa Clara
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
280	11.5/20.6	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.	0449A	3J320	0415000131	201.121	2018/19	RW:	50	PA&ED:	1,853	PA&ED:	12/1/2017
								Const:	47,574	PS&E:	3,284	RW Cert:	4/1/2019
										RW:	48	RTL:	5/1/2019
										Con:	6,661	Begin Con:	10/8/2019
								Subtotal:	47,624		11,846		
				Performance Measure				**Total (Capital + Support):**	**$59,470**				
				90.00 Lane Miles									
								RW:	11,682	PA&ED:	13,279		
								Const:	151,679	PS&E:	20,911		
										RW:	2,640		
										Con:	21,630		
								Subtotal:	163,361		58,460		

Santa Clara County Total (Capital + Support): $221,821

Proposed

2016 SHOPP Project List
Santa Cruz
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
1	R0.0/R8.1	In Santa Cruz and Monterey Counties, from south of Salinas Road to south of Larkin Valley Road Undercrossing. Construct maintenance vehicle pull outs, repairing guardrail, improve gate access and relocate irrigation equipment.	2452	1C980	0513000021	201.235	2018/19	RW:	0	PA&ED:	652	PA&ED:	1/31/2018
								Const:	2,765	PS&E:	1,097	RW Cert:	3/28/2019
										RW:	49	RTL:	6/20/2019
										Con:	1,225	Begin Con:	2/6/2020
								Subtotal:	2,765		3,023		
				Performance Measure			**Total (Capital + Support):**		**$5,788**				
				75 Location(s)									
9	22.1/23.8	In Castle Rock State Park, from 5 miles south to 3.3 miles south of Route 35. Widen shoulders, replace guardrail and construct centerline rumble strips.	2418	1C650	0512000185	201.015	2017/18	RW:	0	PA&ED:	1,050	PA&ED:	1/4/2016
								Const:	7,658	PS&E:	1,842	RW Cert:	7/3/2017
										RW:	40	RTL:	7/14/2017
										Con:	1,350	Begin Con:	1/17/2018
								Subtotal:	7,658		4,282		
				Performance Measure			**Total (Capital + Support):**		**$11,940**				
				73 Collisions Reduced									
17	0.1/0.4	Near the city of Santa Cruz, from southbound exit ramp to Route 1 to entrance ramp from Pasatiempo Drive. Widen shoulder and construct retaining wall.	2422	1C670	0512000194	201.010	2017/18	RW:	93	PA&ED:	1,101	PA&ED:	3/1/2016
								Const:	5,713	PS&E:	1,451	RW Cert:	12/1/2017
										RW:	198	RTL:	4/2/2018
										Con:	1,413	Begin Con:	11/30/2018
								Subtotal:	5,806		4,163		
				Performance Measure			**Total (Capital + Support):**		**$9,969**				
				100 Collisions Reduced									

Proposed

2016 SHOPP Project List
Santa Cruz
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
129	1.8/9.9	Near Watsonville in Santa Cruz County. Also in San Benito County at School Road. Place open graded friction pavement and upgrade guardrail.	2476	1F030	0513000037	201.010	2016/17	RW:	14	PA&ED:	0	PA&ED:	6/30/2014
								Const:	6,946	PS&E:	1,658	RW Cert:	11/28/2016
										RW:	69	RTL:	12/15/2016
										Con:	1,092	Begin Con:	4/4/2017
								Subtotal:	6,960		2,819		
				Performance Measure				**Total (Capital + Support):**	**$9,779**				
				131 Collisions Reduced									
129	3.2/3.5	Near Watsonville, at Carlton Road. Improve intersection.	2506	1F350	0513000103	201.010	2017/18	RW:	277	PA&ED:	543	PA&ED:	7/1/2016
								Const:	2,045	PS&E:	674	RW Cert:	3/29/2018
										RW:	309	RTL:	3/29/2018
										Con:	508	Begin Con:	7/11/2018
								Subtotal:	2,322		2,034		
				Performance Measure				**Total (Capital + Support):**	**$4,356**				
				31 Collisions Reduced									
152	3.7/8.2	Near Watsonville, from Carlton/Casserly Road to Pole Line Road. Install centerline rumble strips.	2598	1G400	0515000009	201.010	2016/17	RW:	0	PA&ED:	0	PA&ED:	6/11/2015
								Const:	463	PS&E:	452	RW Cert:	3/3/2016
										RW:	33	RTL:	7/22/2016
										Con:	218	Begin Con:	10/26/2016
								Subtotal:	463		703		
				Performance Measure				**Total (Capital + Support):**	**$1,166**				
				13 Collisions Reduced									

Proposed

2016 SHOPP Project List
Santa Cruz
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MANDATES										
9	0.1/7.5	In and near the city of Santa Cruz, from Route 1 to north of Fall Creek Drive. Stormwater improvements.	2569	1F920	0514000075	201.335	2019/20	RW: 214 Const: 2,356	PA&ED: 745 PS&E: 1,192 RW: 1,287 Con: 812	PA&ED: 10/4/2017 RW Cert: 4/27/2020 RTL: 5/4/2020 Begin Con: 10/30/2020
								Subtotal: 2,570	4,036	
				Performance Measure 7.96 Acres				**Total (Capital + Support): $6,606**		
17	0.7/1.4	In Santa Cruz, from 0.7 mile north of Route 1/17 Separation to Beulah Park Undercrossing. Landscape mitigation for PPNO 1989.	1989Y	0Q601	0514000145	201.335	2017/18	RW: 0 Const: 507	PA&ED: 0 PS&E: 500 RW: 18 Con: 537	PA&ED: 8/28/2014 RW Cert: 11/17/2016 RTL: 7/6/2017 Begin Con: 2/21/2018
								Subtotal: 507	1,055	
				Performance Measure 10 Acres				**Total (Capital + Support): $1,562**		
152	1.3/R2.0	In Watsonville, from Wagner Avenue to Holohan Road. Construct pedestrian infrastructure.	2464	1E020	0513000025	201.378	2017/18	RW: 195 Const: 1,565	PA&ED: 494 PS&E: 716 RW: 331 Con: 467	PA&ED: 1/15/2016 RW Cert: 1/11/2018 RTL: 1/11/2018 Begin Con: 7/23/2018
								Subtotal: 1,760	2,008	
				Performance Measure 73 Structure(s)				**Total (Capital + Support): $3,768**		

Proposed

2016 SHOPP Project List
Santa Cruz
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
VAR	VAR	In Santa Cruz County, on Routes 1, 9, 17, 129, and 152 at various locations. Install Accessible Pedestrian Signals (APS).	2590	1G160	0514000118	201.361	2018/19	RW:	11	PA&ED:	272	PA&ED:	3/8/2017
								Const:	1,337	PS&E:	883	RW Cert:	5/9/2018
										RW:	20	RTL:	10/1/2018
										Con:	486	Begin Con:	4/11/2019
								Subtotal:	1,348		1,661		
				Performance Measure				**Total (Capital + Support):**	**$3,009**				
				176 Curb Ramps									

BRIDGE PRESERVATION

1	VAR	Near the city of Santa Cruz, on Routes 1 and 17 at various locations. Bridge rail replacement and upgrades.	2585	1F520	0514000005	201.112	2018/19	RW:	0	PA&ED:	0	PA&ED:	6/30/2015
								Const:	4,167	PS&E:	902	RW Cert:	4/2/2018
										RW:	47	RTL:	7/2/2018
										Con:	1,059	Begin Con:	11/1/2018
								Subtotal:	4,167		2,008		
				Performance Measure				**Total (Capital + Support):**	**$6,175**				
				1375 Linear Feet									

ROADWAY PRESERVATION

1	10.2/17.5	Near the city of Santa Cruz, from North Aptos Underpass to Route 9. Rehabilitate pavement.	2432	1C850	0512000240	201.121	2017/18	RW:	0	PA&ED:	147	PA&ED:	7/5/2016
								Const:	14,971	PS&E:	1,030	RW Cert:	7/31/2017
										RW:	10	RTL:	2/1/2018
										Con:	1,082	Begin Con:	7/17/2018
								Subtotal:	14,971		2,269		
				Performance Measure				**Total (Capital + Support):**	**$17,240**				
				32 Lane Miles									

Proposed

2016 SHOPP Project List
Santa Cruz
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
17	6.0/12.6	In and near Scotts Valley, from north of Santa's Village Road to the Santa Clara County line. Pavement rehabilitation.	2538	1F760	0514000051	201.121	2018/19	RW:	7	PA&ED:	0	PA&ED:	12/16/2014
								Const:	15,381	PS&E:	1,932	RW Cert:	5/15/2018
										RW:	64	RTL:	7/16/2018
										Con:	1,660	Begin Con:	1/16/2019
								Subtotal:	15,388		3,656		
				Performance Measure			**Total (Capital + Support):**		**$19,044**				
				26.2 Lane Miles									
								RW:	811	PA&ED:	5,004		
								Const:	65,874	PS&E:	14,329		
										RW:	2,475		
										Con:	11,909		
								Subtotal:	66,685		33,717		

Santa Cruz County Total (Capital + Support): $100,402

Proposed

2016 SHOPP Project List
Shasta
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
5	0.0/67.0	In Shasta County at various locations. Improvements to reduce maintenance worker exposure.	3551	4G570	0214000026	201.235	2019/20	RW: 13 Const: 2,146	PA&ED: 200 PS&E: 360 RW: 86 Con: 390	PA&ED: 10/5/2018 RW Cert: 7/12/2019 RTL: 8/2/2019 Begin Con: 3/14/2020
								Subtotal: 2,159	1,036	
				Performance Measure 24 Location(s)				**Total (Capital + Support): $3,195**		
5	0.0/67.0	In and near Redding, from the Tehama County Line to the Siskiyou County Line. Improve roadside clear recovery zone.	3506	4F510	0213000001	201.015	2017/18	RW: 780 Const: 5,600	PA&ED: 1,300 PS&E: 900 RW: 800 Con: 1,300	PA&ED: 9/30/2016 RW Cert: 12/15/2017 RTL: 2/2/2018 Begin Con: 8/31/2018
								Subtotal: 6,380	4,300	
				Performance Measure 402 Collisions Reduced				**Total (Capital + Support): $10,680**		
5	R31.0/31.7	Near Shasta Lake City, at O'Brien Safety Roadside Rest Area (SRRA). Upgrade potable water system and wastewater systems.	3552	4G580	0214000027	201.235	2019/20	RW: 3 Const: 3,007	PA&ED: 400 PS&E: 1,180 RW: 140 Con: 940	PA&ED: 11/1/2017 RW Cert: 7/1/2019 RTL: 10/1/2019 Begin Con: 3/1/2020
								Subtotal: 3,010	2,660	
				Performance Measure 1 Location(s)				**Total (Capital + Support): $5,670**		

Proposed

2016 SHOPP Project List
Shasta
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
VAR		In Shasta, Butte, Lassen, Siskiyou and Trinity counties, on various routes at various locations. Upgrade chain control facilities.	3523	4F780	0213000032	201.235	2017/18	RW:	296	PA&ED:	1,200	PA&ED:	9/5/2016
								Const:	7,400	PS&E:	1,070	RW Cert:	2/2/2018
										RW:	330	RTL:	3/15/2018
										Con:	1,410	Begin Con:	9/4/2018
								Subtotal:	7,696		4,010		
				Performance Measure				**Total (Capital + Support):**	**$11,706**				
				17 Location(s)									

MANDATES

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
151	5.5/R5.8	In Shasta Lake City, from west of Coram Underpass to Locust Avenue. Upgrade curbs, sidewalks and crosswalks.	3524	4F790	0213000033	201.378	2017/18	RW:	317	PA&ED:	205	PA&ED:	12/11/2015
								Const:	1,683	PS&E:	295	RW Cert:	5/1/2017
										RW:	250	RTL:	8/1/2017
										Con:	250	Begin Con:	1/2/2018
								Subtotal:	2,000		1,000		
				Performance Measure				**Total (Capital + Support):**	**$3,000**				
				21 Structure(s)									

BRIDGE PRESERVATION

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
5	57.4	Near Pollard Flat, at Sims Road Undercrossing Bridge No. 06-0111. Replace bridge.	3542	4G400	0214000009	201.110	2019/20	RW:	0	PA&ED:	590	PA&ED:	2/1/2018
								Const:	5,939	PS&E:	1,420	RW Cert:	5/1/2019
										RW:	130	RTL:	8/1/2019
										Con:	2,230	Begin Con:	1/2/2020
								Subtotal:	5,939		4,370		
				Performance Measure				**Total (Capital + Support):**	**$10,309**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Shasta
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
5	66.8	Near Dunsmuir, at Crag View Drive Undercrossing Bridge No. 06-0095. Replace bridge.	3543	4G410	0214000010	201.110	2019/20	RW:	0	PA&ED:	660	PA&ED:	2/1/2018
								Const:	7,483	PS&E:	1,610	RW Cert:	9/15/2019
										RW:	130	RTL:	10/15/2019
										Con:	2,820	Begin Con:	4/23/2020
								Subtotal:	7,483		5,220		
				Performance Measure				**Total (Capital + Support):**	**$12,703**				
				1 Bridge(s)									
5	R28.0/R29.0	Near the city of Shasta Lake, from 0.2 mile south to 0.9 mile north of Pitt River Bridge Overhead No. 06-0021. Replace bridge deck overlay and rehabilitate bridge catwalk.	3548	4G520	0214000022	201.119	2017/18	RW:	345	PA&ED:	360	PA&ED:	9/15/2016
								Const:	9,300	PS&E:	630	RW Cert:	9/8/2017
										RW:	70	RTL:	9/22/2017
										Con:	1,900	Begin Con:	2/23/2018
								Subtotal:	9,645		2,960		
				Performance Measure				**Total (Capital + Support):**	**$12,605**				
				1 Bridge(s)									
44	59.6	Near Old Station, at Hat Creek Bridge No.06-0084. Replace Bridge.	3483	4F200	0212000071	201.110	2017/18	RW:	327	PA&ED:	620	PA&ED:	7/29/2016
								Const:	4,160	PS&E:	780	RW Cert:	2/23/2018
										RW:	170	RTL:	3/23/2018
										Con:	1,140	Begin Con:	8/31/2018
								Subtotal:	4,487		2,710		
				Performance Measure				**Total (Capital + Support):**	**$7,197**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Shasta
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
ROADWAY PRESERVATION										
273	3.8/7.1	In and near Anderson, on Route 273 at PM 3.8/7.1 and PM 11.0/12.7; also near Redding, on Route 5 at PM R3.3/R3.8. Rehabilitate pavement.	3544	4G420	0214000011	201.121	2017/18	RW: 233 Const: 8,520	PA&ED: 880 PS&E: 990 RW: 500 Con: 990	PA&ED: 9/16/2016 RW Cert: 2/16/2018 RTL: 3/16/2018 Begin Con: 8/17/2018
				Performance Measure 20.6 Lane Miles				Subtotal: 8,753 **Total (Capital + Support): $12,113**	3,360	
299	7.6/18.3	In and near the town of Shasta, from west of Crystal Creek Road to Trinity Alley. Rehabilitate roadway. (G13 Contingency Project)	3456	3E740	0200020160	201.120	2019/20	RW: 57 Const: 0	PA&ED: 3,480 PS&E: 2,990 RW: 390 Con: 0	PA&ED: 2/5/2018 RW Cert: 5/24/2019 RTL: 7/1/2019 Begin Con: 12/17/2019
				Performance Measure 21 Lane Miles				Subtotal: 57 **Total (Capital + Support): $6,917**	6,860	
299	77.8/79.7	Near Burney, from west of Sonoma Street to west of Route 89. Rehabilitate roadway.	3449	4E020	0200020196	201.120	2017/18	RW: 51 Const: 7,500	PA&ED: 500 PS&E: 580 RW: 100 Con: 1,000	PA&ED: 10/2/2015 RW Cert: 7/7/2017 RTL: 7/24/2017 Begin Con: 12/20/2017
				Performance Measure 5.8 Lane Miles				Subtotal: 7,551 **Total (Capital + Support): $9,731**	2,180	

Proposed

2016 SHOPP Project List
Shasta
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
MOBILITY													
44	R4.6/R6.4	Near Palo Cedro, from Clough Creek bridge to 0.6 mile west of Deschutes Road overcrossing. Traffic operational improvements.	3595	36841	0215000066	201.310	2016/17	RW:	500	PA&ED:	200	PA&ED:	11/2/2015
								Const:	0	PS&E:	1,200	RW Cert:	2/1/2017
										RW:	500	RTL:	3/1/2017
										Con:	0	Begin Con:	9/13/2017
		(G13 Contingency Project)						Subtotal:	500		1,900		
				Performance Measure			**Total (Capital + Support):**		**$2,400**				
				1 1000 Vehicle									
								RW:	2,922	PA&ED:	10,595		
								Const:	62,738	PS&E:	14,005		
										RW:	3,596		
										Con:	14,370		
								Subtotal:	65,660		42,566		

Shasta County Total (Capital + Support): $108,226

Proposed

2016 SHOPP Project List
Sierra
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
49	0.0/15.9	In Sierra, Nevada, and El Dorado counties on Routes 49, 89 and 193 at various locations. Upgrade guard rail to current standards.	7778	4F630	0314000231	201.015	2018/19	RW:	60	PA&ED:	85	PA&ED:	8/1/2017
								Const:	1,410	PS&E:	605	RW Cert:	8/1/2018
										RW:	10	RTL:	9/1/2018
										Con:	590	Begin Con:	3/1/2019
								Subtotal:	1,470		1,290		
				Performance Measure			**Total (Capital + Support):**		**$2,760**				
				4 Collisions Reduced									

RW:	60	PA&ED:	85
Const:	1,410	PS&E:	605
		RW:	10
		Con:	590
Subtotal:	1,470		1,290

Sierra County Total (Capital + Support): $2,760

Proposed

2016 SHOPP Project List
Siskiyou
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
97	21.8	Near Macdoel, at Grass Lake Safety Roadside Rest Area. Upgrade water and wastewater systems.	3477	4E680	0212000032	201.235	2017/18	RW: 12 Const: 2,100	PA&ED: 490 PS&E: 420 RW: 60 Con: 630	PA&ED: 5/1/2016 RW Cert: 5/25/2017 RTL: 9/1/2017 Begin Con: 3/29/2018
				Performance Measure 1 Location(s)				Subtotal: 2,112 **Total (Capital + Support): $3,712**	1,600	
BRIDGE PRESERVATION										
5	R15.3/R16.5	Near Weed, from south of Deetz Road Undercrossing No. 02-0161 to north of Black Butte Overhead No. 02-0004. Bridge replacement.	3509	4F540	0213000004	201.110	2017/18	RW: 68 Const: 8,600	PA&ED: 500 PS&E: 1,200 RW: 190 Con: 2,040	PA&ED: 12/4/2015 RW Cert: 7/14/2017 RTL: 11/17/2017 Begin Con: 5/18/2018
				Performance Measure 1 Bridge(s)				Subtotal: 8,668 **Total (Capital + Support): $12,598**	3,930	
5	R25.2	Near Edgewood, from 0.4 mile south to 0.4 mile north of North Edgewood Overhead #02-0032L&R. Strengthen and upgrade bridges.	3535	4G240	0213000095	201.322	2016/17	RW: 39 Const: 4,000	PA&ED: 680 PS&E: 750 RW: 210 Con: 870	PA&ED: 8/17/2015 RW Cert: 3/3/2017 RTL: 3/22/2017 Begin Con: 8/18/2017
				Performance Measure 2 Bridge(s)				Subtotal: 4,039 **Total (Capital + Support): $6,549**	2,510	

Proposed

2016 SHOPP Project List
Siskiyou
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
89	20.9/21.2	Near McCloud, at Mud Creek Bridge No. 02 -0046. Replace bridge.	3519	4F550	0213000005	201.110	2017/18	RW:	81	PA&ED:	550	PA&ED:	12/1/2016
								Const:	2,600	PS&E:	510	RW Cert:	12/22/2017
										RW:	150	RTL:	1/19/2018
										Con:	630	Begin Con:	7/25/2018
								Subtotal:	2,681		1,840		
				Performance Measure				**Total (Capital + Support):**	**$4,521**				
				1 Bridge(s)									
263	57.1	Near Yreka, at Klamath River Bridge. Replace bridge.	3424	2E480	0200000586	201.110	2017/18	RW:	330	PA&ED:	1,800	PA&ED:	10/6/2016
								Const:	8,500	PS&E:	1,600	RW Cert:	3/30/2018
										RW:	180	RTL:	4/27/2018
										Con:	1,900	Begin Con:	10/19/2018
								Subtotal:	8,830		5,480		
				Performance Measure				**Total (Capital + Support):**	**$14,310**				
				1 Bridge(s)									
ROADWAY PRESERVATION													
5	2.7/R11.4	In and near Dunsmuir, from Sacramento River bridge to 0.6 mile south of North Mount Shasta underpass. Rehabilitate roadway.	3560	4G550	0214000036	201.122	2016/17	RW:	464	PA&ED:	4,590	PA&ED:	3/18/2016
								Const:	53,600	PS&E:	4,300	RW Cert:	2/17/2017
										RW:	270	RTL:	3/3/2017
										Con:	4,870	Begin Con:	9/20/2017
								Subtotal:	54,064		14,030		
				Performance Measure				**Total (Capital + Support):**	**$68,094**				
				21 Lane Miles									

Proposed

2016 SHOPP Project List
Siskiyou
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
96	23.2/56.0	In and near Happy Camp, from west of Swillup Creek Bridge to 3.6 miles east of Thompson Creek Bridge. Drainage system restoration.	3314	4C150	0213000132	201.151	2017/18	RW:	200	PA&ED:	500	PA&ED:	10/7/2016
								Const:	1,608	PS&E:	532	RW Cert:	3/9/2018
										RW:	92	RTL:	4/6/2018
										Con:	469	Begin Con:	9/7/2018
								Subtotal:	1,808		1,593		
				Performance Measure				**Total (Capital + Support):**	**$3,401**				
				20 Drainage System(s)									

MOBILITY

5	VAR	In Siskiyou and Shasta counties on Routes 5 and 89 at various locations. Upgrade Transportation Management System (TMS) field elements.	3556	4G630	0214000030	201.315	2018/19	RW:	10	PA&ED:	390	PA&ED:	10/20/2017
								Const:	2,200	PS&E:	710	RW Cert:	8/17/2018
										RW:	140	RTL:	9/28/2018
										Con:	720	Begin Con:	3/15/2019
								Subtotal:	2,210		1,960		
				Performance Measure				**Total (Capital + Support):**	**$4,170**				
				16 Field Elements									

ROADSIDE PRESERVATION

5	R58.0	Near Hornbrook, at the Collier Safety Roadside Rest Area. Rehabilitate the potable water supply and waste water system.	3476	4E670	0212000031	201.250	2016/17	RW:	10	PA&ED:	2,150	PA&ED:	6/3/2016
								Const:	3,300	PS&E:	550	RW Cert:	6/10/2016
										RW:	36	RTL:	8/9/2016
										Con:	1,450	Begin Con:	2/3/2017
								Subtotal:	3,310		4,186		
				Performance Measure				**Total (Capital + Support):**	**$7,496**				
				1 Location(s)									

Proposed

2016 SHOPP Project List
Siskiyou
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 1,214	PA&ED: 11,650	
								Const: 86,508	PS&E: 10,572	
									RW: 1,328	
									Con: 13,579	
								Subtotal: 87,722	37,129	

Siskiyou County Total (Capital + Support): $124,851

Proposed

2016 SHOPP Project List
Solano
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
12	19.2	Near Rio Vista, at the intersection of Route 12 and Route 113. Install roundabout.	8060A	4G560	0412000504	201.010	2017/18	RW: 71 Const: 4,671	PA&ED: 594 PS&E: 684 RW: 54 Con: 468	PA&ED: 1/2/2017 RW Cert: 4/1/2018 RTL: 5/1/2018 Begin Con: 9/1/2018
								Subtotal: 4,742	1,800	
				Performance Measure 3 Bridge(s)				**Total (Capital + Support): $6,542**		
80	1.1/R25.1	In and near Vallejo, Fairfield and Vacaville, from Route 29 to Alamo Drive; also in Vallejo on Route 37 at Route 80 (PM R11.45). Install roadside safety improvements.	0481C	4G960	0413000147	201.235	2016/17	RW: 15 Const: 2,573	PA&ED: 216 PS&E: 450 RW: 54 Con: 450	PA&ED: 7/17/2015 RW Cert: 6/15/2016 RTL: 6/30/2016 Begin Con: 1/30/2017
								Subtotal: 2,588	1,170	
				Performance Measure 27 Location(s)				**Total (Capital + Support): $3,758**		
80	30.6/38.4	In and near Vacaville and Dixon, from west of Gibson Canyon Creek Bridge to Curry Road. Upgrade median barrier.	0876B	4A110	0412000497	201.010	2017/18	RW: 10 Const: 14,700	PA&ED: 0 PS&E: 2,200 RW: 200 Con: 2,600	PA&ED: 10/31/2013 RW Cert: 2/1/2018 RTL: 6/1/2018 Begin Con: 11/15/2018
								Subtotal: 14,710	5,000	
				Performance Measure 78 Collisions Reduced				**Total (Capital + Support): $19,710**		

Proposed

2016 SHOPP Project List
Solano
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
BRIDGE PRESERVATION										
80	1.1/34.5	In and near Vallejo, Dixon and Vacaville, at Route 80/29 Separation Bridge No. 23 -0087, McCune Creek Bridge No. 23-0084 L/R and Horse Creek Bridge No. 23-0077 L. Bridge preventative maintenance.	0480N	0J600	0414000017	201.119	2019/20	RW: 423 Const: 1,379 Subtotal: 1,802	PA&ED: 990 PS&E: 880 RW: 66 Con: 880 2,816	PA&ED: 8/31/2018 RW Cert: 2/28/2020 RTL: 5/31/2020 Begin Con: 11/2/2020
				Performance Measure 4 Bridge(s)			**Total (Capital + Support):**	**$4,618**		
80	1.8/4.4	In Vallejo, from Magazine Street Overcrossing (No. 23-0066) to Redwood Street Overcrossing (No. 23-0114). Increase vertical clearance at six overcrossing structures.	0481R	0J710	0414000029	201.322	2018/19	RW: 10 Const: 15,951 Subtotal: 15,961	PA&ED: 1,870 PS&E: 2,154 RW: 154 Con: 1,859 6,037	PA&ED: 1/1/2018 RW Cert: 6/28/2019 RTL: 6/28/2019 Begin Con: 6/1/2020
				Performance Measure 6 Bridge(s)			**Total (Capital + Support):**	**$21,998**		
80	13.9	Near Fairfield, at Dan Wilson Creek Bridge No. 23-0006. Rehabilitate bridge.	8315N	3G690	0412000153	201.110	2017/18	RW: 145 Const: 2,600 Subtotal: 2,745	PA&ED: 850 PS&E: 592 RW: 50 Con: 600 2,092	PA&ED: 11/1/2016 RW Cert: 1/15/2018 RTL: 2/5/2018 Begin Con: 7/17/2018
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**	**$4,837**		

Proposed

2016 SHOPP Project List
Solano
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
80	14.6	Near Fairfield, on Route 80, near Fairfield at Suisun Creek Bridge No. 23-0007; also in Marin County, near San Rafael on Route 101 at Miller Creek Bridge No. 27-0004. Scour mitigation.	0487Q	4G870	0413000057	201.111	2016/17	RW:	10	PA&ED:	350	PA&ED:	6/30/2016
								Const:	1,446	PS&E:	350	RW Cert:	2/15/2017
										RW:	16	RTL:	6/15/2017
										Con:	300	Begin Con:	6/30/2017
								Subtotal:	1,456		1,016		
				Performance Measure			**Total (Capital + Support):**		**$2,472**				
				2 Bridge(s)									
84	12.1/12.2	Near Rio Vista, at Miner Slough Bridge #23 -0035. Replace bridge.	0886	0G660	0400000343	201.110	2018/19	RW:	2,884	PA&ED:	1,836	PA&ED:	4/15/2016
		(G13 Contingency Project)						Const:	0	PS&E:	2,754	RW Cert:	8/1/2018
										RW:	1,098	RTL:	8/1/2018
										Con:	0	Begin Con:	3/19/2019
								Subtotal:	2,884		5,688		
				Performance Measure			**Total (Capital + Support):**		**$8,572**				
				1 Bridge(s)									
								RW:	3,568	PA&ED:	6,706		
								Const:	43,320	PS&E:	10,064		
										RW:	1,692		
										Con:	7,157		
								Subtotal:	46,888		25,619		

Solano County Total (Capital + Support): $72,507

Proposed

2016 SHOPP Project List
Sonoma
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MAJOR DAMAGE RESTORATION										
1	15.1/15.8	Near Camet, 0.1 mile north of Del Sol Road. Realign roadway.	0748E	0A020	0400000129	201.131	2017/18	RW: 3,000 Const: 21,800	PA&ED: 6,500 PS&E: 1,800 RW: 500 Con: 3,270	PA&ED: 6/30/2016 RW Cert: 4/2/2018 RTL: 5/1/2018 Begin Con: 2/1/2019
								Subtotal: 24,800	12,070	
				Performance Measure 1 Location(s)			**Total (Capital + Support):**	**$36,870**		
1	22.5	Near Jenner, at 2.4 miles north of Route 116. Repair fire damaged retaining wall.	1481A	1J750	0414000348	201.131	2017/18	RW: 10 Const: 1,370	PA&ED: 280 PS&E: 300 RW: 10 Con: 220	PA&ED: 10/3/2016 RW Cert: 11/1/2017 RTL: 12/1/2017 Begin Con: 6/1/2018
								Subtotal: 1,380	810	
				Performance Measure 1 Location(s)			**Total (Capital + Support):**	**$2,190**		
1	24.3/24.4	Near Jenner, at 1.5 miles south of Myers Grade Road. Repair roadway slip-outs.	1485P	2J540	0414000527	201.131	2017/18	RW: 150 Const: 3,880	PA&ED: 780 PS&E: 880 RW: 100 Con: 620	PA&ED: 12/1/2016 RW Cert: 5/1/2018 RTL: 6/1/2018 Begin Con: 11/1/2018
								Subtotal: 4,030	2,380	
				Performance Measure 1 Location(s)			**Total (Capital + Support):**	**$6,410**		

Proposed

2016 SHOPP Project List
Sonoma
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
37	.3	Near Novato, at the Petaluma River Bridge No. 27-0013. Restore eastern bridge approach settlement.	1487C	2J500	0414000523	201.131	2017/18	RW:	10	PA&ED:	250	PA&ED:	3/30/2017
								Const:	1,505	PS&E:	250	RW Cert:	3/8/2018
										RW:	30	RTL:	3/15/2018
										Con:	320	Begin Con:	9/13/2018
								Subtotal:	1,515		850		
				Performance Measure				**Total (Capital + Support):**	**$2,365**				
				1 Location(s)									
101	33.5	In and near Healdsburg, at Old Redwood Highway/Grant Undercrossing Bridge No. 20-0067L/R. Upgrade drainage elements and restore erosion and settlement damage.	1485H	2J550	0414000528	201.131	2017/18	RW:	40	PA&ED:	630	PA&ED:	3/29/2017
								Const:	3,850	PS&E:	610	RW Cert:	3/1/2018
										RW:	100	RTL:	3/15/2018
										Con:	770	Begin Con:	9/20/2018
								Subtotal:	3,890		2,110		
				Performance Measure				**Total (Capital + Support):**	**$6,000**				
				1 Location(s)									
101	9	Near Petaluma, north of Pepper Road. Repair slide.	0481B	0J100	0413000408	201.131	2017/18	RW:	100	PA&ED:	423	PA&ED:	2/16/2017
								Const:	694	PS&E:	102	RW Cert:	2/1/2018
										RW:	150	RTL:	2/15/2018
										Con:	207	Begin Con:	7/26/2018
								Subtotal:	794		882		
				Performance Measure				**Total (Capital + Support):**	**$1,676**				
				1 Location(s)									

Proposed

2016 SHOPP Project List
Sonoma
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
12	17.7/18.2	In Santa Rosa, from Farmers Lane to Brush Creek Road. Install concrete median barrier and Midwest Guardrail System.	0775F	4G220	0412000314	201.010	2016/17	RW: 55 Const: 5,415	PA&ED: 600 PS&E: 800 RW: 50 Con: 1,330	PA&ED: 9/15/2016 RW Cert: 5/16/2017 RTL: 5/30/2017 Begin Con: 12/19/2017
				Performance Measure 5 Collisions Reduced				Subtotal: 5,470 **Total (Capital + Support): $8,250**	2,780	
12	9.5/31.3	In various cities on Routes 12, 101, and 116 at various locations; also in Marin County on Route 101 at various locations. Construct roadway safety improvements.	0480E	0J680	0414000025	201.235	2018/19	RW: 10 Const: 2,190	PA&ED: 308 PS&E: 550 RW: 44 Con: 550	PA&ED: 6/30/2017 RW Cert: 3/20/2019 RTL: 5/15/2019 Begin Con: 9/15/2019
				Performance Measure 27 Location(s)				Subtotal: 2,200 **Total (Capital + Support): $3,652**	1,452	
101	22.4	In Sonoma County on Routes 12, 101, 116 and 121 at various locations; also, in Napa County on Route 128 near Calistoga from PM 0.5 to 1.0. Place high friction surface treatment.	0481W	1J020	0414000127	201.010	2017/18	RW: 5 Const: 2,295	PA&ED: 0 PS&E: 500 RW: 30 Con: 520	PA&ED: 10/30/2015 RW Cert: 7/1/2017 RTL: 7/15/2017 Begin Con: 12/15/2017
				Performance Measure 183.00 Collisions Reduced				Subtotal: 2,300 **Total (Capital + Support): $3,350**	1,050	

Proposed

2016 SHOPP Project List
Sonoma
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	R33.5/R43.4	In and near Healdsburg, from Grant Avenue undercrossing to Canyon Road undercrossing at various locations. Upgrade electroliers.	0780G	4G480	0412000490	201.010	2016/17	RW:	10	PA&ED:	200	PA&ED:	9/28/2015
								Const:	1,090	PS&E:	450	RW Cert:	1/15/2017
										RW:	50	RTL:	1/15/2017
										Con:	200	Begin Con:	7/1/2017
								Subtotal:	1,100		900		
				Performance Measure				**Total (Capital + Support):**	**$2,000**				
				30 Collisions Reduced									
116	31.0/31.3	Near Sebastopol, at the intersection of Route 116 and Llano Road. Construct left-turn and merge lanes.	0817Q	4G380	0412000463	201.010	2017/18	RW:	75	PA&ED:	720	PA&ED:	6/1/2016
								Const:	4,645	PS&E:	720	RW Cert:	2/1/2018
										RW:	200	RTL:	3/1/2018
										Con:	800	Begin Con:	6/15/2018
								Subtotal:	4,720		2,440		
				Performance Measure				**Total (Capital + Support):**	**$7,160**				
				54 Collisions Reduced									
MANDATES													
116	26.6/26.9	In Sebastopol, from Keating Avenue to Willow Street; also from McKinley Street to Joe Rodora Trail. Upgrade curb ramps, driveways and sidewalks.	0730E	1G840	0400020616	201.378	2017/18	RW:	140	PA&ED:	240	PA&ED:	9/30/2015
								Const:	2,790	PS&E:	660	RW Cert:	5/1/2017
										RW:	140	RTL:	6/1/2017
										Con:	300	Begin Con:	2/1/2018
								Subtotal:	2,930		1,340		
				Performance Measure				**Total (Capital + Support):**	**$4,270**				
				20 Structure(s)									

Proposed

2016 SHOPP Project List
Sonoma
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
116	8.5/10.5	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.	1487F	2J840	0415000085	201.335	2019/20	RW:	370	PA&ED:	685	PA&ED:	9/30/2018
								Const:	2,816	PS&E:	670	RW Cert:	11/30/2019
										RW:	80	RTL:	12/30/2019
										Con:	655	Begin Con:	4/1/2020
								Subtotal:	3,186		2,090		
				Performance Measure			**Total (Capital + Support):**		**$5,276**				
				12.08 Acres									

BRIDGE PRESERVATION

12	25.8/33.3	In and near Sonoma, at Sonoma Creek Bridge No. 20-0027, Stuart Creek Bridge No. 20-0025 and Hooker Creek Bridge No. 20-0030. Scour mitigation.	0269M	4H050	0413000080	201.111	2017/18	RW:	150	PA&ED:	1,000	PA&ED:	8/1/2017
								Const:	6,800	PS&E:	650	RW Cert:	1/31/2018
										RW:	500	RTL:	2/1/2020
										Con:	600	Begin Con:	8/1/2020
								Subtotal:	6,950		2,750		
				Performance Measure			**Total (Capital + Support):**		**$9,700**				
				3 Bridge(s)									

ROADWAY PRESERVATION

12	35.1/38.9	In and near Sonoma, from Vallejo Avenue to east of Leveroni Road/Napa Road. Pavement rehabilitation.	0488K	1J360	0414000202	201.121	2019/20	RW:	5	PA&ED:	808	PA&ED:	3/1/2018
								Const:	6,208	PS&E:	870	RW Cert:	12/5/2019
										RW:	62	RTL:	12/12/2019
										Con:	746	Begin Con:	6/4/2020
								Subtotal:	6,213		2,486		
				Performance Measure			**Total (Capital + Support):**		**$8,699**				
				7.60 Lane Miles									

Proposed

2016 SHOPP Project List
Sonoma
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	29.3/R54.3	In and near Windsor, Healdsburg, and Cloverdale, from Old Redwood Highway to 2 miles south of Mendocino County line. Roadway rehabilitation.	1482F	0J642	0414000476	201.122	2018/19	RW:	10	PA&ED:	5,149	PA&ED:	6/30/2018
								Const:	63,151	PS&E:	6,799	RW Cert:	6/30/2019
										RW:	60	RTL:	6/30/2019
										Con:	6,936	Begin Con:	11/1/2019
								Subtotal:	63,161		18,944		
				Performance Measure				**Total (Capital + Support):**	**$82,105**				
				43.2 Lane Miles									
MOBILITY													
37	2.6	Near Vallejo, at east of Route 121. Replace Weigh In Motion (WIM) systems.	0763L	1A210	0414000487	201.321	2019/20	RW:	10	PA&ED:	506	PA&ED:	4/1/2018
								Const:	2,110	PS&E:	442	RW Cert:	7/15/2019
										RW:	20	RTL:	8/15/2019
										Con:	304	Begin Con:	12/30/2019
								Subtotal:	2,120		1,272		
				Performance Measure				**Total (Capital + Support):**	**$3,392**				
				2 Location(s)									
ROADSIDE PRESERVATION													
116	0.0/46.8	In various cities, from Route 1 to Route 101; also in Alameda, Marin, Napa, and Sonoma counties, on various routes, at various locations. Advance banking credits for environmental mitigation. Financial Contribution Only (FCO).	1490B	4J120	0415000260	201.240	2016/17	RW:	5,000	PA&ED:	520	PA&ED:	12/1/2016
								Const:	0	PS&E:	0	RW Cert:	4/30/2017
										RW:	80	RTL:	
										Con:	0	Begin Con:	
								Subtotal:	5,000		600		
				Performance Measure				**Total (Capital + Support):**	**$5,600**				
				1 Location(s)									

Proposed

2016 SHOPP Project List
Sonoma
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
								RW: 9,150	PA&ED: 19,599	
								Const: 132,609	PS&E: 17,053	
									RW: 2,206	
									Con: 18,348	
								Subtotal: 141,759	57,206	

Sonoma County Total (Capital + Support): $198,965

Proposed

2016 SHOPP Project List
Stanislaus
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
5	27.0/27.5	Near Westley, at the Westley Safety Roadside Rest Area (SRRA). Upgrade water and wastewater systems.	3009	0W630	1012000021	201.235	2016/17	RW: 0 Const: 2,387	PA&ED: 124 PS&E: 592 RW: 0 Con: 728	PA&ED: 6/30/2015 RW Cert: 12/1/2016 RTL: 2/1/2017 Begin Con: 7/1/2017
				Performance Measure 1 Location(s)				Subtotal: 2,387 **Total (Capital + Support): $3,831**	1,444	
33	1.4/27.1	In Stanislaus and Merced Counties at various locations. Install centerline, edge line and shoulder rumble strips.	3128	1C490	1015000091	201.010	2016/17	RW: 0 Const: 1,776	PA&ED: 184 PS&E: 206 RW: 0 Con: 340	PA&ED: 12/2/2015 RW Cert: 4/28/2016 RTL: 7/5/2016 Begin Con: 11/30/2016
				Performance Measure 49 Collisions Reduced				Subtotal: 1,776 **Total (Capital + Support): $2,506**	730	
99	R1.1/R7.3	In and near Turlock, from north of Golf Road to north of Taylor Road. Highway worker safety improvements.	3143	0X660	1013000249	201.235	2018/19	RW: 3 Const: 2,093	PA&ED: 306 PS&E: 595 RW: 18 Con: 574	PA&ED: 7/7/2017 RW Cert: 6/29/2018 RTL: 7/31/2018 Begin Con: 1/23/2019
				Performance Measure 40 Location(s)				Subtotal: 2,096 **Total (Capital + Support): $3,589**	1,493	

Proposed

2016 SHOPP Project List
Stanislaus
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
99	R18.1/R20.9	In Modesto, from north of West Modesto Overhead to north of Beckwith Road/Standiford Avenue. Construct acceleration and deceleration lanes at 4 northbound ramps and 2 southbound ramps to reduce collisions.	3130	0V110	1014000158	201.015	2017/18	RW:	17	PA&ED:	685	PA&ED:	8/18/2017
								Const:	7,407	PS&E:	1,041	RW Cert:	3/9/2018
										RW:	31	RTL:	4/23/2018
										Con:	1,378	Begin Con:	9/27/2018
								Subtotal:	7,424		3,135		
				Performance Measure				**Total (Capital + Support):**	**$10,559**				
				197 Collisions Reduced									

MANDATES

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
99	R16.5/R16.7	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 Aveue (PM 13.7/14.3). Hazardous waste mitigation.	3125	1E700	1015000115	201.330	2018/19	RW:	27	PA&ED:	813	PA&ED:	2/18/2018
								Const:	2,400	PS&E:	916	RW Cert:	4/30/2019
										RW:	18	RTL:	5/30/2019
										Con:	900	Begin Con:	10/26/2019
								Subtotal:	2,427		2,647		
				Performance Measure				**Total (Capital + Support):**	**$5,074**				
				3.0 Location(s)									

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
108		Near Modesto and Riverbank, on Routes 108 and 132 at various locations. Upgrade curb ramps, sidewalk and crosswalks.	3010	0W900	1012000082	201.378	2017/18	RW:	32	PA&ED:	609	PA&ED:	9/30/2015
								Const:	1,126	PS&E:	931	RW Cert:	1/15/2018
										RW:	310	RTL:	1/22/2018
										Con:	610	Begin Con:	7/2/2018
								Subtotal:	1,158		2,460		
				Performance Measure				**Total (Capital + Support):**	**$3,618**				
				7 Structure(s)									

Proposed

2016 SHOPP Project List
Stanislaus
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
ROADWAY PRESERVATION										
99	R0.0/R24.8	Near Turlock and Modesto, from the Merced County line to the San Joaquin County line. Rehabilitate pavement. (G13 Contingency Project)	3088	1C290	1014000108	201.121	2017/18	RW: 3 Const: 0	PA&ED: 765 PS&E: 1,710 RW: 8 Con: 0	PA&ED: 10/3/2016 RW Cert: 1/2/2018 RTL: 2/1/2018 Begin Con: 9/15/2018
				Performance Measure 20 Lane Miles				Subtotal: 3 **Total (Capital + Support):** **$2,486**	2,483	
108	33.2	In and near Riverbank, at 8th Street. Repair slope with retaining wall.	5411	0H480	1012000193	201.150	2018/19	RW: 52 Const: 1,824	PA&ED: 0 PS&E: 1,019 RW: 98 Con: 631	PA&ED: 6/30/2015 RW Cert: 5/30/2018 RTL: 7/3/2018 Begin Con: 11/28/2018
				Performance Measure 2 Location(s)				Subtotal: 1,876 **Total (Capital + Support):** **$3,624**	1,748	
MOBILITY										
99	R13.4/R13.8	Near Ceres and Modesto, in the northbound direction from Hatch Road on-ramp to S. 9th Street off-ramp. Construct auxiliary lane.	0037	0L870	1015000003	201.310	2019/20	RW: 1,259 Const: 3,750	PA&ED: 1,110 PS&E: 1,427 RW: 141 Con: 1,012	PA&ED: 2/1/2018 RW Cert: 5/1/2020 RTL: 6/1/2020 Begin Con: 11/16/2020
				Performance Measure 110 1000 Vehicle				Subtotal: 5,009 **Total (Capital + Support):** **$8,699**	3,690	

Proposed

2016 SHOPP Project List
Stanislaus
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
ROADSIDE PRESERVATION													
5	27.0/27.5	Near Westley, at the Westley Safety Roadside Rest Area (SRRA). Replace SRRA buildings.	3144	1C270	1014000097	201.250	2018/19	RW:	7	PA&ED:	381	PA&ED:	3/1/2017
								Const:	5,477	PS&E:	2,254	RW Cert:	7/2/2018
										RW:	10	RTL:	8/1/2018
										Con:	2,871	Begin Con:	2/15/2019
								Subtotal:	5,484		5,516		
				Performance Measure			**Total (Capital + Support):**		**$11,000**				
				2 Location(s)									
								RW:	1,400	PA&ED:	4,977		
								Const:	28,240	PS&E:	10,691		
										RW:	634		
										Con:	9,044		
								Subtotal:	29,640		25,346		

Stanislaus County Total (Capital + Support): $54,986

Proposed

2016 SHOPP Project List
Sutter
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year		Capital		Support		Milestones
BRIDGE PRESERVATION													
20	17	Near Yuba City, at the Feather River Bridge No. 18-009. Scour mitigation.	8140	3F560	0313000033	201.111	2017/18	RW:	1,200	PA&ED:	510	PA&ED:	9/1/2016
								Const:	7,500	PS&E:	800	RW Cert:	6/15/2018
										RW:	100	RTL:	7/1/2018
										Con:	1,100	Begin Con:	12/1/2018
								Subtotal:	8,700		2,510		
				Performance Measure				**Total (Capital + Support):**	**$11,210**				
				1 Bridge(s)									
ROADWAY PRESERVATION													
20	5.0/11.3	Near Yuba City, from Sutter Bypass to Lytle Road. Rehabilitate roadway.	8132	1A920	0300020608	201.120	2017/18	RW:	650	PA&ED:	850	PA&ED:	7/1/2016
		(G13 Contingency Project)						Const:	0	PS&E:	1,809	RW Cert:	2/15/2018
										RW:	251	RTL:	3/1/2018
										Con:	0	Begin Con:	9/1/2018
								Subtotal:	650		2,910		
				Performance Measure				**Total (Capital + Support):**	**$3,560**				
				13.74 Lane Miles									
								RW:	1,850	PA&ED:	1,360		
								Const:	7,500	PS&E:	2,609		
										RW:	351		
										Con:	1,100		
								Subtotal:	9,350		5,420		

Sutter County Total (Capital + Support): $14,770

Proposed

2016 SHOPP Project List
Tehama
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
32	8.6/9.3	Near Chico, from 0.2 mile west to 0.5 mile east of Diamond Match Haul Road. Curve improvement.	3573	0H200	0214000143	201.010	2017/18	RW: 65 Const: 2,735 Subtotal: 2,800	PA&ED: 281 PS&E: 283 RW: 178 Con: 296 1,038	PA&ED: 3/31/2016 RW Cert: 3/31/2017 RTL: 8/31/2017 Begin Con: 2/6/2018
				Performance Measure 16 Collisions Reduced				**Total (Capital + Support):**	**$3,838**	
36	36.4/36.8	Near Red Bluff, from Nevis Road to 0.5 mile east of Nevis Road. Improve curve.	3590	0H110	0215000053	201.010	2017/18	RW: 75 Const: 1,426 Subtotal: 1,501	PA&ED: 579 PS&E: 574 RW: 150 Con: 604 1,907	PA&ED: 11/1/2016 RW Cert: 10/16/2017 RTL: 11/15/2017 Begin Con: 6/15/2018
				Performance Measure 14 Collisions Reduced				**Total (Capital + Support):**	**$3,408**	
MANDATES										
99	12.0/12.6	Near Los Molinos, from Josephine Street to Los Molinos Creek Bridge. Construct curb ramps, sidewalks, lighting and drainage improvements. (G13 Contingency Project)	3606	1H320	0215000126	201.378	2018/19	RW: 119 Const: 0 Subtotal: 119	PA&ED: 310 PS&E: 460 RW: 230 Con: 0 1,000	PA&ED: 11/1/2017 RW Cert: 2/12/2019 RTL: 3/19/2019 Begin Con: 8/3/2019
				Performance Measure 28 Curb Ramps				**Total (Capital + Support):**	**$1,119**	

Proposed

2016 SHOPP Project List
Tehama
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones
BRIDGE PRESERVATION												
5	R25.4	In Red Bluff, at Sacramento River Bridge No. 08-0095R/L. Retrofit Bridges. (G13 Contingency Project)	3515	4F590	0213000010	201.113	2019/20	RW: 56 Const: 0	PA&ED: 1,105 PS&E: 1,659 RW: 280 Con: 0	PA&ED: 7/17/2018 RW Cert: 11/24/2019 RTL: 12/25/2019 Begin Con: 6/24/2020	
				Performance Measure 2 Bridge(s)				Subtotal: 56 **Total (Capital + Support):** **$3,100**		3,044		
VAR		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 9 bridges.	3549	4G530	0214000023	201.119	2019/20	RW: 147 Const: 1,400	PA&ED: 780 PS&E: 720 RW: 50 Con: 600	PA&ED: 2/18/2019 RW Cert: 2/28/2020 RTL: 3/30/2020 Begin Con: 8/26/2020	
				Performance Measure 9 Bridge(s)				Subtotal: 1,547 **Total (Capital + Support):** **$3,697**		2,150		
ROADWAY PRESERVATION												
36	40.3/42.1	In Red Bluff, from east of Baker Road to east of East Sand Slough Bridge. Pavement rehabilitation.	3558	4G540	0214000024	201.121	2019/20	RW: 57 Const: 6,600	PA&ED: 460 PS&E: 490 RW: 240 Con: 1,020	PA&ED: 12/25/2017 RW Cert: 7/2/2019 RTL: 8/2/2019 Begin Con: 2/19/2020	
				Performance Measure 10.1 Lane Miles				Subtotal: 6,657 **Total (Capital + Support):** **$8,867**		2,210		

Proposed

2016 SHOPP Project List
Tehama
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
36	42.1/46.0	In and near Red Bluff, from East Sand Slough Bridge to east of Stice Road. Rehabilitate pavement.	3453	3E720	0200020154	201.121	2016/17	RW:	97	PA&ED:	260	PA&ED:	12/7/2015
								Const:	5,300	PS&E:	380	RW Cert:	12/22/2016
										RW:	240	RTL:	1/26/2017
										Con:	540	Begin Con:	6/13/2017
								Subtotal:	5,397		1,420		
				Performance Measure				**Total (Capital + Support):**	**$6,817**				
				13.6 Lane Miles									
								RW:	616	PA&ED:	3,775		
								Const:	17,461	PS&E:	4,566		
										RW:	1,368		
										Con:	3,060		
								Subtotal:	18,077		12,769		

Tehama County Total (Capital + Support): $30,846

Proposed

2016 SHOPP Project List
Trinity
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
COLLISION REDUCTION													
36	26.8/27.1	Near Forest Glen, from 0.5 to 0.1 mile west of Route 3. Curve improvement.	3526	4F860	0213000043	201.010	2017/18	RW:	231	PA&ED:	970	PA&ED:	11/1/2016
								Const:	4,727	PS&E:	1,150	RW Cert:	1/29/2018
										RW:	250	RTL:	2/13/2018
										Con:	1,750	Begin Con:	8/14/2018
								Subtotal:	4,958		4,120		
				Performance Measure			**Total (Capital + Support):**		**$9,078**				
				18 Collisions Reduced									
299	1.9/2.1	Near Salyer, from 0.1 mile west to 0.4 mile west of White House Gulch Road. Improve roadside clear recovery zone.	3557	4G500	0214000031	201.015	2019/20	RW:	7	PA&ED:	550	PA&ED:	4/23/2018
								Const:	2,732	PS&E:	1,220	RW Cert:	7/29/2019
										RW:	70	RTL:	9/4/2019
										Con:	1,540	Begin Con:	2/13/2020
								Subtotal:	2,739		3,380		
				Performance Measure			**Total (Capital + Support):**		**$6,119**				
				3 Collisions Reduced									
299	3.6	Near Salyer, at the Francis B. Matthews Safety Roadside Rest Area (SRRA). Upgrade potable water system and wastewater system.	3559	4G620	0214000029	201.235	2019/20	RW:	0	PA&ED:	470	PA&ED:	8/16/2018
								Const:	2,300	PS&E:	860	RW Cert:	7/1/2019
										RW:	50	RTL:	8/15/2019
										Con:	590	Begin Con:	4/8/2020
								Subtotal:	2,300		1,970		
				Performance Measure			**Total (Capital + Support):**		**$4,270**				
				1 Location(s)									

Proposed

2016 SHOPP Project List
Trinity
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
299	VAR	In Trinity County on Route 299 and Route 3 at various locations; also, in Shasta County on Route 299 at PM 2.7. Make worker safety improvements.	3555	4G610	0214000028	201.235	2018/19	RW:	79	PA&ED:	410	PA&ED:	11/08/2017
								Const:	2,100	PS&E:	530	RW Cert:	2/11/2019
										RW:	160	RTL:	3/18/2019
										Con:	710	Begin Con:	12/31/2020
								Subtotal:	2,179		1,810		
				Performance Measure				**Total (Capital + Support):**	**$3,989**				
				12 Location(s)									

MANDATES

3	30.9/40.2	In and near Weaverville, from Route 299 to 0.8 mile north of Rush Creek Campground Road. Storm water improvements.	3536	4G250	0213000094	201.335	2017/18	RW:	126	PA&ED:	580	PA&ED:	7/15/2016
								Const:	1,800	PS&E:	420	RW Cert:	8/10/2017
										RW:	110	RTL:	9/15/2017
										Con:	788	Begin Con:	2/19/2018
								Subtotal:	1,926		1,898		
				Performance Measure				**Total (Capital + Support):**	**$3,824**				
				2.3 Acres									

BRIDGE PRESERVATION

3	58.7/61.9	Near Trinity Center, from north of Preacher Meadows Road to north of El Dorado Way. Replace Swift Creek Bridge No. 05-0059.	3485	4F220	0212000073	201.110	2019/20	RW:	820	PA&ED:	930	PA&ED:	1/16/2019
								Const:	7,200	PS&E:	1,680	RW Cert:	4/16/2020
										RW:	100	RTL:	5/21/2020
										Con:	2,090	Begin Con:	12/1/2020
								Subtotal:	8,020		4,800		
				Performance Measure				**Total (Capital + Support):**	**$12,820**				
				1 Bridge(s)									

Proposed

2016 SHOPP Project List
Trinity
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
299	VAR	In Trinity County on Routes 299 and 36 and in Siskiyou County on Route 96 at various locations. Bridge preventative maintenance at 9 bridges.	3516	4F600	0213000012	201.119	2019/20	RW:	22	PA&ED:	950	PA&ED:	9/28/2018
								Const:	6,771	PS&E:	1,400	RW Cert:	9/6/2019
										RW:	150	RTL:	9/13/2019
										Con:	1,910	Begin Con:	2/14/2020
								Subtotal:	6,793		4,410		
				Performance Measure				**Total (Capital + Support):**	**$11,203**				
				9 Bridge(s)									

ROADWAY PRESERVATION

299	11.1/11.3	Near Burnt Ranch, at west of Burnt Ranch Road. Install rockfall drapery system.	3579	0H410	0215000019	201.150	2019/20	RW:	0	PA&ED:	200	PA&ED:	7/24/2018
								Const:	2,079	PS&E:	470	RW Cert:	9/4/2019
										RW:	50	RTL:	10/11/2019
										Con:	500	Begin Con:	2/13/2020
								Subtotal:	2,079		1,220		
				Performance Measure				**Total (Capital + Support):**	**$3,299**				
				1 Location(s)									

299	23.1/23.3	Near Del Loma, east of Big French Creek Bridge. Construct rockfall drapery system.	3591	0H680	0215000054	201.150	2019/20	RW:	0	PA&ED:	120	PA&ED:	7/24/2018
								Const:	1,188	PS&E:	270	RW Cert:	9/4/2019
										RW:	50	RTL:	10/11/2019
										Con:	350	Begin Con:	2/13/2020
								Subtotal:	1,188		790		
				Performance Measure				**Total (Capital + Support):**	**$1,978**				
				1 Location(s)									

Proposed

2016 SHOPP Project List
Trinity
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
299	43.1/43.3	Near Junction City, at west of Canyon Creek Bridge. Install rockfall drapery system	3592	0H690	0215000055	201.150	2019/20	RW:	15	PA&ED:	330	PA&ED:	7/24/2018
								Const:	2,495	PS&E:	580	RW Cert:	9/4/2019
										RW:	200	RTL:	10/11/2019
										Con:	630	Begin Con:	2/13/2020
								Subtotal:	2,510		1,740		
				Performance Measure			**Total (Capital + Support):**		**$4,250**				
				7 Location(s)									
								RW:	1,300	PA&ED:	5,510		
								Const:	33,392	PS&E:	8,580		
										RW:	1,190		
										Con:	10,858		
								Subtotal:	34,692		26,138		

Trinity County Total (Capital + Support): $60,830

Proposed

2016 SHOPP Project List
Tulare
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
99	28.9/31.0	In Tulare, from north of Bardsley Avenue to north of Prosperity Avenue. Roadside safety improvements.	6700	0R170	0614000051	201.235	2018/19	RW: 0 Const: 2,700	PA&ED: 255 PS&E: 624 RW: 24 Con: 430	PA&ED: 9/1/2017 RW Cert: 2/15/2019 RTL: 3/1/2019 Begin Con: 10/1/2019
				Performance Measure 26 Location(s)				Subtotal: 2,700 **Total (Capital + Support): $4,033**	1,333	
190	R15.1/16.9	Near Porterville, from west of Route 65 to S. Plano Road. Construct concrete median barrier.	3032	0S310	0614000105	201.010	2017/18	RW: 4 Const: 4,750	PA&ED: 450 PS&E: 1,200 RW: 14 Con: 605	PA&ED: 7/15/2016 RW Cert: 8/1/2017 RTL: 9/1/2017 Begin Con: 1/15/2018
				Performance Measure 20 Collisions Reduced				Subtotal: 4,754 **Total (Capital + Support): $7,023**	2,269	
198	R4.2/R4.9	In Visalia, from 0.7 mile west of Road 80 to Road 80; also from Akers Street to 0.2 mile east of County Center Drive (PM 6.8/R8.3). Construct median barrier	6713	0R050	0614000001	201.010	2016/17	RW: 41 Const: 2,630	PA&ED: 240 PS&E: 680 RW: 14 Con: 662	PA&ED: 6/30/2015 RW Cert: 7/7/2016 RTL: 7/15/2016 Begin Con: 2/2/2017
				Performance Measure 22 Collisions Reduced				Subtotal: 2,671 **Total (Capital + Support): $4,267**	1,596	

Proposed

2016 SHOPP Project List
Tulare
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
BRIDGE PRESERVATION													
99	19.4	In Tipton, at Avenue 152 Overcrossing (No. 46-0191). Replace bridge.	6679	0Q910	0614000005	201.110	2019/20	RW:	343	PA&ED:	453	PA&ED:	2/1/2018
								Const:	7,521	PS&E:	1,730	RW Cert:	2/3/2020
										RW:	54	RTL:	3/2/2020
										Con:	1,354	Begin Con:	8/3/2020
								Subtotal:	7,864		3,591		
				Performance Measure				**Total (Capital + Support):**	**$11,455**				
				5 Bridge(s)									
201		Near Kingsburg, on Route 201 at Sand Creek and Friant-Kern Canal Bridge; also on Route 216 at Kaweah River Bridge. Bridge rail replacement.	6521	0H200	0612000157	201.112	2016/17	RW:	450	PA&ED:	1,728	PA&ED:	4/20/2015
								Const:	9,371	PS&E:	2,905	RW Cert:	1/2/2017
										RW:	617	RTL:	1/15/2017
										Con:	2,357	Begin Con:	7/15/2017
								Subtotal:	9,821		7,607		
				Performance Measure				**Total (Capital + Support):**	**$17,428**				
				1188 Linear Feet									
ROADWAY PRESERVATION													
65	18.8/31.5	Near Porterville, from south of Olive Avenue to Route 137. Rehabilitate pavement.	6654	0Q260	0613000049	201.121	2016/17	RW:	1	PA&ED:	0	PA&ED:	6/27/2013
								Const:	13,500	PS&E:	1,300	RW Cert:	12/1/2016
										RW:	30	RTL:	12/15/2016
										Con:	1,200	Begin Con:	6/1/2017
								Subtotal:	13,501		2,530		
				Performance Measure				**Total (Capital + Support):**	**$16,031**				
				25.4 Lane Miles									

Proposed

2016 SHOPP Project List
Tulare
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
65	31.6/39.6	In Exeter, from Route 137 to Route 198. Rehabilitate pavement.	6349	0G980	0613000022	201.121	2016/17	RW:	115	PA&ED:	0	PA&ED:	10/1/2007
								Const:	5,507	PS&E:	1,326	RW Cert:	3/15/2017
										RW:	254	RTL:	4/1/2017
										Con:	720	Begin Con:	11/16/2017
								Subtotal:	5,622		2,300		
				Performance Measure				**Total (Capital + Support):**	**$7,922**				
				15.2 Lane Miles									
198	R11.7/R19.8	In Visalia, from Lovers Lane to west of Route 245. Rehabilitate pavement.	3034	0S340	0614000114	201.122	2016/17	RW:	10	PA&ED:	545	PA&ED:	12/3/2015
								Const:	0	PS&E:	1,040	RW Cert:	1/16/2017
		(G13 Contingency Project)								RW:	55	RTL:	2/1/2017
										Con:	0	Begin Con:	9/5/2017
								Subtotal:	10		1,640		
				Performance Measure				**Total (Capital + Support):**	**$1,650**				
				32.4 Lane Miles									
								RW:	964	PA&ED:	3,671		
								Const:	45,979	PS&E:	10,805		
										RW:	1,062		
										Con:	7,328		
								Subtotal:	46,943		22,866		

Tulare County Total (Capital + Support): $69,809

Proposed

2016 SHOPP Project List
Tuolumne
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year		Capital		Support		Milestones
COLLISION REDUCTION													
108	L0.0/L0.3	Near Yosemite Junction and Jamestown, from Route 120 to 0.3 mile east of Route 120; also on Route 120 from 0.5 mile east of Obyrnes Ferry Road to 0.1 mile south of Route 108 (PM 11.9/12.2). Upgrade stop-controlled intersection.	3114	1C540	1015000029	201.010	2017/18	RW:	113	PA&ED:	629	PA&ED:	4/5/2017
								Const:	4,090	PS&E:	832	RW Cert:	6/11/2018
										RW:	177	RTL:	6/29/2018
										Con:	831	Begin Con:	1/30/2019
								Subtotal:	4,203		2,469		
				Performance Measure				**Total (Capital + Support):**	**$6,672**				
				18 Collisions Reduced									
ROADWAY PRESERVATION													
108	26.4/34.4	Near Strawberry, from west of Lassen Drive to west of Beardsley Reservoir Road. Rockfall mitigation at 7 locations.	3137	0Y800	1015000007	201.150	2018/19	RW:	17	PA&ED:	460	PA&ED:	11/1/2017
								Const:	2,628	PS&E:	625	RW Cert:	12/1/2018
										RW:	10	RTL:	1/15/2019
										Con:	235	Begin Con:	6/26/2019
								Subtotal:	2,645		1,330		
				Performance Measure				**Total (Capital + Support):**	**$3,975**				
				7 Location(s)									
108	R16.1/R18.1	Near Long Barn, from Lyons Dam Road to west of Long Barn Connection. Rehabilitate pavement.	0126	40160	1013000049	201.121	2017/18	RW:	0	PA&ED:	0	PA&ED:	8/14/2013
								Const:	2,046	PS&E:	434	RW Cert:	9/12/2016
										RW:	11	RTL:	3/10/2017
										Con:	61	Begin Con:	6/7/2017
								Subtotal:	2,046		506		
				Performance Measure				**Total (Capital + Support):**	**$2,552**				
				5.6 Lane Miles									

Proposed

2016 SHOPP Project List
Tuolumne
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
120	11.2/18.2	In Tuolumne County and Stanislaus County, near Oakdale and Sonora, from west of Lancaster Road to Moccasin Creek Bridge. Rehabilitate pavement.	0282	3A730	1013000050	201.121	2016/17	RW:	58	PA&ED:	1,680	PA&ED:	12/24/2015
								Const:	29,200	PS&E:	2,520	RW Cert:	10/6/2016
										RW:	280	RTL:	10/17/2016
										Con:	1,680	Begin Con:	5/1/2017
								Subtotal:	29,258		6,160		
				Performance Measure				**Total (Capital + Support):**	**$35,418**				
				77.3 Lane Miles									
120	32.7/R56.5	Near Buck Meadows, from Elder Lane to Yosemite National Park boundary. Pavement rehabilitation.	0335	0E960	1013000254	201.121	2018/19	RW:	6	PA&ED:	931	PA&ED:	3/3/2018
								Const:	20,520	PS&E:	1,070	RW Cert:	11/7/2018
										RW:	55	RTL:	12/7/2018
										Con:	2,793	Begin Con:	7/10/2019
								Subtotal:	20,526		4,849		
				Performance Measure				**Total (Capital + Support):**	**$25,375**				
				2 Lane Miles									
120	48.8/R50.5	Near Haden Flat, from east of Cherry Lake Road to west of Packard Canyon Road. Stabilize slope erosion at two locations.	3136	0Y790	1015000006	201.150	2018/19	RW:	12	PA&ED:	327	PA&ED:	1/30/2018
								Const:	1,874	PS&E:	493	RW Cert:	12/1/2018
										RW:	48	RTL:	1/15/2019
										Con:	363	Begin Con:	6/26/2019
								Subtotal:	1,886		1,231		
				Performance Measure				**Total (Capital + Support):**	**$3,117**				
				2 Location(s)									

Proposed

2016 SHOPP Project List
Tuolumne
($1,000)

Route	Post Miles	Location / Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
							RW:	206	PA&ED: 4,027	
							Const:	60,358	PS&E: 5,974	
									RW: 581	
									Con: 5,963	
							Subtotal:	60,564	16,545	

Tuolumne County Total (Capital + Support): $77,109

Proposed

2016 SHOPP Project List
Ventura
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
101	30.2/31.4	In the city of Ventura, at the Route 33 interchange. Enhance highway worker safety by miscellaneous paving, replacing crash cushions, and other measures.	4710	29540	0713000018	201.235	2017/18	RW: 0 Const: 1,931	PA&ED: 115 PS&E: 309 RW: 0 Con: 445	PA&ED: 6/23/2016 RW Cert: 1/8/2018 RTL: 2/15/2018 Begin Con: 7/10/2018
				Performance Measure 25 Location(s)				Subtotal: 1,931 **Total (Capital + Support): $2,800**	869	
118	R24.1/R29.7	In Simi Valley, from First Street to Yosemite Street. Construct maintenance vehicle pullouts and access roads, pave gore areas, install smart irrigation controllers and access gates. Plant vines at bridge wingwalls.	4894	31650	0715000210	201.235	2018/19	RW: 0 Const: 3,183	PA&ED: 90 PS&E: 465 RW: 2 Con: 520	PA&ED: 4/28/2017 RW Cert: 11/20/2018 RTL: 12/7/2018 Begin Con: 5/30/2019
				Performance Measure 99 Location(s)				Subtotal: 3,183 **Total (Capital + Support): $4,260**	1,077	
MANDATES										
101	27.5/31.0	In the city of Ventura, from south of Seaward Avenue to Ventura River. Stabilize soil and erosion control.	4813	31130	0715000009	201.335	2018/19	RW: 0 Const: 1,823	PA&ED: 95 PS&E: 270 RW: 8 Con: 325	PA&ED: 4/3/2017 RW Cert: 10/23/2018 RTL: 12/14/2018 Begin Con: 5/15/2019
				Performance Measure 22.5 Acres				Subtotal: 1,823 **Total (Capital + Support): $2,521**	698	

Proposed

2016 SHOPP Project List
Ventura
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
101	29.8	In the city of Ventura, at Ash Street Pedestrian Overcrossing. Upgrade pedestrian overcrossing to Americans with Disabilities Act (ADA) standards.	4490	29040	0712000034	201.378	2016/17	RW:	11	PA&ED:	102	PA&ED:	6/15/2015
								Const:	408	PS&E:	195	RW Cert:	11/15/2016
										RW:	15	RTL:	12/15/2016
										Con:	170	Begin Con:	5/4/2017
								Subtotal:	419		482		
				Performance Measure			**Total (Capital + Support):**		**$901**				
				4 Structure(s)									
126	1.0/R8.2	In and near the city of Ventura, at various locations from west of Victoria Avenue to east of Route 118. Install storm water mitigation devices.	4832	31220	0715000066	201.335	2017/18	RW:	51	PA&ED:	230	PA&ED:	7/15/2016
								Const:	3,100	PS&E:	360	RW Cert:	10/3/2017
										RW:	20	RTL:	10/16/2017
										Con:	510	Begin Con:	4/18/2018
								Subtotal:	3,151		1,120		
				Performance Measure			**Total (Capital + Support):**		**$4,271**				
				40.1 Acres									
126	R10.2/R12.7	In Santa Paula, from Peck Road to Santa Paula Creek. Stabilize soil and install irrigation system. (G13 Contingency Project)	4815	31150	0715000012	201.335	2018/19	RW:	0	PA&ED:	130	PA&ED:	4/28/2017
								Const:	0	PS&E:	370	RW Cert:	11/16/2018
										RW:	5	RTL:	11/30/2018
										Con:	0	Begin Con:	5/30/2019
								Subtotal:	0		505		
				Performance Measure			**Total (Capital + Support):**		**$505**				
				22.5 Acres									

Proposed

2016 SHOPP Project List
Ventura
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
126	R8.2/R12.8	In and near Santa Paula, from east of Todd Road to west of S. Hallock Drive. Storm water mitigation.	4834	31240	0715000064	201.335	2016/17	RW:	168	PA&ED:	570	PA&ED:	3/22/2016
								Const:	5,680	PS&E:	2,000	RW Cert:	8/12/2016
										RW:	50	RTL:	10/14/2016
										Con:	1,400	Begin Con:	3/6/2017
								Subtotal:	5,848		4,020		
				Performance Measure				**Total (Capital + Support):**	**$9,868**				
				43 Acres									
150	16.6/34.4	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 ADA standards.	4746	30670	0714000179	201.361	2019/20	RW:	556	PA&ED:	500	PA&ED:	6/22/2017
								Const:	4,549	PS&E:	1,000	RW Cert:	5/1/2019
										RW:	100	RTL:	7/29/2019
										Con:	1,000	Begin Con:	11/13/2019
								Subtotal:	5,105		2,600		
				Performance Measure				**Total (Capital + Support):**	**$7,705**				
				134 Curb Ramps									
VAR		In various cities, at various locations on various Routes. Install storm water mitigation devices.	4842	31330	0715000085	201.335	2017/18	RW:	37	PA&ED:	175	PA&ED:	5/26/2017
								Const:	1,750	PS&E:	500	RW Cert:	12/28/2017
										RW:	5	RTL:	1/12/2018
										Con:	650	Begin Con:	9/28/2018
								Subtotal:	1,787		1,330		
				Performance Measure				**Total (Capital + Support):**	**$3,117**				
				1 Acres									

Proposed

2016 SHOPP Project List
Ventura
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
BRIDGE PRESERVATION										
1	28.2	Near Sea Cliff, at Willow Creek Bridge No. 52-003; also in Ojai, on Route 33 at North Fork Matilija Bridges No. 52-0044 (PM 15.8) and No. 52-0173 (PM16.1). Upgrade bridge railings to meet current standards.	4601	29650	0713000099	201.112	2019/20	RW: 757 Const: 2,530	PA&ED: 142 PS&E: 1,360 RW: 7 Con: 1,420	PA&ED: 4/3/2018 RW Cert: 1/3/2020 RTL: 3/13/2020 Begin Con: 10/22/2020
				Performance Measure 800 Linear Feet				Subtotal: 3,287 **Total (Capital + Support): $6,216**	2,929	
33	7.6	Near Oak View, at San Antonio Creek Bridge (Br. No. 52-0065). Scour mitigation and bridge rail upgrade.	4496	29130	0712000083	201.111	2016/17	RW: 1,300 Const: 1,800	PA&ED: 250 PS&E: 1,310 RW: 240 Con: 900	PA&ED: 9/30/2016 RW Cert: 5/2/2017 RTL: 6/16/2017 Begin Con: 2/23/2018
				Performance Measure 1 Bridge(s)				Subtotal: 3,100 **Total (Capital + Support): $5,800**	2,700	
ROADWAY PRESERVATION										
1	0.0/4.4	Near Oxnard, from Los Angeles County line to south of Sycamore Canyon Road. Rehabilitate pavement.	4696	30330	0714000008	201.121	2017/18	RW: 50 Const: 4,675	PA&ED: 44 PS&E: 310 RW: 30 Con: 530	PA&ED: 9/30/2016 RW Cert: 10/26/2017 RTL: 12/15/2017 Begin Con: 7/30/2018
				Performance Measure 4 Lane Miles				Subtotal: 4,725 **Total (Capital + Support): $5,639**	914	

Proposed

2016 SHOPP Project List
Ventura
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
1	21.8/27..0	In and near Dulah and Faria, from north of Route 101 to Hobson County Park. Restore and rehabilitate culverts. (G13 Contingency Project)	4855	31440	0715000118	201.151	2018/19	RW:	55	PA&ED:	240	PA&ED:	7/14/2017
								Const:	0	PS&E:	310	RW Cert:	10/17/2018
										RW:	30	RTL:	11/30/2018
										Con:	0	Begin Con:	2/19/2019
								Subtotal:	55		580		
				Performance Measure			**Total (Capital + Support):**		**$635**				
				24 Drainage System(s)									
23	0.0/R3.3	In Thousand Oaks, from Carlisle Road to Route 101. Rehabilitate pavement.	4698	30350	0714000007	201.121	2017/18	RW:	20	PA&ED:	32	PA&ED:	9/30/2016
								Const:	3,646	PS&E:	230	RW Cert:	11/10/2017
										RW:	20	RTL:	12/15/2017
										Con:	390	Begin Con:	7/30/2018
								Subtotal:	3,666		672		
				Performance Measure			**Total (Capital + Support):**		**$4,338**				
				13 Lane Miles									
23	R3.3/R11.5	In and near cities of Thousand Oaks and Moorpark, from Route 101 to Route 118. Rehabilitate pavement.	4688	30250	0713000479	201.122	2019/20	RW:	860	PA&ED:	355	PA&ED:	8/15/2017
								Const:	77,032	PS&E:	2,650	RW Cert:	12/21/2018
										RW:	100	RTL:	12/17/2019
										Con:	6,700	Begin Con:	2/12/2021
								Subtotal:	77,892		9,805		
				Performance Measure			**Total (Capital + Support):**		**$87,697**				
				57 Lane Miles									

Proposed

2016 SHOPP Project List
Ventura
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
33	0.0/6.3	In and near the city of Ventura, from Route 101 to south of Park View Drive. Rehabilitate pavement.	4697	30340	0714000006	201.121	2017/18	RW:	20	PA&ED:	80	PA&ED:	7/20/2015
								Const:	14,809	PS&E:	585	RW Cert:	10/28/2016
										RW:	5	RTL:	12/20/2017
										Con:	1,785	Begin Con:	8/31/2018
								Subtotal:	14,829		2,455		
				Performance Measure			**Total (Capital + Support):**		**$17,284**				
				6 Lane Miles									
101	R36.7/R40.3	Near Sea Cliff, from Padre Juan Canyon Road Overcrossing to Punta Gorda Pedestrian Undercrossing. Rehabilitate roadway.	4686	30240	0713000488	201.122	2019/20	RW:	70	PA&ED:	100	PA&ED:	9/21/2018
								Const:	19,270	PS&E:	1,700	RW Cert:	2/11/2019
										RW:	200	RTL:	7/31/2019
										Con:	2,100	Begin Con:	9/2/2021
								Subtotal:	19,340		4,100		
				Performance Measure			**Total (Capital + Support):**		**$23,440**				
				21.6 Lane Miles									
118	T18.8/R32.6	In Moorpark and Simi Valley, from east of Arroyo Simi Overhead to Los Angeles County line. Pavement rehabilitation.	4771	30760	0714000220	201.121	2016/17	RW:	0	PA&ED:	115	PA&ED:	12/31/2015
								Const:	2,292	PS&E:	500	RW Cert:	12/1/2016
										RW:	35	RTL:	12/15/2016
										Con:	500	Begin Con:	7/14/2017
								Subtotal:	2,292		1,150		
				Performance Measure			**Total (Capital + Support):**		**$3,442**				
				.3 Lane Miles									

Proposed

2016 SHOPP Project List
Ventura
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
126	0.0/R13.6	In and near the cities of Ventura and Santa Paula, from Route 101 to Haun Creek Bridge. Rehabilitate pavement.	4685	30220	0713000481	201.121	2016/17	RW:	10	PA&ED:	120	PA&ED:	1/29/2016
								Const:	12,800	PS&E:	940	RW Cert:	3/3/2017
										RW:	40	RTL:	3/15/2017
										Con:	1,400	Begin Con:	11/15/2017
								Subtotal:	12,810		2,500		
				Performance Measure			**Total (Capital + Support):**		**$15,310**				
				40 Lane Miles									
126	R13.6/R34.6	In and near Fillmore, from Haun Creek Bridge to Los Angeles County line. Pavement rehabilitation.	4703	30140	0714000021	201.121	2016/17	RW:	65	PA&ED:	220	PA&ED:	12/31/2015
								Const:	20,445	PS&E:	440	RW Cert:	11/14/2016
										RW:	30	RTL:	1/13/2017
										Con:	2,400	Begin Con:	8/7/2017
								Subtotal:	20,510		3,090		
				Performance Measure			**Total (Capital + Support):**		**$23,600**				
				84 Lane Miles									
								RW:	4,030	PA&ED:	3,705		
								Const:	181,723	PS&E:	15,804		
										RW:	942		
										Con:	23,145		
								Subtotal:	185,753		43,596		

Ventura County Total (Capital + Support): $229,349

Proposed

2016 SHOPP Project List
Yolo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
5	0.4/R28.9	In and near Woodland, from the Sacramento County line to Colusa County line. Improvements to reduce maintenance worker exposure.	8572	4F830	0314000300	201.235	2018/19	RW: 10 Const: 1,940 Subtotal: 1,950	PA&ED: 240 PS&E: 400 RW: 20 Con: 420 1,080	PA&ED: 7/1/2017 RW Cert: 9/1/2018 RTL: 11/1/2018 Begin Con: 5/15/2019
				Performance Measure 32 Location(s)				**Total (Capital + Support):**	**$3,030**	
16	20.5/31.6	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.	8655A	0C472	0314000272	201.010	2016/17	RW: 7,989 Const: 19,390 Subtotal: 27,379	PA&ED: 0 PS&E: 2,570 RW: 2,500 Con: 4,850 9,920	PA&ED: 6/24/2015 RW Cert: 1/10/2017 RTL: 1/15/2017 Begin Con: 7/15/2017
				Performance Measure 330 Collisions Reduced				**Total (Capital + Support):**	**$37,299**	
16	25.2/25.5	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.	8663	4F170	0314000063	201.015	2018/19	RW: 408 Const: 1,492 Subtotal: 1,900	PA&ED: 380 PS&E: 490 RW: 140 Con: 390 1,400	PA&ED: 3/1/2017 RW Cert: 7/1/2018 RTL: 8/1/2018 Begin Con: 2/1/2019
				Performance Measure 29 Collisions Reduced				**Total (Capital + Support):**	**$3,300**	

Proposed

2016 SHOPP Project List
Yolo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
MANDATES										
5	5.5/R17.6	In and near Woodland, from County Road 102 to County Road 13 at various locations; also, in the city of Sacramento, from Seamas Avenue to Richards Boulevard (PM 19.3/24.7) at various locations. Upgrade ADA facilities. (G13 Contingency Project)	5833	3F140	0312000072	201.361	2018/19	RW: 0 Const: 0 Subtotal: 0	PA&ED: 110 PS&E: 140 RW: 30 Con: 0 Subtotal: 280	PA&ED: 2/1/2017 RW Cert: 6/1/2018 RTL: 7/1/2018 Begin Con: 1/3/2019
				Performance Measure 54 Curb Ramps			**Total (Capital + Support):**	**$280**		
BRIDGE PRESERVATION										
80	R11.3	In West Sacramento, at the Sacramento River Bridge and Overhead No. 22 -0026L/R. Rehabilitate bridge. (G13 Contingency Project)	8901	0F250	0300000075	201.110	2019/20	RW: 482 Const: 0 Subtotal: 482	PA&ED: 990 PS&E: 1,550 RW: 75 Con: 0 Subtotal: 2,615	PA&ED: 9/1/2018 RW Cert: 3/1/2020 RTL: 4/1/2020 Begin Con: 10/1/2020
				Performance Measure 2 Bridge(s)			**Total (Capital + Support):**	**$3,097**		
275	13.1	In West Sacramento, at the Tower Bridge (Sacramento River Bridge No. 22-0021). Replace fender system.	9427	3F550	0313000137	201.110	2017/18	RW: 41 Const: 7,360 Subtotal: 7,401	PA&ED: 700 PS&E: 950 RW: 135 Con: 1,635 Subtotal: 3,420	PA&ED: 1/8/2016 RW Cert: 10/1/2017 RTL: 12/1/2017 Begin Con: 6/15/2018
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**	**$10,821**		

Proposed

2016 SHOPP Project List
Yolo
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
MOBILITY													
5	VAR	In various counties on various routes at various locations. Repair and install permanent Automatic Vehicle Classification (AVC) truck data collection stations.	8571	0H410	0315000165	201.315	2018/19	RW:	80	PA&ED:	1,000	PA&ED:	1/1/2018
								Const:	9,400	PS&E:	1,000	RW Cert:	9/1/2018
										RW:	190	RTL:	10/1/2018
										Con:	1,900	Begin Con:	3/1/2019
								Subtotal:	9,480		4,090		
				Performance Measure			**Total (Capital + Support):**		**$13,570**				
				69 Field Elements									
80	2.4/R11.3	In Yolo, Placer and Sacramento Counties, on Routes 65, 80 and 99 at various locations. Install ramp meters.	6701	1F230	0300001109	201.315	2018/19	RW:	0	PA&ED:	100	PA&ED:	3/1/2016
								Const:	0	PS&E:	1,300	RW Cert:	3/1/2017
										RW:	220	RTL:	7/1/2017
		(G13 Contingency Project)								Con:	0	Begin Con:	11/1/2017
								Subtotal:	0		1,620		
				Performance Measure			**Total (Capital + Support):**		**$1,620**				
				14 Field Elements									
								RW:	9,010	PA&ED:	3,520		
								Const:	39,582	PS&E:	8,400		
										RW:	3,310		
										Con:	9,195		
								Subtotal:	48,592		24,425		
							Yolo County Total (Capital + Support):		**$73,017**				

Proposed

2016 SHOPP Project List
Yuba
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
COLLISION REDUCTION										
20	18.2/20.2	Near Smartsville, from east of the Yuba River Bridge to 0.1 mile east of Smartsville Road. Realign and widen roadway.	9590	3F510	0313000020	201.015	2017/18	RW: 7,490 Const: 28,932 Subtotal: 36,422	PA&ED: 3,800 PS&E: 3,500 RW: 1,000 Con: 4,960 13,260	PA&ED: 9/1/2016 RW Cert: 4/16/2018 RTL: 5/1/2018 Begin Con: 11/1/2018
				Performance Measure 20 Collisions Reduced				**Total (Capital + Support):**	**$49,682**	
20	20.1/21.6	Near Lake Wildwood, from 0.4 mile east of McGanney Lane to Yuba/Nevada County line; also in Nevada County, from Yuba/Nevada County line to Mooney Flat Road. Shoulder widening and curve improvements.	9588	2F590	0300020624	201.015	2017/18	RW: 2,190 Const: 15,300 Subtotal: 17,490	PA&ED: 1,570 PS&E: 1,320 RW: 1,620 Con: 3,370 7,880	PA&ED: 1/15/2016 RW Cert: 1/15/2018 RTL: 2/1/2018 Begin Con: 8/15/2018
				Performance Measure 62 Collisions Reduced				**Total (Capital + Support):**	**$25,370**	
70	16.2/25.8	Near Marysville, from Laurellen Road to South Honcut Creek Bridge. Widen shoulders and improve clear recovery zone.	9819	4F380	0314000153	201.010	2019/20	RW: 9,858 Const: 70,735 Subtotal: 80,593	PA&ED: 3,906 PS&E: 4,884 RW: 6,227 Con: 6,094 21,111	PA&ED: 2/1/2018 RW Cert: 3/1/2020 RTL: 3/15/2020 Begin Con: 9/21/2020
				Performance Measure 80 Collisions Reduced				**Total (Capital + Support):**	**$101,704**	

Proposed

2016 SHOPP Project List
Yuba
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
70	R11.0/13.6	Near Linda and Marysville, from 0.3 mile south of Feather River Boulevard to Yuba River Bridge. Install concrete median barrier.	9821	0H510	0315000201	201.015	2018/19	RW:	10	PA&ED:	350	PA&ED:	8/1/2017
								Const:	5,200	PS&E:	500	RW Cert:	9/15/2018
										RW:	40	RTL:	10/15/2018
										Con:	590	Begin Con:	4/1/2019
								Subtotal:	5,210		1,480		
				Performance Measure				**Total (Capital + Support):**	**$6,690**				
				3 Collisions Reduced									
MANDATES													
20	VAR	In and near Marysville, on Route 20 from Sutter County Line to Levee Road; also on Route 70 from E Street bridge to 24 Street. Upgrade pedestrian infrastructure.	9580	2F080	0300020462	201.361	2017/18	RW:	159	PA&ED:	356	PA&ED:	7/22/2015
								Const:	3,353	PS&E:	944	RW Cert:	10/1/2017
										RW:	1,377	RTL:	10/15/2017
										Con:	858	Begin Con:	5/1/2018
								Subtotal:	3,512		3,535		
				Performance Measure				**Total (Capital + Support):**	**$7,047**				
				69 Curb Ramps									
70	VAR	In Yuba, Sacramento, Placer, El Dorado and Butte counties, on various Routes at various locations. Upgrade pedestrian facilities.	9817	3F130	0312000071	201.361	2017/18	RW:	12	PA&ED:	360	PA&ED:	7/1/2016
								Const:	1,850	PS&E:	440	RW Cert:	12/15/2017
										RW:	20	RTL:	1/15/2018
										Con:	800	Begin Con:	7/15/2018
								Subtotal:	1,862		1,620		
				Performance Measure				**Total (Capital + Support):**	**$3,482**				
				104 Curb Ramps									

Proposed

2016 SHOPP Project List
Yuba
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital	Support	Milestones
BRIDGE PRESERVATION										
70	15.5/16.4	Near Marysville, at Simmerly Slough Bridge No. 16-0019. Replace bridge.	9812	1E060	0312000068	201.111	2017/18	RW: 1,200 Const: 18,039	PA&ED: 1,600 PS&E: 1,500 RW: 550 Con: 4,184	PA&ED: 4/15/2016 RW Cert: 11/15/2017 RTL: 12/1/2017 Begin Con: 7/1/2018
								Subtotal: 19,239	7,834	
				Performance Measure 1 Bridge(s)			**Total (Capital + Support):**	**$27,073**		
ROADWAY PRESERVATION										
20	13.3/R17.6	Near Marysville, from Marysville Road to Yuba River (Parks Bar) bridge. Rehabilitate roadway. (G13 Contingency Project)	9579	0A570	0300020593	201.120	2016/17	RW: 4,400 Const: 0	PA&ED: 3,700 PS&E: 2,210 RW: 1,620 Con: 0	PA&ED: 7/15/2016 RW Cert: 1/18/2019 RTL: 1/15/2019 Begin Con: 9/1/2019
								Subtotal: 4,400	7,530	
				Performance Measure 9.9 Lane Miles			**Total (Capital + Support):**	**$11,930**		
20	8.0/10.2	Near Marysville, from 0.1 mile east of Loma Rica Road to 0.2 mile west of Spring Valley Road. Rehabilitate roadway. (G13 Contingency Project)	9587	2F320	0300020594	201.120	2018/19	RW: 1,400 Const: 0	PA&ED: 1,160 PS&E: 1,610 RW: 950 Con: 0	PA&ED: 6/1/2016 RW Cert: 3/1/2018 RTL: 3/15/2018 Begin Con: 1/2/2019
								Subtotal: 1,400	3,720	
				Performance Measure 4.4 Lane Miles			**Total (Capital + Support):**	**$5,120**		

Proposed

2016 SHOPP Project List
Yuba
($1,000)

Route	Post Miles	Location/Description	PPNO	EA	EFIS	Program Code	Program Year	Capital		Support		Milestones	
70	15.1/16.5	In and near Marysville, from Marysville Underpass to north of Laurellen Road. Roadway rehabilitation.	9820	0H160	0315000082	201.120	2018/19	RW:	200	PA&ED:	1,000	PA&ED:	3/15/2017
								Const:	17,100	PS&E:	2,000	RW Cert:	7/1/2018
										RW:	400	RTL:	8/1/2018
										Con:	2,030	Begin Con:	2/1/2019
								Subtotal:	17,300		5,430		
				Performance Measure									
				3 Lane Miles			**Total (Capital + Support):**		**$22,730**				
								RW:	26,919	PA&ED:	17,802		
								Const:	160,509	PS&E:	18,908		
										RW:	13,804		
										Con:	22,886		
								Subtotal:	187,428		73,400		

Yuba County Total (Capital + Support): $260,828

Proposed

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Prepared by the
California Department of Transportation
California State Transportation Agency