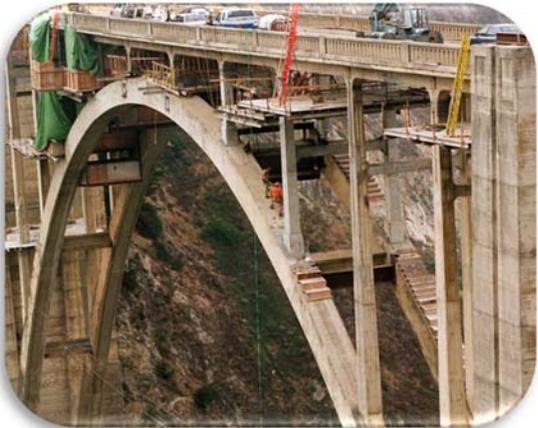




2016 SHOPP



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**



March 16, 2016

Edmund G. Brown Jr.
Governor, State of California

Brian P. Kelly
Secretary, California State Transportation Agency

Malcolm Dougherty
Director, California Department of Transportation

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) will 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 submitted a 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 | 1,000 |
| Collision Reduction | 2,422 |
| Mandates | 635 |
| Bridge Preservation | 1,439 |
| Roadway Preservation | 3,124 |
| Mobility | 652 |
| 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 will invest in those assets as summarized below in **Table 2**.

Table 2 - 2016 SHOPP Performance Measures

| Asset | Performance |
|--|--|
| Pavement | 4,875 Lane-miles of pavement improved |
| Bridge | 163 bridges rehabilitated |
| Culverts | 723 Culverts rehabilitated |
| Intelligent Transportation Systems (ITS) | 1,600 Replaced 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 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 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 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 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 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 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 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 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 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 not

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

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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INTRODUCTION

The 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 F**), 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 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 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 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.

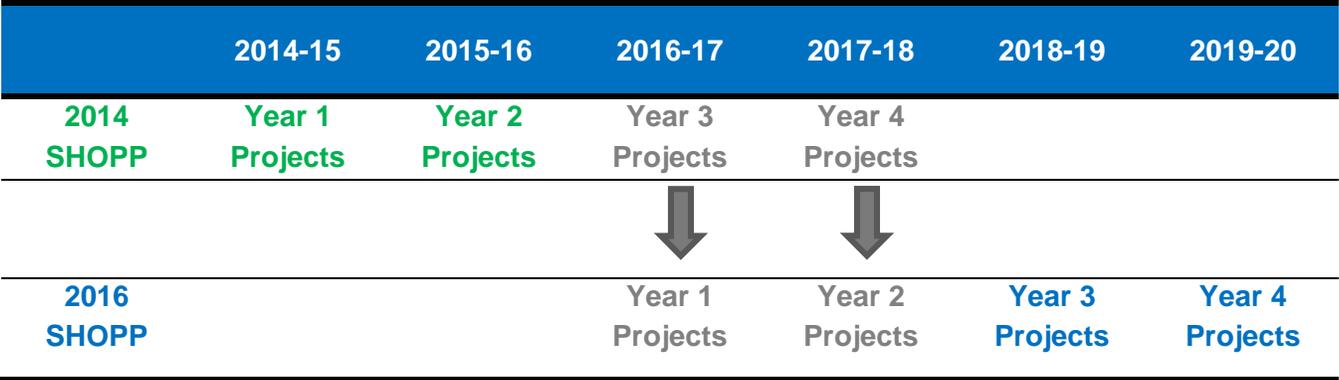


FIGURE 1 - RELATIONSHIP BETWEEN 2014 AND 2016 SHOPP CYCLES

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 adoption 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 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 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 the 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 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.

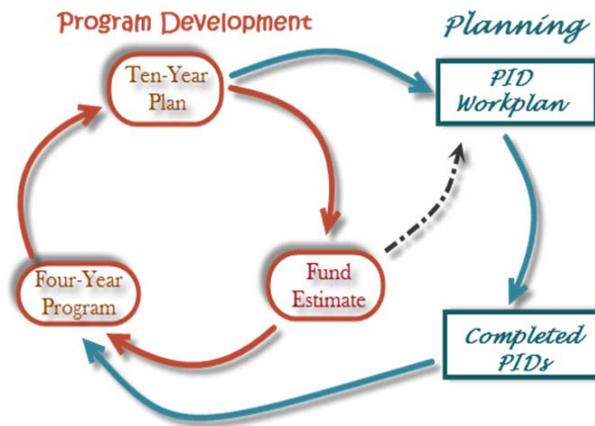


FIGURE 2 - TWO-YEAR SHOPP DEVELOPMENT CYCLE

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 (E&P), 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 2016 SHOPP.

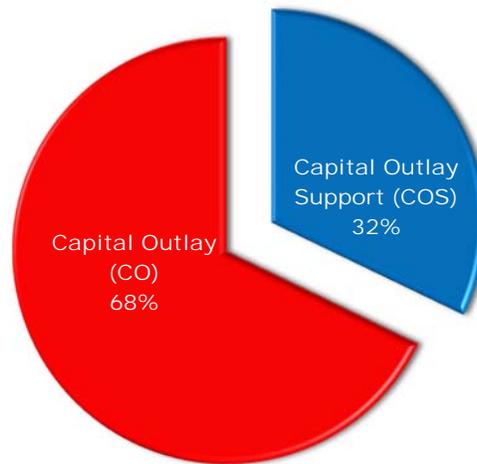


FIGURE 3 - 2016 SHOPP CAPITAL OUTLAY & CAPITAL OUTLAY SUPPORT IN TERMS OF A PROJECT DOLLAR

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 2016 SHOPP includes 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. In addition, performance measures for each project are identified in the project list.

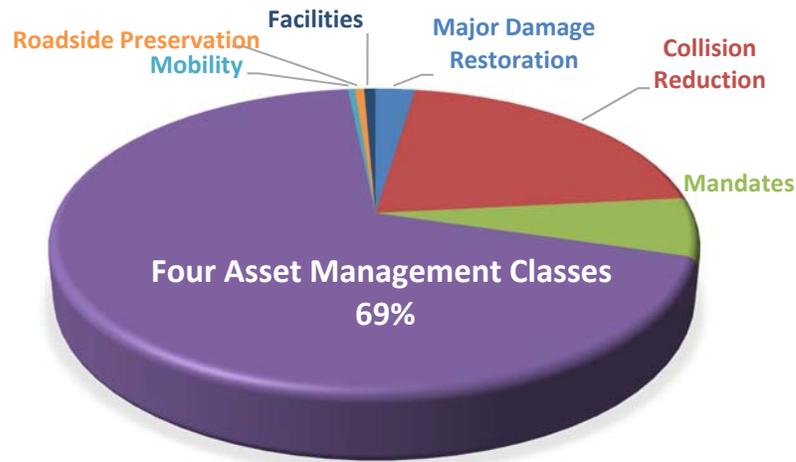


FIGURE 4 - PERCENT OF PROJECTS IN ASSET MANAGEMENT CLASSES

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 (GHG) 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. These projects require complex environmental analysis resulting in an EIS/EIR or ND/FONSI. 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 2016 SHOPP contains nine long-lead projects, valued at \$1.1 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 2016 SHOPP contains 104 “contingency” projects, valued at \$2.7 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 SHOPP-eligible operation improvement projects as shown in **Exhibit D**.

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 2016 SHOPP has identified approximately 872 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 3 summarizes 2016 SHOPP projects and planned reservations against the 2015 Ten-year SHOPP Plan. A detailed summary of the 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 | 35 | 239 | 761 | 1,000 | 884 |
| Collision Reduction | 299 | 2,244 | 178 | 2,422 | 1,728 |
| Mandates | 101 | 635 | - | 635 | 560 |
| Bridge Preservation | 163 | 1,404 | 35 | 1,439 | 1,368 |
| Roadway Preservation | 204 | 3,024 | 100 | 3,124 | 3,459 |
| Mobility | 55 | 440 | 212 | 652 | 469 |
| Roadside Preservation | 10 | 54 | 43 | 97 | 92 |
| Facilities | 5 | 70 | 10 | 80 | 40 |
| Subtotal | 872 | 8,110 | 1,339 | 9,449 | 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 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 2016 SHOPP projects will have on the transportation system.

RESERVATIONS

The 2016 SHOPP includes reservations of \$1,949 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 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 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 2016 SHOPP as *“In the city of Sacramento at the American River Bridge No.24-0003. Widen and replace bridge deck”* is incorporated into the 2016 SHOPP as a contingency project. 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 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 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 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 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 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 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 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 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 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 (SCRTC)

- The Department is working with CA Department 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**
- Exhibit G: 2016 SHOPP Program Categories**
- Exhibit H: 2016 SHOPP County Listing of Projects**

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 \$81.5 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, 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. Project delivery milestones and performance measures are included for each program.

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;
- Ensure that the SHOPP reflects a specific project delivery plan and commitment; and
- Ensure implementation of Asset Management principles in both project selection and delivery.

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 | 96 | 129 | 14 | - | 239 |
| Collision Reduction | 581 | 919 | 363 | 380 | 2,244 |
| Mandates | 185 | 144 | 137 | 169 | 635 |
| Bridge Preservation | 294 | 533 | 142 | 435 | 1,404 |
| Roadway Preservation | 855 | 427 | 817 | 925 | 3,024 |
| Mobility | 54 | 52 | 199 | 136 | 440 |
| Roadside Preservation | 13 | - | 30 | 11 | 54 |
| Facilities | 17 | 31 | 22 | - | 70 |
| Subtotal | \$2,094 | \$2,236 | \$1,724 | \$2,056 | \$8,110 |
| Reserved | 2016-17 | 2017-18 | 2018-19 | 2019-20 | Total |
| Major Damage Restoration | 155 | 140 | 226 | 240 | 761 |
| Collision Reduction | 40 | - | 80 | 59 | 178 |
| 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 | \$196 | \$143 | \$666 | \$334 | \$1,339 |
| Programmed and Reserved | 2016-17 | 2017-18 | 2018-19 | 2019-20 | Total |
| Major Damage Restoration | 250 | 269 | 240 | 240 | 1,000 |
| Collision Reduction | 620 | 919 | 442 | 440 | 2,422 |
| Mandates | 185 | 144 | 137 | 169 | 635 |
| Bridge Preservation | 294 | 533 | 177 | 435 | 1,439 |
| Roadway Preservation | 855 | 427 | 917 | 925 | 3,124 |
| Mobility | 54 | 54 | 404 | 140 | 652 |
| 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.

Roadway:

Reservations are for Drainage System Restoration (201.151) projects to address culvert conditions.

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" and Transportation Management Systems (201.315) to address TMS detector health.

Roadside Preservation:

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

Emergency Relief (ER) Reimbursement:

Average annual reimbursement for federally declared disasters.

Facilities:

Reservations are for Transportation Related Facilities composed of Equipment Shops (201.351), Maintenance Facilities (201.352), Material and Testing Laboratories (201.354) and Transportation Management Centers (TMCs) to address facility needs and provide a safe and functional working environment.

Minor Program:

An annual reservation is held for the SHOPP Minor program.

Exhibit C

2016 SHOPP Long Lead Projects (\$1,000)

| 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 |
| 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 No. 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

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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).

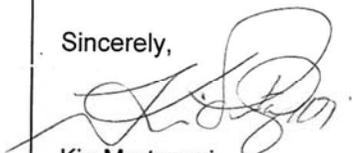
For the proposed safety project on State Route 22 (SR-22) (PPNO 2941/EA 0M900), OCTA requests that Caltrans consider an enhanced outreach effort as the project moves forward in the environmental process. This safety project would shorten the existing collector-distributor (CD) road concrete barrier, 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



401 B Street, Suite 800
San Diego, CA 92101-4231
(619) 699-1900
Fax (619) 699-1905
www.sandag.org

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

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- Southern California Tribal Chairmen's Association
- Mexico

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



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 a 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.

- Auburn*
- Citrus Heights*
- Collax*
- 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*

- 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.

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



- 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



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



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
P.O. BOX 942849
SACRAMENTO, CA 942849-0116
(916) 319-2093
FAX: (916) 319-2193

Assembly
California Legislature



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JIMMY GOMEZ
YOUNG O. KIM
ERIC LINDER
JOSE MEDINA
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



Printed on Recycled Paper



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

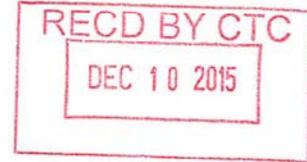
YUBA CITY DISTRICT OFFICE
 409 CENTER ST. STE. C
 YUBA CITY, CA 95993
 (530) 751-8657

California State Senate



**SENATOR
 JIM NIELSEN**
 FOURTH SENATE DISTRICT

COMMITTEES
 BUDGET & FISCAL REVIEW
 HEALTH
 INSURANCE
 VETERANS AFFAIRS



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

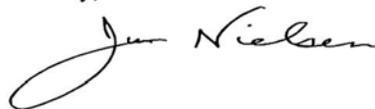
movement of so many vehicles on a two-lane road with limited shoulders makes for a very difficult and dangerous roadway. In addition, during this time the fruit stands along both sides of Highway 70 are in full operation and cars and trucks are pulling in and out of these driveways on the highway as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

A handwritten signature in black ink that reads "Jim Nielsen". The signature is written in a cursive style with a large, looping initial "J".

JIM NIELSEN
Senator, Fourth District

JN/lm

LUCETTA DUNN, Chair
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SENATOR JIM BEALL, Ex Officio
ASSEMBLY MEMBER JIM FRAZIER, Ex Officio

WILL KEMPTON, Executive Director

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,

A handwritten signature in blue ink that reads "Will Kempton".

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.

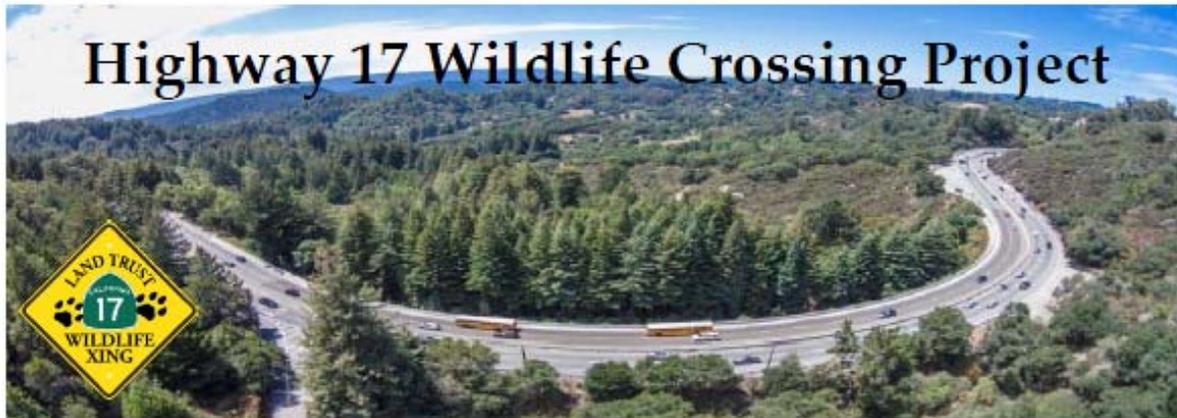
The RTC strongly urges Caltrans to include the Highway 17 Wildlife Crossing project on the Final 2016 SHOPP project list.

Sincerely,

George Dopclero
Executive Director

Enclosures (2)

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



Highway 17 Wildlife Crossing Project

A Dangerous Highway – for Wildlife and Humans

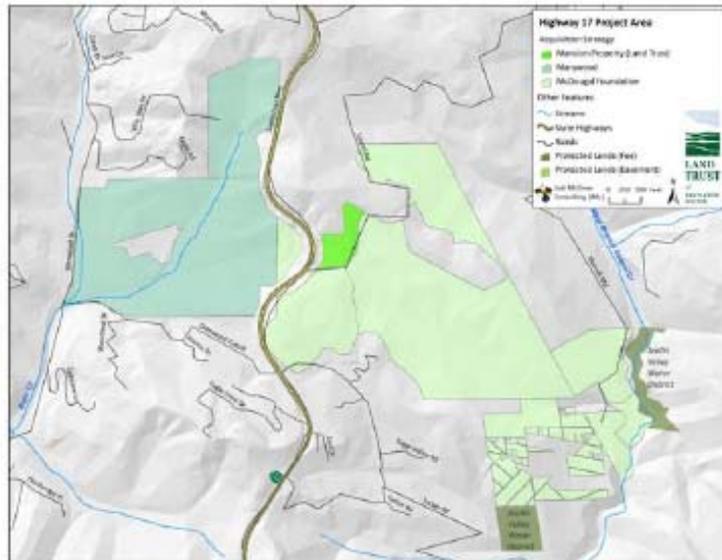
Highway 17 is the major freeway connection between the San Francisco Bay Area and the Monterey Bay Region. More than 55,000 vehicles travel the highway each day (20 million vehicles a year).

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

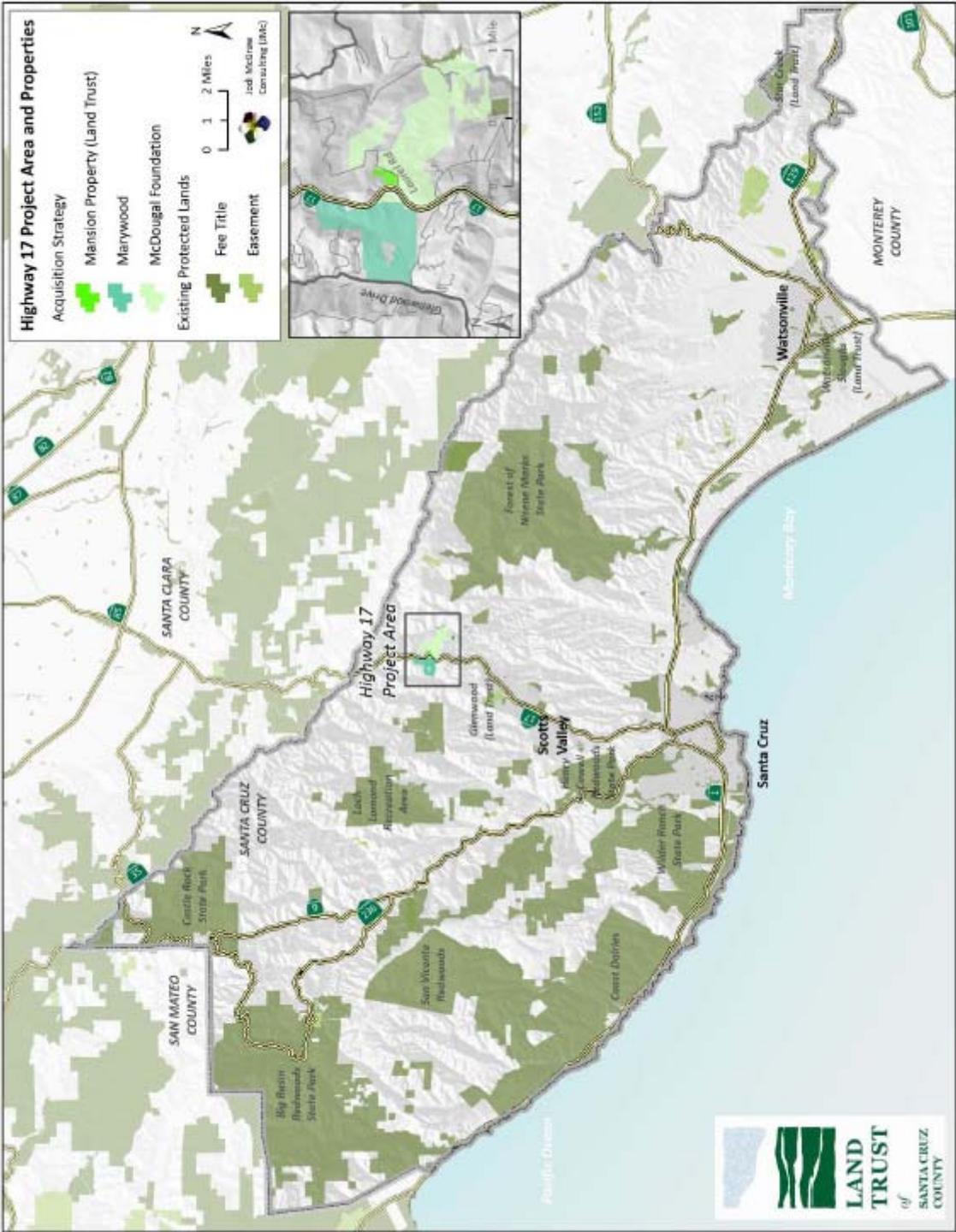
1. The Land Trust has conserved the "McDougal" and "Mansion" properties, giving us control of the land on either side of the highway where a wildlife crossing could be built.
2. The Land Trust has secured an Option Agreement to purchase the Marywood property. The appraisal, completed in November 2014, 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).





**METROPOLITAN
TRANSPORTATION
COMMISSION**

Joseph P. Bott Metro-Center
101 Eighth Street
Oakland, CA 94607-4700
TEL: 510.817.5700
TTY/FDD: 510.817.5769
FAX: 510.817.5848
EMAIL: info@mtc.ca.gov
WEB: www.mtc.ca.gov

December 14, 2015

Doni Carter, Chair
Sacramento County

John Montezic, Vice Chair
Sacramento County

Alvin C. Aguirre
Contra Costa County

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and Urban Development

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San Francisco MetroAgencies

Amy Rose Hark
City of Contra Costa County

Steve Haggerty
Executive Director

Ellie Beckelmann
Highway Economic Development Policy

Andrew B. Frazier
Highway Planning Division Operations

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

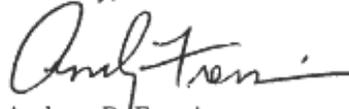
2016 SHOPP Comments
 December 14, 2015
 Page 3

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

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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

CAL. GOV. CODE § 14526.5

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

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

(c) The department, at a minimum, shall specify, for each project in the state highway operation and protection program, the capital and support budget, as well as a projected delivery date, for each of the following project components:

- (1) Completion of project approval and environmental documents.
- (2) Preparation of plans, specifications, and estimates.
- (3) Acquisition of rights-of-way, including, but not limited to, support activities.
- (4) Start of construction.

(d) 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.

(e) The commission may review the program relative to its overall adequacy, consistency with the asset management plan prepared and approved pursuant to Section 14526.4 and funding priorities established in Section 167 of the Streets and Highways Code, the level of annual funding needed to implement the program, and the impact of those expenditures on the state transportation improvement program. The commission shall adopt the program and submit it to the Legislature and the Governor not later than April 1 of each even-numbered year. The commission may decline to adopt the program if the commission determines that the program is not sufficiently consistent with the asset management plan prepared and approved pursuant to Section 14526.4.

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

Exhibit G

2016 SHOPP Program Categories

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

Exhibit G

2016 SHOPP Program Categories Cont.

| Categories/Program | Program Code | Performance Measure |
|---|--------------|----------------------------------|
| ROADWAY PRESERVATION | | |
| Roadway Rehabilitation (3R) | 201.120 | Lane Miles |
| Pavement Rehabilitation (CAPM) | 201.121 | Lane Miles |
| Roadway Rehabilitation (2R) | 201.122 | Lane Miles |
| Long-Life Pavement Rehabilitation | 201.125 | Lane Miles |
| Roadway Protective Betterments | 201.150 | Locations |
| Drainage System Restoration | 201.151 | Drainage Systems |
| Signs and Lighting Rehabilitation | 201.170 | Signs or Lighting Fixtures |
| MOBILITY | | |
| Operational Improvements | 201.310 | 1,000 Vehicle Hours |
| Transportation Management Systems | 201.315 | Field Elements or Miles of Cable |
| Weigh Stations | 201.321 | Locations |
| ROADSIDE PRESERVATION | | |
| Roadside Rehabilitation | 201.210 | Acres |
| New Highway Planting | 201.220 | Acres |
| Roadside Protection, Restoration and Advance Mitigation | 201.240 | Locations |
| Safety Roadside Rest Area Rehabilitation | 201.250 | Centerline Miles |
| New Safety Roadside Rest Areas | 201.260 | Locations |
| FACILITIES | | |
| Equipment Facilities | 201.351 | Locations |
| Maintenance Facilities | 201.352 | Locations |
| Office Facilities | 201.353 | Locations |
| Materials Labs | 201.354 | Locations |

2016 SHOPP COUNTY LISTING OF PROJECTS

| County | Page No. | County | Page No. |
|---------------|-----------------|-----------------|-----------------|
| Alameda | H - 1 | Orange | H - 179 |
| Alpine | H - 18 | Placer | H - 196 |
| Amador | H - 20 | Plumas | H - 200 |
| Butte | H - 21 | Riverside | H - 203 |
| Calaveras | - | Sacramento | H - 224 |
| Colusa | H - 24 | San Benito | H - 234 |
| Contra Costa | H - 26 | San Bernardino | H - 235 |
| Del Norte | H - 31 | San Diego | H - 260 |
| El Dorado | H - 35 | San Francisco | H - 275 |
| Fresno | H - 39 | San Joaquin | H - 280 |
| Glenn | H - 46 | San Luis Obispo | H - 289 |
| Humboldt | H - 49 | San Mateo | H - 295 |
| Imperial | H - 60 | Santa Barbara | H - 301 |
| Inyo | H - 61 | Santa Clara | H - 309 |
| Kern | H - 65 | Santa Cruz | H - 319 |
| Kings | H - 73 | Shasta | H - 325 |
| Lake | H - 76 | Sierra | H - 331 |
| Lassen | H - 81 | Siskiyou | H - 332 |
| Los Angeles | H - 85 | Solano | H - 337 |
| Madera | H - 124 | Sonoma | H - 341 |
| Marin | H - 127 | Stanislaus | H - 350 |
| Mariposa | H - 135 | Sutter | H - 356 |
| Mendocino | H - 137 | Tehama | H - 357 |
| Merced | H - 145 | Trinity | H - 361 |
| Modoc | H - 152 | Tulare | H - 366 |
| Mono | H - 154 | Tuolumne | H - 370 |
| Monterey | H - 157 | Ventura | H - 373 |
| Napa | H - 167 | Yolo | H - 382 |
| Nevada | H - 174 | Yuba | H - 387 |

**2016 SHOPP Project List
Alameda
(\$1,000)**



| 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 | E&P: | 0 | PA&ED: | 10/28/2014 |
| | | | | | | | | Const: | 200 | PS&E: | 100 | RW Cert: | 7/15/2017 |
| | | | | | | | | | | RW: | 0 | RTL: | 8/1/2017 |
| | | | | | | | | | | Con: | 190 | Begin Con: | 1/23/2018 |
| | | | | | | | | Subtotal: | 200 | | 290 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | Total (Capital + Support): | \$490 | | | |
| <hr/> | | | | | | | | | | | | | |
| 880 | 2.4 | In Fremont, at Warren Avenue. Install pressure grouting. | 0070A | 1SS43 | 0412000602 | 201.131 | 2016/17 | RW: | 80 | E&P: | 850 | PA&ED: | 3/1/2016 |
| | | | | | | | | Const: | 6,016 | PS&E: | 950 | RW Cert: | 1/9/2017 |
| | | | | | | | | | | RW: | 64 | RTL: | 2/1/2017 |
| | | | | | | | | | | Con: | 1,150 | Begin Con: | 8/9/2017 |
| | | | | | | | | Subtotal: | 6,096 | | 3,014 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | Total (Capital + Support): | \$9,110 | | | |

**2016 SHOPP Project List
Alameda
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|--|-------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|----------------|------------|------------|-----------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 788 | PA&ED: | 7/1/2017 |
| | | | | | | | | Const: | 3,320 | PS&E: | 788 | RW Cert: | 11/1/2018 |
| | | | | | | | | | | RW: | 72 | RTL: | 11/1/2018 |
| | | | | | | | | | | Con: | 680 | Begin Con: | 4/23/2019 |
| | | | | | | | | Subtotal: | 3,580 | | 2,328 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 24.0 Collisions Reduced | Total (Capital + Support): | \$5,908 | | | |
| <hr/> | | | | | | | | | | | | | |
| 13 | VAR | In various cities, on various routes, at various locations. Crosswalk safety enhancements. | 1487Q | 3J110 | 0415000088 | 201.015 | 2018/19 | RW: | 50 | E&P: | 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 | | | | | |
| | | | | | | | | 939.0 Collisions Reduced | Total (Capital + Support): | \$6,662 | | | |

**2016 SHOPP Project List
Alameda
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|-------|-------|-----------------------------------|-----------------|--------------|--------|---------|-----------|---------|------------|------------|
| 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 | E&P: | 122 | PA&ED: | 9/30/2015 |
| | | | | | | | | Const: | 1,800 | PS&E: | 400 | RW Cert: | 7/1/2016 |
| | | | | | | | | | | RW: | 100 | RTL: | 7/15/2016 |
| | | | | | | | | | | Con: | 400 | Begin Con: | 3/23/2017 |
| | | | | | | | | | | 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 | E&P: | 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 | | | | | | | |
| | | 90.0 Collisions Reduced | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 27.0 Collisions Reduced | | | | | | | | | | | |

**2016 SHOPP Project List
Alameda
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|-------|-------|------------|--------------|-----------------------------------|----------------|---------|-------|---------|------------|------------|
| 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 | E&P: | 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 | | | |
| | | | | | | | Total (Capital + Support): | \$4,479 | | | | | |
| | | Performance Measure | | | | | | | | | | | |
| | | 27.0 Collisions Reduced | | | | | | | | | | | |
| 123 | 2.8 | In Berkeley, at Bancroft Way. Install traffic signal. | 0481X | 1J700 | 0414000329 | 201.010 | 2017/18 | RW: | 20 | E&P: | 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 | | | |
| | | | | | | | Total (Capital + Support): | \$1,638 | | | | | |
| | | Performance Measure | | | | | | | | | | | |
| | | 12.0 Collisions Reduced | | | | | | | | | | | |
| 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 | E&P: | 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 | | | |
| | | | | | | | Total (Capital + Support): | \$3,437 | | | | | |
| | | Performance Measure | | | | | | | | | | | |
| | | 231.0 Collisions Reduced | | | | | | | | | | | |

**2016 SHOPP Project List
Alameda
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|-------|---------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$5,878 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 63.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$4,059 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 67.0 Location(s) | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,743 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 41.0 Collisions Reduced | | | | | |

**2016 SHOPP Project List
Alameda
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$7,392 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 83.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$2,874 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 33.0 Location(s) | | | | | |
| VAR | | In Alameda and Contra Costa Counties, on various routes at various intersection locations. Enhance pedestrian crossings. | 0820P | OJ000 | 0413000370 | 201.015 | 2016/17 | RW: | 10 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,546 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 244.0 Collisions Reduced | | | | | |

**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 locations. Apply high friction surface treatment. | 0488M | 1J370 | 0414000250 | 201.010 | 2017/18 | RW: 25 Const: 6,715 | E&P: 726 PS&E: 1,370 RW: 28 Con: 1,370 | PA&ED: 3/31/2017 RW Cert: 4/16/2018 RTL: 5/15/2018 Begin Con: 11/21/2018 |
| | | | | | | | | Subtotal: | 6,740 | 3,494 |
| | | | | | | | | Total (Capital + Support): | \$10,234 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 607.0 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 Americans with Disabilities Act (ADA) standards. | 0124M | 2G460 | 0400020859 | 201.378 | 2019/20 | RW: 120 Const: 1,389 | E&P: 619 PS&E: 543 RW: 75 Con: 423 | PA&ED: 4/1/2018 RW Cert: 10/1/2019 RTL: 11/1/2019 Begin Con: 4/24/2020 |
| | | | | | | | | Subtotal: | 1,509 | 1,660 |
| | | | | | | | | Total (Capital + Support): | \$3,169 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 47.9 Curb Ramps | | |

**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 | E&P: | 455 | PA&ED: | 2/1/2016 |
| | | | | | | | | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$5,838 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 34.0 Structure(s) | | | | | |
| 13 | T9.8/10.8 | In Oakland and Berkeley, from Hiller Drive to Claremont Avenue at various locations. Upgrade Americans with Disabilities Act (ADA) facilities. (G13 Contingency Project) | 0144A | 2G660 | 0400021103 | 201.378 | 2018/19 | RW: | 200 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,950 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 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 Americans with Disabilities Act (ADA) standards. | 0091P | 1G910 | 0400020582 | 201.378 | 2019/20 | RW: | 50 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,955 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 66.2 Curb Ramps | | | | | |

**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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,081 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 10.0 Curb Ramps | | | | | |

BRIDGE PRESERVATION

| | | | | | | | | | | | | | |
|----|-----------|---|-------|-------|------------|---------|---------|-----------------------------------|----------------|-------|-------|------------|-----------|
| 84 | 13.0/13.6 | In Fremont, at Alameda Creek Bridge No. 33-36. Replace bridge. (G13 Contingency Project) | 0084B | 16030 | 0400000429 | 201.110 | 2017/18 | RW: | 275 | E&P: | 4,000 | PA&ED: | 6/1/2016 |
| | | | | | | | | Const: | 0 | PS&E: | 5,000 | RW Cert: | 1/1/2018 |
| | | | | | | | | | | RW: | 299 | RTL: | 4/1/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 12/8/2018 |
| | | | | | | | | Subtotal: | 275 | | 9,299 | | |
| | | | | | | | | Total (Capital + Support): | \$9,574 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | | | | |

**2016 SHOPP Project List
Alameda
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|-----------------------------------|-----------------|--------------|--------|---------|-----------|------------|------------|------------|
| 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 | E&P: | 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 | | | | | | | |
| | | 1.0 Bridge(s) | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 3.0 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 | E&P: | 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 | | | | | | | |
| | | 1.0 Bridge(s) | | | | | | | | | | | |

**2016 SHOPP Project List
Alameda
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|--|-------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$6,815 | | |
| 580 | R8.0 | Near Livermore, near Greenville Road at Greenville Overhead Bridge No. 33-0121R. Rehabilitate westbound structure. | 0480J | 0J520 | 0414000009 | 201.110 | 2019/20 | RW: | 140 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$8,739 | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$1,496 | | |

**2016 SHOPP Project List
Alameda
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|-------|---------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$5,311 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | | | | |

ROADWAY PRESERVATION

| | | | | | | | | | | | | | |
|-----|---------|---|-------|-------|------------|---------|---------|-----------------------------------|----------------|-------|-----|------------|--|
| 580 | 0.0/7.8 | Near Livermore, from San Joaquin county line to east of Greenville Overcrossing; also on Route 205 (PM 0.0/1.0) from San Joaquin county line to Midway Road Undercrossing. Environmental mitigation for EA 3G590. | 8315X | 3G59C | 0416000157 | 201.122 | 2018/19 | RW: | 2,100 | E&P: | 0 | PA&ED: | |
| | | | | | | | | Const: | 0 | PS&E: | 0 | RW Cert: | |
| | | | | | | | | | | RW: | 150 | RTL: | |
| | | | | | | | | | | Con: | 0 | Begin Con: | |
| | | | | | | | | Subtotal: | 2,100 | | 150 | | |
| | | | | | | | | Total (Capital + Support): | \$2,250 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 53.0 Lane Miles | | | | | |

**2016 SHOPP Project List
Alameda
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,683 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 85.6 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 | E&P: | 0 | PA&ED: | 2/29/2016 |
| | | | | | | | | Const: | 16,500 | PS&E: | 2,470 | RW Cert: | 1/23/2017 |
| | | | | | | | | | | RW: | 80 | RTL: | 2/1/2017 |
| | | | | | | | | | | Con: | 3,300 | Begin Con: | 8/1/2017 |
| | | | | | | | | Subtotal: | 16,510 | | 5,850 | | |
| | | | | | | | | Total (Capital + Support): | \$22,360 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 15.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$25,583 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 39.2 Lane Miles | | | | | |

**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 | E&P: | 7,150 | PA&ED: | 10/2/2018 |
| | | | | | | | | Const: | 109,853 | PS&E: | 7,150 | RW Cert: | 6/1/2020 |
| | | | | | | | | | | RW: | 1,500 | RTL: | 6/1/2020 |
| | | | | | | | | | | Con: | 16,400 | Begin Con: | 3/30/2021 |
| | | | | | | | | | | Subtotal: | 109,928 | | 32,200 |
| | | Performance Measure | | | | Total (Capital + Support): | \$142,128 | | | | | | |
| | | 63.0 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. | 0483W | 4H580 | 0413000162 | 201.121 | 2016/17 | RW: | 40 | E&P: | 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 | | | | | | |
| | | (G13 Contingency Project) | | | | | | | | | | | |
| | | 124.8 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 | E&P: | 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 | | | | | | |
| | | 4.0 Lane Miles | | | | | | | | | | | |

**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 | E&P: 760 PS&E: 760 RW: 260 Con: 1,044 | PA&ED: 6/1/2018 RW Cert: 10/1/2019 RTL: 10/1/2019 Begin Con: 4/8/2020 |
| | | | | | | | | Subtotal: | 5,147 | 2,824 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 29.0 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 | E&P: 2,700 PS&E: 2,700 RW: 50 Con: 3,600 | PA&ED: 4/16/2018 RW Cert: 4/15/2020 RTL: 6/15/2020 Begin Con: 12/11/2020 |
| | | | | | | | | Subtotal: | 17,980 | 9,050 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 89.0 Field Elements | Total (Capital + Support): | \$27,030 |

**2016 SHOPP Project List
Alameda
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|---|--|
| 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 | E&P: 0 PS&E: 1,121 RW: 63 Con: 0 | PA&ED: 6/29/2015 RW Cert: 7/2/2018 RTL: 8/1/2018 Begin Con: 12/3/2018 |
| | | | | | | | | Subtotal: | 5 | 1,184 |
| | | | | | | | | Total (Capital + Support): | \$1,189 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 2.0 | Location(s) | |
| 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 Const: 16,000 | E&P: 450 PS&E: 1,340 RW: 10 Con: 3,000 | PA&ED: 8/1/2016 RW Cert: 2/1/2017 RTL: 3/1/2017 Begin Con: 11/1/2017 |
| | | | | | | | | Subtotal: | 16,000 | 4,800 |
| | | | | | | | | Total (Capital + Support): | \$20,800 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 800.0 | Field Elements | |

**2016 SHOPP Project List
Alameda
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------------------|------------|--|-------|-------|------------|--------------|----------------------------|-------------------------|---|--|
| 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 Const: 12,450 | E&P: 0 PS&E: 1,500 RW: 15 Con: 3,000 | PA&ED: 12/28/2005 RW Cert: 7/23/2016 RTL: 8/1/2016 Begin Con: 4/10/2017 |
| | | | | | | | Subtotal: | 12,470 | 4,515 | |
| | | | | | | | Performance Measure | | | Total (Capital + Support): |
| | | | | | | | 1.0 Location(s) | | | \$16,985 |

| | | | |
|-----------|---------|-------|---------|
| RW: | 6,568 | E&P: | 46,105 |
| Const: | 307,097 | PS&E: | 56,992 |
| | | RW: | 6,166 |
| | | Con: | 57,486 |
| Subtotal: | 313,665 | | 166,749 |

Alameda County Total (Capital + Support): \$480,414

**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 | OX750 | 1013000009 | 201.112 | 2019/20 | RW: | 176 | E&P: | 496 | PA&ED: | 1/11/2018 |
| | | | | | | | | Const: | 4,224 | PS&E: | 949 | RW Cert: | 12/9/2019 |
| | | | | | | | | | | RW: | 13 | RTL: | 2/17/2020 |
| | | | | | | | | | | Con: | 1,229 | Begin Con: | 7/7/2020 |
| | | | | | | | | Subtotal: | 4,400 | | 2,687 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 550.0 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 | 1014000100 | 201.151 | 2019/20 | RW: | 71 | E&P: | 870 | PA&ED: | 4/4/2018 |
| | | | | | | | | Const: | 3,319 | PS&E: | 1,176 | RW Cert: | 10/13/2019 |
| | | | | | | | | | | RW: | 359 | RTL: | 1/2/2020 |
| | | | | | | | | | | Con: | 851 | Begin Con: | 9/1/2020 |
| | | | | | | | | Subtotal: | 3,390 | | 3,256 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 32.0 Drainage System(s) | | Total (Capital + Support): | \$6,646 | | |

2016 SHOPP Project List Alpine (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| 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 | 1014000099 | 201.151 | 2019/20 | RW: 269 Const: 4,290 | E&P: 698 PS&E: 1,043 RW: 317 Con: 762 | PA&ED: 4/4/2018 RW Cert: 12/1/2019 RTL: 1/15/2020 Begin Con: 9/1/2020 |
| | | | | | | | | Subtotal: | 4,559 | 2,820 |
| | | | | | | | | Total (Capital + Support): | \$7,379 | |

Performance Measure
50.0 Drainage System(s)

| | | | |
|-----------|--------|-------|-------|
| RW: | 516 | E&P: | 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

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 | E&P: 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 | | | | | | | | Total (Capital + Support): | | \$3,733 | |
| 35.0 Drainage System(s) | | | | | | | | | | | |

| | | | |
|-----------|-------|-------|-------|
| RW: | 26 | E&P: | 250 |
| Const: | 2,328 | PS&E: | 448 |
| | | RW: | 65 |
| | | Con: | 616 |
| Subtotal: | 2,354 | | 1,379 |

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

**2016 SHOPP Project List
Butte
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|--|--|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 | E&P: 200 PS&E: 430 RW: 200 Con: 600 | PA&ED: 4/7/2015 RW Cert: 10/1/2016 RTL: 10/15/2016 Begin Con: 4/15/2017 |
| | | | | | | | | Subtotal: | 2,010 | 1,430 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 18.0 Collisions Reduced | Total (Capital + Support): | \$3,440 |
| <hr/> | | | | | | | | | | |
| 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 | E&P: 1,150 PS&E: 1,350 RW: 750 Con: 2,700 | PA&ED: 5/18/2015 RW Cert: 8/1/2016 RTL: 8/20/2016 Begin Con: 1/15/2017 |
| | | | | | | | | Subtotal: | 23,300 | 5,950 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 140.0 Collisions Reduced | Total (Capital + Support): | \$29,250 |

**2016 SHOPP Project List
Butte
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|----------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|-----------|
| MANDATES | | | | | | | | | | | | | |
| 32 | R8.8/9.5 | In Chico, from Walnut Street to Poplar Street. Upgrade Americans with Disabilities Act (ADA) facilities. (G13 Contingency Project) | 2112 | 4F800 | 0314000288 | 201.361 | 2018/19 | RW: | 0 | E&P: | 405 | PA&ED: | 7/1/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 650 | RW Cert: | 8/1/2018 |
| | | | | | | | | | | RW: | 375 | RTL: | 8/25/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 4/1/2019 |
| | | | | | | | | Subtotal: | 0 | | | | 1,430 |
| | | | | | | | | Total (Capital + Support): | \$1,430 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 34.0 Curb Ramps | | | | | |
| BRIDGE PRESERVATION | | | | | | | | | | | | | |
| 99 | 13.3/45.9 | 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 | E&P: | 610 | PA&ED: | 2/1/2018 |
| | | | | | | | | Const: | 4,500 | PS&E: | 1,170 | RW Cert: | 8/15/2019 |
| | | | | | | | | | | RW: | 160 | RTL: | 8/15/2019 |
| | | | | | | | | | | Con: | 1,300 | Begin Con: | 4/1/2020 |
| | | | | | | | | Subtotal: | 4,710 | | | | 3,240 |
| | | | | | | | | Total (Capital + Support): | \$7,950 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 999.0 Linear Feet | | | | | |

2016 SHOPP Project List Butte (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|-----------------------------------|-----------------|--------------|--------|---------|-----------|------------|------------|-----------|
| 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 | E&P: | 700 | PA&ED: | 2/1/2018 |
| | | | | | | | | Const: | 6,200 | PS&E: | 1,390 | RW Cert: | 8/1/2019 |
| | | | | | | | | | | RW: | 270 | RTL: | 8/15/2019 |
| | | | | | | | | | | Con: | 2,200 | Begin Con: | 3/15/2020 |
| | | | | | | | | | | Subtotal: | 6,790 | | 4,560 |
| | | Performance Measure | | | Total (Capital + Support): | \$11,350 | | | | | | | |
| | | 1.0 Bridge(s) | | | | | | | | | | | |

ROADWAY PRESERVATION

| | | | | | | | | | | | | | |
|----|-----------|--|------|-------|-----------------------------------|----------------|---------|--------|-------|-----------|-------|------------|------------|
| 70 | 22.1/28.2 | Near Oroville, from Route 191 to West Bridge Feather River. Rehabilitate pavement. | 2287 | 4F050 | 0314000018 | 201.121 | 2016/17 | RW: | 0 | E&P: | 235 | PA&ED: | 6/1/2016 |
| | | | | | | | | Const: | 4,274 | PS&E: | 469 | RW Cert: | 11/15/2016 |
| | | | | | | | | | | RW: | 19 | RTL: | 12/1/2016 |
| | | | | | | | | | | Con: | 709 | Begin Con: | 6/1/2017 |
| | | | | | | | | | | Subtotal: | 4,274 | | 1,432 |
| | | Performance Measure | | | Total (Capital + Support): | \$5,706 | | | | | | | |
| | | 12.4 Lane Miles | | | | | | | | | | | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 6,110 | E&P: | 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

**2016 SHOPP Project List
Colusa
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|------------------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|---------|------------|------------|-----------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$926 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | | | | |
| <u>ROADWAY PRESERVATION</u> | | | | | | | | | | | | | |
| 20 | 31.8/32.8 | In Colusa, between Market Street and Butte Vista Way. Rehabilitate roadway. | 2950 | 2F980 | 0312000026 | 201.120 | 2016/17 | RW: | 200 | E&P: | 1,100 | PA&ED: | 6/1/2016 |
| | | | | | | | | Const: | 9,700 | PS&E: | 500 | RW Cert: | 4/15/2017 |
| | | | | | | | | | | RW: | 500 | RTL: | 5/1/2017 |
| | | | | | | | | | | Con: | 1,500 | Begin Con: | 12/1/2017 |
| | | | | | | | | Subtotal: | 9,900 | | 3,600 | | |
| | | | | | | | | Total (Capital + Support): | \$13,500 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 4.0 Lane Miles | | | | | |

**2016 SHOPP Project List
Colusa
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|----------------------|------|----|------|--------------|--------------|-----------------|------------|------------|
| | | | | | | | | RW: 216 | E&P: 1,520 | |
| | | | | | | | | Const: 9,700 | PS&E: 960 | |
| | | | | | | | | | RW: 530 | |
| | | | | | | | | | Con: 1,500 | |
| | | | | | | | | <hr/> | | |
| | | | | | | | | Subtotal: 9,916 | 4,510 | |

Colusa County Total (Capital + Support): \$14,426

**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 | E&P: | 334 | PA&ED: | 3/3/2017 |
| | | | | | | | | Const: | 2,527 | PS&E: | 511 | RW Cert: | 5/18/2018 |
| | | | | | | | | | | RW: | 38 | RTL: | 6/1/2018 |
| | | | | | | | | | | Con: | 445 | Begin Con: | 1/4/2019 |
| | | | | | | | | Subtotal: | 2,532 | | | | 1,328 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 2.0 Location(s) | | Total (Capital + Support): | | | \$3,860 |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 563 | PA&ED: | 4/1/2017 |
| | | | | | | | | Const: | 4,559 | PS&E: | 1,027 | RW Cert: | 6/15/2018 |
| | | | | | | | | | | RW: | 150 | RTL: | 6/29/2018 |
| | | | | | | | | | | Con: | 1,125 | Begin Con: | 12/31/2019 |
| | | | | | | | | Subtotal: | 4,659 | | | | 2,865 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | Total (Capital + Support): | | | \$7,524 |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|--|-------|-------|----------------------------|--------------|--------------|---|--|---|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 | E&P: 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 | | | Total (Capital + Support): \$6,682 | | |
| | | | | | 52.0 Collisions Reduced | | | | | |
| 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 Const: 4,925 | E&P: 330 PS&E: 860 RW: 90 Con: 700 | PA&ED: 5/2/2016 RW Cert: 5/4/2017 RTL: 6/1/2017 Begin Con: 1/2/2018 |
| | | | | | | | | Subtotal: 4,930 | 1,980 | |
| | | | | | Performance Measure | | | Total (Capital + Support): \$6,910 | | |
| | | | | | 257.0 Location(s) | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|-------|-------|------------|-----------------------------------|--------------|-----------------|---------|-----------|---------|------------|------------|
| 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 | E&P: | 736 | PA&ED: | 4/3/2017 |
| | | | | | | | | Const: | 2,955 | PS&E: | 420 | RW Cert: | 5/1/2019 |
| | | | | | | | | | | RW: | 64 | RTL: | 5/15/2018 |
| | | | | | | | | | | Con: | 480 | Begin Con: | 11/15/2019 |
| | | | | | | | | | | Subtotal: | 3,268 | | 1,700 |
| | | Performance Measure | | | | Total (Capital + Support): | | \$4,968 | | | | | |
| | | 65.0 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 | E&P: | 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 | | | | | |
| | | 27.0 Location(s) | | | | | | | | | | | |
| 680 | 13.9/22.7 | In and near Walnut Creek, Pleasant Hill, and Concord, from Olympic Boulevard to Arthur Road. Install safety lighting. | 1496B | 0K840 | 0416000148 | 201.010 | 2017/18 | RW: | 100 | E&P: | 947 | PA&ED: | 2/21/2017 |
| | | | | | | | | Const: | 18,943 | PS&E: | 1,894 | RW Cert: | 6/21/2018 |
| | | | | | | | | | | RW: | 190 | RTL: | 6/22/2018 |
| | | | | | | | | | | Con: | 1,894 | Begin Con: | 10/25/2019 |
| | | | | | | | | | | Subtotal: | 19,043 | | 4,925 |
| | | Performance Measure | | | | Total (Capital + Support): | | \$23,968 | | | | | |
| | | 258.0 Collisions Reduced | | | | | | | | | | | |

**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 | E&P: | 360 | PA&ED: | 1/29/2016 |
| | | | | | | | | Const: | 1,520 | PS&E: | 700 | RW Cert: | 10/5/2016 |
| | | | | | | | | | | RW: | 100 | RTL: | 6/30/2017 |
| | | | | | | | | | | Con: | 355 | Begin Con: | 6/1/2017 |
| | | | | | | | | Subtotal: | 1,600 | | 1,515 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | Total (Capital + Support): | \$3,115 | | | |
| <hr/> | | | | | | | | | | | | | |
| 580 | 1.2 | In Richmond, at Stege Drain Bridge No. 28-0091. Bridge rehabilitation. | 1482Q | 2J720 | 0415000016 | 201.110 | 2019/20 | RW: | 5 | E&P: | 700 | PA&ED: | 12/1/2016 |
| | | | | | | | | Const: | 5,828 | PS&E: | 876 | RW Cert: | 8/1/2018 |
| | | | | | | | | | | RW: | 117 | RTL: | 9/1/2018 |
| | | | | | | | | | | Con: | 876 | Begin Con: | 12/15/2018 |
| | | | | | | | | Subtotal: | 5,833 | | 2,569 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | Total (Capital + Support): | \$8,402 | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|--|---|
| 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 | E&P: 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 |
| | | | | | | | | Total (Capital + Support): | \$7,275 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 2.0 | Bridge(s) | |

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 Const: 11,774 | E&P: 990 PS&E: 1,210 RW: 110 Con: 1,430 | PA&ED: 7/1/2017 RW Cert: 8/1/2019 RTL: 11/1/2019 Begin Con: 3/1/2020 |
| | | | | | | | | Subtotal: | 11,789 | 3,740 |
| | | | | | | | | Total (Capital + Support): | \$15,529 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 20.4 | Lane Miles | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 1,125 | E&P: | 6,995 |
| Const: | 63,874 | PS&E: | 9,900 |
| | | RW: | 1,169 |
| | | Con: | 9,594 |
| Subtotal: | 64,999 | | 27,658 |

Contra Costa County Total (Capital + Support): \$92,657

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|--|------|----------------------------|------------|--------------|--------------|---|---|--|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 | E&P: 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 | | | | Total (Capital + Support): \$4,278 | | |
| | | | | 13.0 Collisions Reduced | | | | | | |
| 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 | E&P: 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 | | | | Total (Capital + Support): \$4,105 | | |
| | | | | 100.0 Collisions Reduced | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|-----------|
| 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 | OC470 | 0112000287 | 201.235 | 2017/18 | RW: | 7 | E&P: | 158 | PA&ED: | 7/15/2016 |
| | | | | | | | | Const: | 1,751 | PS&E: | 638 | RW Cert: | 1/1/2018 |
| | | | | | | | | | | RW: | 9 | RTL: | 1/15/2018 |
| | | | | | | | | | | Con: | 479 | Begin Con: | 6/1/2018 |
| | | | | | | | | Subtotal: | 1,758 | | 1,284 | | |
| | | | | | | | | Total (Capital + Support): | \$3,042 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | | | | |

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 Americans with Disabilities Act (ADA) facilities and construct traffic calming measures to improve operations and safety for non-motorized users. | 1095 | OC660 | 0113000023 | 201.361 | 2018/19 | RW: | 432 | E&P: | 669 | PA&ED: | 11/1/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 467 | RW Cert: | 2/1/2019 |
| | | | | | | | | | | RW: | 1,234 | RTL: | 3/1/2019 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 8/1/2019 |
| | | | | | | | | Subtotal: | 432 | | 2,370 | | |
| | | | | | | | | Total (Capital + Support): | \$2,802 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 87.0 Curb Ramps | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|------------|---|-------|-------|------------|--------------|--------------|--|--|--|
| 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 | E&P: 7,000 PS&E: 3,700 RW: 520 Con: 8,400 | PA&ED: 8/1/2016 RW Cert: 10/1/2017 RTL: 11/1/2017 Begin Con: 6/1/2018 |
| | | | | | | | | Subtotal: 51,948 | 19,620 | |
| | | | | | | | | 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 | E&P: 1,068 PS&E: 1,141 RW: 154 Con: 1,643 | PA&ED: 1/13/2018 RW Cert: 8/1/2019 RTL: 9/1/2019 Begin Con: 4/1/2020 |
| | | | | | | | | Subtotal: 6,003 | 4,006 | |
| | | | | | | | | Total (Capital + Support): \$10,009 | | |

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. (G13 Contingency Project) | 1072 | 0B090 | 0100020444 | 201.113 | 2017/18 | RW: | 5,589 | E&P: | 2,159 | PA&ED: | 3/1/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 3,720 | RW Cert: | 4/1/2018 |
| | | | | | | | | | | RW: | 373 | RTL: | 4/1/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 4/1/2019 |
| | | | | | | | | Subtotal: | 5,589 | | 6,252 | | |
| | | | | | | | | Total (Capital + Support): | \$11,841 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 2.0 Bridge(s) | | | | | |

ROADWAY PRESERVATION

| | | | | | | | | | | | | | |
|-----|----------|--|------|-------|------------|---------|---------|-----------------------------------|----------------|-------|-------|------------|----------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$8,702 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 18.0 Drainage System(s) | | | | | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 7,997 | E&P: | 12,943 |
| Const: | 68,829 | PS&E: | 11,614 |
| | | RW: | 2,415 |
| | | Con: | 12,549 |
| Subtotal: | 76,826 | | 39,521 |

Del Norte County Total (Capital + Support): \$116,347

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|----------------|---------|------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 150 | PA&ED: | 2/1/2017 |
| | | | | | | | | Const: | 2,300 | PS&E: | 360 | RW Cert: | 10/1/2018 |
| | | | | | | | | | | RW: | 55 | RTL: | 10/1/2018 |
| | | | | | | | | | | Con: | 475 | Begin Con: | 4/1/2019 |
| | | | | | | | | Subtotal: | 2,325 | | 1,040 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 5.0 Collisions Reduced | Total (Capital + Support): | \$3,365 | | | |
| <hr/> | | | | | | | | | | | | | |
| 50 | 70.6 | Near Myers, at Route 89 South. Construct roundabout. | 3303 | 4F840 | 0314000305 | 201.010 | 2017/18 | RW: | 35 | E&P: | 290 | PA&ED: | 11/1/2016 |
| | | | | | | | | Const: | 3,445 | PS&E: | 550 | RW Cert: | 1/5/2018 |
| | | | | | | | | | | RW: | 150 | RTL: | 1/15/2018 |
| | | | | | | | | | | Con: | 770 | Begin Con: | 9/5/2018 |
| | | | | | | | | Subtotal: | 3,480 | | 1,760 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 25.0 Collisions Reduced | Total (Capital + Support): | \$5,240 | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-------|---------|------------|------------|
| 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 | E&P: | 2,500 | PA&ED: | 4/1/2017 |
| | | | | | | | | Const: | 32,000 | PS&E: | 3,500 | RW Cert: | 10/1/2018 |
| | | | | | | | | | | RW: | 1,200 | RTL: | 10/1/2018 |
| | | | | | | | | | | Con: | 5,800 | Begin Con: | 6/1/2019 |
| | | | | | | | | Subtotal: | 34,000 | | 13,000 | | |
| | | | | | | | | Total (Capital + Support): | \$47,000 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 108.0 Collisions Reduced | | | | | |

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 | E&P: | 548 | PA&ED: | 6/1/2016 |
| | | | | | | | | Const: | 4,000 | PS&E: | 535 | RW Cert: | 9/20/2017 |
| | | | | | | | | | | RW: | 236 | RTL: | 10/1/2017 |
| | | | | | | | | | | Con: | 728 | Begin Con: | 4/1/2018 |
| | | | | | | | | Subtotal: | 4,350 | | 2,047 | | |
| | | | | | | | | Total (Capital + Support): | \$6,397 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 4.0 Acres | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---|---|
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 6,027 | 3,459 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$9,486 |
| 1.0 Bridge(s) | | | | | | | | | | |
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 7,000 | 2,912 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$9,912 |
| 2.0 Bridge(s) | | | | | | | | | | |

**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 Const: 9,150 | E&P: 500 PS&E: 1,000 RW: 580 Con: 1,620 | PA&ED: 8/1/2017 RW Cert: 2/1/2020 RTL: 2/1/2020 Begin Con: 9/1/2020 | |
| | | | | | | | | Subtotal: | 9,300 | 3,700 | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$13,000 | |
| 51.0 Field Elements | | | | | | | | | | | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 2,587 | E&P: | 4,952 |
| Const: | 63,895 | PS&E: | 8,012 |
| | | RW: | 2,249 |
| | | Con: | 12,705 |
| Subtotal: | 66,482 | | 27,918 |

El Dorado County Total (Capital + Support): \$94,400

**2016 SHOPP Project List
Fresno
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 5 | 1.3/1.4 | Near Coalinga, at the Coalinga-Avenal Safety Roadside Rest Area. Repair aging water and wastewater systems. | 6736 | OT230 | 0615000040 | 201.235 | 2018/19 | RW: 102 Const: 2,703 | E&P: 122 PS&E: 783 RW: 4 Con: 841 | PA&ED: 7/18/2017 RW Cert: 7/2/2018 RTL: 7/9/2018 Begin Con: 12/5/2018 |
| | | | | | | | | Subtotal: | 2,805 | 1,750 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$4,555 |
| 2.0 Location(s) | | | | | | | | | | |
| <hr/> | | | | | | | | | | |
| 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 | OT360 | 0615000066 | 201.235 | 2018/19 | RW: 10 Const: 3,189 | E&P: 192 PS&E: 720 RW: 2 Con: 540 | PA&ED: 1/3/2017 RW Cert: 12/4/2017 RTL: 7/9/2018 Begin Con: 2/1/2019 |
| | | | | | | | | Subtotal: | 3,199 | 1,454 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$4,653 |
| 45.0 Location(s) | | | | | | | | | | |

**2016 SHOPP Project List
Fresno
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 107 | PA&ED: | 7/22/2015 |
| | | | | | | | | Const: | 2,700 | PS&E: | 411 | RW Cert: | 12/1/2016 |
| | | | | | | | | | | RW: | 1 | RTL: | 12/15/2016 |
| | | | | | | | | | | Con: | 413 | Begin Con: | 5/15/2017 |
| | | | | | | | | Subtotal: | 2,701 | | 932 | | |
| | | | | | | | | Total (Capital + Support): | \$3,633 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 44.0 Location(s) | | | | | |

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 Americans with Disabilities Act (ADA) standards. | 6747 | 0T250 | 0615000043 | 201.361 | 2018/19 | RW: | 62 | E&P: | 221 | PA&ED: | 12/1/2016 |
| | | | | | | | | Const: | 1,502 | PS&E: | 671 | RW Cert: | 7/2/2018 |
| | | | | | | | | | | RW: | 199 | RTL: | 7/17/2018 |
| | | | | | | | | | | Con: | 354 | Begin Con: | 12/18/2018 |
| | | | | | | | | Subtotal: | 1,564 | | 1,445 | | |
| | | | | | | | | Total (Capital + Support): | \$3,009 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 14.0 Curb Ramps | | | | | |

**2016 SHOPP Project List
Fresno
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| BRIDGE PRESERVATION | | | | | | | | | | | | | |
| 5 | 44.4/45.4 | Near Mendota, at Tumey Gulch Bridge No. 42-0246L/R. Replace bridge. (G13 Contingency Project) | 6725 | OS830 | 0615000046 | 201.110 | 2019/20 | RW: | 79 | E&P: | 850 | PA&ED: | 7/31/2018 |
| | | | | | | | | Const: | 0 | PS&E: | 1,900 | RW Cert: | 1/3/2020 |
| | | | | | | | | | | RW: | 4 | RTL: | 2/3/2020 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 7/3/2020 |
| | | | | | | | | Subtotal: | 79 | | 2,754 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 2.0 Bridge(s) | | Total (Capital + Support): | \$2,833 | | |
| <hr/> | | | | | | | | | | | | | |
| 180 | 26.9 | Near Mendota, at Fresno Slough Bridge No. 42-0041. Repair bridge. | 6680 | OQ510 | 0613000189 | 201.119 | 2016/17 | RW: | 14 | E&P: | 482 | PA&ED: | 5/2/2016 |
| | | | | | | | | Const: | 1,785 | PS&E: | 861 | RW Cert: | 8/1/2016 |
| | | | | | | | | | | RW: | 11 | RTL: | 11/1/2016 |
| | | | | | | | | | | Con: | 909 | Begin Con: | 4/3/2017 |
| | | | | | | | | Subtotal: | 1,799 | | 2,263 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$4,062 | | |

**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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,600 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$5,384 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 535.0 Linear Feet | | | | | |

**2016 SHOPP Project List
Fresno
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---|--|
| ROADWAY PRESERVATION | | | | | | | | | | |
| 5 | 21.0/31.0 | Near Mendota, from Tuolumne Avenue Overcrossing to north of Route 33. Pavement rehabilitation. | 6753 | OU080 | 0615000209 | 201.121 | 2017/18 | RW: 20 Const: 18,890 | E&P: 147 PS&E: 600 RW: 11 Con: 982 | PA&ED: 1/3/2017 RW Cert: 8/7/2017 RTL: 1/2/2018 Begin Con: 6/14/2018 |
| | | | | | | | | Subtotal: | 18,910 | 1,740 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$20,650 |
| 40.0 Lane Miles | | | | | | | | | | |
| 99 | R0.9/R5.0 | In and near Kingburg, from Route 201 to south of Second Street. Roadway rehabilitation. | 6727 | OS460 | 0615000038 | 201.122 | 2018/19 | RW: 25 Const: 24,086 | E&P: 577 PS&E: 1,496 RW: 43 Con: 2,705 | PA&ED: 7/6/2017 RW Cert: 10/4/2018 RTL: 11/6/2018 Begin Con: 6/4/2019 |
| | | | | | | | | Subtotal: | 24,111 | 4,821 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$28,932 |
| 8.1 Lane Miles | | | | | | | | | | |

2016 SHOPP Project List Fresno (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|-----------------------------------|-----------------|--------------|--------|---------|-----------|------------|------------|------------|
| 168 | 45.8/65.9 | In and near Shaver Lake, from east of Warbler Lane to Kaiser Pass Road. Roadway rehabilitation. | 6754 | 0U090 | 0615000210 | 201.121 | 2017/18 | RW: | 35 | E&P: | 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 | | | | | | | |
| | | 40.2 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 | E&P: | 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 | | | | | | | |
| | | 22.0 Drainage System(s) | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 18.0 Drainage System(s) | | | | | | | | | | | |

2016 SHOPP Project List Fresno (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|---|
| 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 Const: 1 | E&P: 2,200 PS&E: 2,500 RW: 300 Con: 4,000 | PA&ED: 8/27/2015 RW Cert: 3/31/2017 RTL: 3/31/2017 Begin Con: 9/1/2017 |
| | | | | | | | | Subtotal: | 1 | 9,000 |
| | | | | | | | | Total (Capital + Support): | | \$9,001 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 1.0 | 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 Const: 0 | E&P: 755 PS&E: 1,062 RW: 522 Con: 0 | PA&ED: 4/1/2016 RW Cert: 2/1/2017 RTL: 3/1/2017 Begin Con: 7/3/2017 |
| | | | | | | | | Subtotal: | 104 | 2,339 |
| | | | | | | | | Total (Capital + Support): | | \$2,443 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 5.4 | Miles of Cable | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 1,001 | E&P: | 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

**2016 SHOPP Project List
Glenn
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|---|---|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 Const: 4,100 | E&P: 540 PS&E: 550 RW: 60 Con: 1,180 | PA&ED: 10/10/2018 RW Cert: 7/7/2019 RTL: 7/7/2019 Begin Con: 2/15/2020 |
| | | | | | | | | Subtotal: | 4,120 | 2,330 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$6,450 |
| 1.0 Location(s) | | | | | | | | | | |
| <u>MANDATES</u> | | | | | | | | | | |
| 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 Const: 700 | E&P: 240 PS&E: 405 RW: 465 Con: 260 | PA&ED: 8/1/2017 RW Cert: 9/1/2019 RTL: 10/1/2019 Begin Con: 4/1/2020 |
| | | | | | | | | Subtotal: | 788 | 1,370 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$2,158 |
| 113.0 Curb Ramps | | | | | | | | | | |

**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 No. 11 -0017. Seismic retrofit. (G13 Contingency Project) | 2633 | 3F060 | 0312000052 | 201.113 | 2018/19 | RW: | 1,000 | E&P: | 2,000 | PA&ED: | 8/15/2016 |
| | | | | | | | | Const: | 0 | PS&E: | 3,500 | RW Cert: | 7/1/2018 |
| | | | | | | | | | | RW: | 600 | RTL: | 8/1/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 4/1/2019 |
| | | | | | | | | Subtotal: | 1,000 | | 6,100 | | |
| | | | | | | | | Total (Capital + Support): | \$7,100 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | | | | |
| 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 | E&P: | 1,350 | PA&ED: | 6/24/2015 |
| | | | | | | | | Const: | 32,120 | PS&E: | 1,070 | RW Cert: | 3/15/2016 |
| | | | | | | | | | | RW: | 350 | RTL: | 4/15/2016 |
| | | | | | | | | | | Con: | 3,800 | Begin Con: | 12/1/2016 |
| | | | | | | | | Subtotal: | 32,141 | | 6,570 | | |
| | | | | | | | | Total (Capital + Support): | \$38,711 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 80.0 Lane Miles | | | | | |

**2016 SHOPP Project List
Glenn
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---|--|
| 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 | E&P: 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 |
| | | | | | | | | Total (Capital + Support): | \$1,703 | |

Performance Measure
315.0 Lighting Fixtures

| | | | |
|-----------|--------|-------|--------|
| RW: | 1,129 | E&P: | 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

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 | E&P: 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 |
| | | | | | | | | Subtotal: | 5,760 | 2,500 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 2.0 Location(s) | Total (Capital + Support): | \$8,260 |
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 923 | 890 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 4.0 Location(s) | Total (Capital + Support): | \$1,813 |

**2016 SHOPP Project List
Humboldt
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|-----------------|---------|------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 910 | PA&ED: | 6/1/2018 |
| | | | | | | | | Const: | 7,187 | PS&E: | 886 | RW Cert: | 2/1/2020 |
| | | | | | | | | | | RW: | 592 | RTL: | 2/15/2020 |
| | | | | | | | | | | Con: | 955 | Begin Con: | 7/1/2020 |
| | | | | | | | | Subtotal: | 9,914 | | 3,343 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 23.0 Collisions Reduced | Total (Capital + Support): | \$13,257 | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 54.0 Collisions Reduced | Total (Capital + Support): | \$8,027 | | | |

2016 SHOPP Project List Humboldt (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|-------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|-------|---------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$4,722 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 6.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$2,892 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 39.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$4,891 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 2.0 Location(s) | | | | | |

2016 SHOPP Project List Humboldt (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|------|-------|-----------------------------------|----------------|--------------|--------|---------|-----------|---------|------------|------------|
| 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 | E&P: | 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 | | | | | | | |
| | | 72.0 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 | 2018/19 | RW: | 48 | E&P: | 510 | PA&ED: | 5/1/2016 |
| | | | | | | | | Const: | 267 | PS&E: | 300 | RW Cert: | 7/1/2017 |
| | | | | | | | | | | RW: | 48 | RTL: | 8/1/2017 |
| | | | | | | | | | | Con: | 267 | Begin Con: | 11/15/2017 |
| | | | | | | | | | | Subtotal: | 315 | | 1,125 |
| | | Performance Measure | | | Total (Capital + Support): | \$1,440 | | | | | | | |
| | | 7.0 Collisions Reduced | | | | | | | | | | | |
| 101 | 88.2/88.3 | In Arcata, at Route 299. Realign ramp curve. | 2397 | 0E650 | 0114000117 | 201.015 | 2019/20 | RW: | 600 | E&P: | 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 | | | | | | | |
| | | 24.0 Collisions Reduced | | | | | | | | | | | |

2016 SHOPP Project List Humboldt (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------|-------------|---|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| 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 Americans with Disabilities Act (ADA) standards. | 2346 | 0B620 | 0112000156 | 201.378 | 2019/20 | RW: | 695 | E&P: | 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 | | | | | |
| | | | | | | | | 50.0 Curb Ramps | | Total (Capital + Support): | \$8,971 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 14.3 Acres | | Total (Capital + Support): | \$5,069 | | |

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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$7,363 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 905.5 Linear Feet | | | | | |
| 96 | | Near Hoopa, on Route 96, at Trinity River Bridge No. 04-0137; also near Arcata, on Route 101, at Arcata Overhead No. 04-0079R. Clean, spot blast and repaint bridges. | 2383 | 0E100 | 0113000124 | 201.119 | 2016/17 | RW: | 21 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,231 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 2.0 Bridge(s) | | | | | |

**2016 SHOPP Project List
Humboldt
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|------|-------|-----------------------------------|-----------------|--------------|--------|---------|-----------|---------|------------|------------|
| 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 | E&P: | 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 | | | | | | | |
| | | 3.0 Bridge(s) | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 2.0 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 | E&P: | 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 | | | | | | | |
| | | 1.0 Bridge(s) | | | | | | | | | | | |

**2016 SHOPP Project List
Humboldt
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$8,014 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 300.0 Linear Feet | | | | | |
| 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. (G13 Contingency Project) | 2400 | 0E770 | 0115000009 | 201.322 | 2018/19 | RW: | 1,359 | E&P: | 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 |
| | | | | | | | | Subtotal: | 1,359 | | 2,430 | | |
| | | | | | | | | Total (Capital + Support): | \$3,789 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 3.0 Bridge(s) | | | | | |
| 283 | 0.1 | 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$6,135 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | | | | |

2016 SHOPP Project List Humboldt (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|---|---|
| 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 Const: 31,243 | E&P: 646 PS&E: 1,258 RW: 52 Con: 6,696 | PA&ED: 3/1/2018 RW Cert: 12/11/2019 RTL: 1/2/2020 Begin Con: 7/6/2020 |
| | | | | | | | | Subtotal: | 31,609 | 8,652 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 21.1 Lane Miles | Total (Capital + Support): | \$40,261 |
| <hr/> | | | | | | | | | | |
| 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 Const: 3,135 | E&P: 107 PS&E: 167 RW: 104 Con: 725 | PA&ED: 10/1/2017 RW Cert: 10/1/2018 RTL: 11/1/2018 Begin Con: 4/1/2019 |
| | | | | | | | | Subtotal: | 3,156 | 1,103 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 7.0 Lane Miles | Total (Capital + Support): | \$4,259 |

2016 SHOPP Project List Humboldt (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | | |
|-------|------------|---|------|-------|------------|--------------|--------------|----------------------------|--------------------|---------|-----------------------------------|----------------|----------|--|
| 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 | E&P: | 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 | | |
| | | | | | | | | 8.0 | 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 | E&P: | 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 | | |
| | | | | | | | | 1.0 | 1,000 Vehicle | | | | | |

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 Const: 6,807 | E&P: 414 PS&E: 667 RW: 114 Con: 830 | PA&ED: 2/1/2017 RW Cert: 6/1/2018 RTL: 7/15/2018 Begin Con: 10/15/2018 |
| | | | | | | | | Subtotal: | 7,047 | 2,025 |
| | | | | | | | | Total (Capital + Support): | \$9,072 | |

Performance Measure
23.0 1,000 Vehicle

| | | | |
|-----------|---------|-------|--------|
| RW: | 14,353 | E&P: | 15,519 |
| Const: | 117,158 | PS&E: | 22,088 |
| | | RW: | 4,203 |
| | | Con: | 21,965 |
| Subtotal: | 131,511 | | 63,775 |

Humboldt County Total (Capital + Support): \$195,286

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 Const: 687 | E&P: 177 PS&E: 409 RW: 0 Con: 201 | PA&ED: 8/23/2018 RW Cert: 7/18/2019 RTL: 8/26/2019 Begin Con: 4/27/2020 |
| | | | | | | | | Subtotal: | 687 | 787 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 6.0 Drainage System(s) | Total (Capital + Support): | \$1,474 |
| <hr/> | | | | | | | | | | |
| 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 Const: 417 | E&P: 165 PS&E: 371 RW: 0 Con: 190 | PA&ED: 7/11/2018 RW Cert: 6/10/2019 RTL: 7/12/2019 Begin Con: 3/12/2020 |
| | | | | | | | | Subtotal: | 417 | 726 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 4.0 Drainage System(s) | Total (Capital + Support): | \$1,143 |
| <hr/> | | | | | | | | | | |
| | | | | | | | | RW: | 0 | E&P: 342 |
| | | | | | | | | Const: | 1,104 | PS&E: 780 RW: 0 Con: 391 |
| | | | | | | | | Subtotal: | 1,104 | 1,513 |
| | | | | | | | | Imperial County Total (Capital + Support): | | \$2,617 |

2016 SHOPP Project List Inyo (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|-----------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 58.8 Collisions Reduced | | | | | |
| | | | | | | | | Total (Capital + Support): | \$6,185 | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 40.0 Collisions Reduced | | | | | |
| | | | | | | | | Total (Capital + Support): | \$6,680 | | | | |

**2016 SHOPP Project List
Inyo
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--------------|---------|------------|------------|-----------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$917 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 135.0 Collisions Reduced | | | | | |

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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$8,436 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 211.0 Structure(s) | | | | | |

**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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$8,900 | | | | | |
| | | | | | | | | Performance Measure | | | | | | |
| | | | | | | | | 14.0 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$4,801 | | | | | |
| | | | | | | | | Performance Measure | | | | | | |
| | | | | | | | | 28.4 Lane Miles | | | | | | |
| | | | | | | | | RW: | 1,917 | E&P: | 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 | | | | | |

**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 Const: 21,263 | E&P: 647 PS&E: 2,151 RW: 1,019 Con: 2,498 | PA&ED: 4/27/2015 RW Cert: 3/15/2017 RTL: 3/23/2017 Begin Con: 9/1/2017 |
| | | | | | | | | Subtotal: 21,375 | 6,315 | |
| | | | | | | | | Total (Capital + Support): \$27,690 | | |
| | | | | | | | | | | Performance Measure 700.0 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 Const: 2,000 | E&P: 530 PS&E: 980 RW: 10 Con: 1,050 | PA&ED: 3/1/2016 RW Cert: 2/1/2017 RTL: 5/15/2017 Begin Con: 10/1/2017 |
| | | | | | | | | Subtotal: 2,010 | 2,570 | |
| | | | | | | | | Total (Capital + Support): \$4,580 | | |
| | | | | | | | | | | Performance Measure 2.0 Location(s) |

**2016 SHOPP Project List
Kern
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 43 | 0.1/0.4 | Near Bakersfield, at the intersection of Routes 43 and 119. Intersection improvement. | 6698 | 0P900 | 0612000293 | 201.010 | 2017/18 | RW: | 1,160 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$9,761 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 38.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$3,976 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 199.0 Collisions Reduced | | | | | |
| 155 | 1.5 | Near Delano, at Browning Road. Construct a roundabout. | 6636 | 0P290 | 0612000106 | 201.010 | 2016/17 | RW: | 1,010 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$5,517 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 28.0 Collisions Reduced | | | | | |

**2016 SHOPP Project List
Kern
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--------------------|---------|------------|------------|-----------|
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$3,484 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 53.0 | Location(s) | | | | |
| <hr/> | | | | | | | | | | | | | |
| 223 | 21.0/21.3 | In and Near Arvin, at Derby Street. Install traffic signals. | 6709 | 0S510 | 0614000162 | 201.010 | 2017/18 | RW: | 74 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$2,603 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 6.0 | Collisions Reduced | | | | |

**2016 SHOPP Project List
Kern
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|--------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---|---|
| BRIDGE PRESERVATION | | | | | | | | | | |
| 58 | R94.2 | In Tehachapi, at the Summit Overhead Bridge No. 50-343L/R. Upgrade bridge rail | 6673 | OQ180 | 0613000145 | 201.112 | 2017/18 | RW: 2 Const: 1,425 | E&P: 0 PS&E: 711 RW: 25 Con: 680 | PA&ED: 6/27/2013 RW Cert: 3/1/2018 RTL: 3/15/2018 Begin Con: 10/1/2018 |
| | | | | | | | | Subtotal: | 1,427 | 1,416 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$2,843 |
| ? Linear Feet | | | | | | | | | | |
| 58 | R99.0/R100.3 | Near Tehachapi, at Cache Creek Bridge No. 50-346L/R. Replace Bridge. | 6674 | OQ190 | 0613000152 | 201.110 | 2017/18 | RW: 60 Const: 11,000 | E&P: 414 PS&E: 2,327 RW: 60 Con: 2,768 | PA&ED: 7/28/2015 RW Cert: 1/2/2018 RTL: 1/15/2018 Begin Con: 9/1/2018 |
| | | | | | | | | Subtotal: | 11,060 | 5,569 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$16,629 |
| 2.0 Bridge(s) | | | | | | | | | | |

**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 | E&P: | 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): | | | | | | | |
| | | 2.0 Bridge(s) | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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): | | | | | | | |
| | | 1.0 Bridge(s) | | | | | | | | | | | |

**2016 SHOPP Project List
Kern
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|--|--|
| 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 Const: 5,100 | E&P: 375 PS&E: 670 RW: 100 Con: 690 | PA&ED: 7/1/2017 RW Cert: 8/1/2018 RTL: 8/1/2018 Begin Con: 1/15/2019 |
| | | | | | | | | Subtotal: | 5,150 | 1,835 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 5.0 Drainage System(s) | Total (Capital + Support): | \$6,985 |
| 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. (G13 Contingency Project) | 6755 | 0U100 | 0615000211 | 201.121 | 2018/19 | RW: 23 Const: 0 | E&P: 450 PS&E: 435 RW: 81 Con: 0 | PA&ED: 7/1/2018 RW Cert: 4/1/2019 RTL: 5/1/2019 Begin Con: 11/15/2019 |
| | | | | | | | | Subtotal: | 23 | 966 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 22.2 Lane Miles | Total (Capital + Support): | \$989 |

**2016 SHOPP Project List
Kern
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | | |
|-------|-------------|---|------|-------|------------|--------------|--------------|----------------------------|---------|---------|-----------------------------------|-----------------|------------|--|
| 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 | E&P: | 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 | E&P: | 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 | | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | 10.0 Lane Miles | | | | | | |

2016 SHOPP Project List Kern (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---|---|
| 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 Const: 0 | E&P: 3,000 PS&E: 4,000 RW: 20 Con: 0 | PA&ED: 8/1/2016 RW Cert: 2/1/2018 RTL: 3/1/2018 Begin Con: 10/1/2018 |
| | | | | | | | | Subtotal: | 70 | 7,020 |
| | | | | | | | | Total (Capital + Support): | | \$7,090 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 34.4 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 Const: 1,156 | E&P: 41 PS&E: 200 RW: 3 Con: 180 | PA&ED: 6/2/2017 RW Cert: 3/8/2018 RTL: 7/31/2018 Begin Con: 1/10/2019 |
| | | | | | | | | Subtotal: | 1,157 | 424 |
| | | | | | | | | Total (Capital + Support): | | \$1,581 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 12.4 Acres | | |

| | | | |
|-----------|---------|---------|--------|
| RW: | 2,996 | E&P: | 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

**2016 SHOPP Project List
Kings
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|--|---|-----------------------------------|----------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | |
| 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 | OT240 | 0615000041 | 201.010 | 2017/18 | RW: 100 Const: 1,370 | E&P: 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 | | | Total (Capital + Support): | \$3,450 |
| | | | | | | | | 20.0 Collisions Reduced | | | | |
| <hr/> | | | | | | | | | | | | |
| 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 | OT290 | 0615000053 | 201.235 | 2018/19 | RW: 0 Const: 3,200 | E&P: 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 | | | Total (Capital + Support): | \$5,040 |
| | | | | | | | | 40.0 Location(s) | | | | |

**2016 SHOPP Project List
Kings
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|-----------|
| 198 | R15.5 | Near Hanford, at the Hanford-Armona Road Undercrossing. Improve intersection. | 6651 | 0Q320 | 0613000034 | 201.010 | 2017/18 | RW: | 240 | E&P: | 925 | PA&ED: | 2/1/2016 |
| | | | | | | | | Const: | 2,263 | PS&E: | 1,475 | RW Cert: | 1/15/2018 |
| | | | | | | | | | | RW: | 725 | RTL: | 1/22/2018 |
| | | | | | | | | | | Con: | 806 | Begin Con: | 7/18/2018 |
| | | | | | | | | Subtotal: | 2,503 | | 3,931 | | |
| | | | | | | | | Total (Capital + Support): | \$6,434 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 46.0 Collisions Reduced | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$2,275 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 8.0 Collisions Reduced | | | | | |

2016 SHOPP Project List Kings (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | |
|-----------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---|--|-----------------------------------|-----------------|
| 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 Const: 25,000 | E&P: 400 PS&E: 1,300 RW: 20 Con: 1,740 | PA&ED: 10/1/2017 RW Cert: 1/15/2019 RTL: 2/15/2019 Begin Con: 9/23/2019 | | |
| | | | | | | | | Subtotal: | 25,004 | 3,460 | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$28,464 |
| | | | | | | | | 36.0 Lane Miles | | | | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 379 | E&P: | 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

2016 SHOPP Project List Lake (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|--|---|-----------------------------------|----------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | |
| 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 | E&P: 742 PS&E: 812 RW: 81 Con: 1,266 | PA&ED: 3/1/2018 RW Cert: 2/15/2019 RTL: 3/1/2019 Begin Con: 9/2/2019 | | |
| | | | | | | | | Subtotal: | 3,812 | 2,901 | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$6,713 |
| | | | | | | | | 12.0 Collisions Reduced | | | | |
| <hr/> | | | | | | | | | | | | |
| 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 | E&P: 706 PS&E: 859 RW: 217 Con: 1,143 | PA&ED: 9/1/2016 RW Cert: 1/15/2018 RTL: 2/1/2018 Begin Con: 6/1/2018 | | |
| | | | | | | | | Subtotal: | 6,156 | 2,925 | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$9,081 |
| | | | | | | | | 40.0 Collisions Reduced | | | | |

2016 SHOPP Project List Lake (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|------|-------|------------|-----------------------------------|--------------|-----------------|---------|-----------|---------|------------|------------|
| 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 | E&P: | 500 | PA&ED: | 10/1/2016 |
| | | | | | | | | Const: | 34,000 | PS&E: | 2,500 | RW Cert: | 2/15/2018 |
| | | | | | | | | | | RW: | 700 | RTL: | 3/1/2018 |
| | | | | | | | | | | Con: | 2,000 | Begin Con: | 8/15/2018 |
| | | | | | | | | | | Subtotal: | 37,000 | | 5,700 |
| | | Performance Measure | | | | Total (Capital + Support): | | \$42,700 | | | | | |
| | | 146.0 Collisions Reduced | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | 27.0 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 | E&P: | 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 | | | | | |
| | | 23.0 Collisions Reduced | | | | | | | | | | | |

**2016 SHOPP Project List
Lake
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-------|---------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$19,962 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 22.0 Collisions Reduced | | | | | |

MANDATES

| | | | | | | | | | | | | | |
|----|-------|---|------|-------|------------|---------|---------|-----------------------------------|----------------|-------|-----|------------|-----------|
| 29 | R41.4 | Near Lakeport, at Lakeport overcrossing. Upgrade pedestrian facilities. | 3097 | 0B690 | 0112000184 | 201.378 | 2016/17 | RW: | 7 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,247 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 10.0 Curb Ramps | | | | | |

2016 SHOPP Project List Lake (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------|------------|--|-------|-------|------------|--------------|--------------|----------------------------|--|--|
| 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 Const: 5,621 | E&P: 943 PS&E: 1,136 RW: 324 Con: 1,601 | PA&ED: 2/1/2018 RW Cert: 7/1/2019 RTL: 8/15/2019 Begin Con: 1/1/2020 |
| | | | | | | | | Subtotal: | 5,884 | 4,004 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 853.0 Linear Feet | Total (Capital + Support): | \$9,888 |
| 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 Const: 3,773 | E&P: 880 PS&E: 1,346 RW: 746 Con: 1,135 | PA&ED: 7/4/2016 RW Cert: 1/8/2018 RTL: 1/15/2018 Begin Con: 5/23/2018 |
| | | | | | | | | Subtotal: | 4,211 | 4,107 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 26.0 Drainage System(s) | Total (Capital + Support): | \$8,318 |

2016 SHOPP Project List Lake (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|----------------------|------|----|------|--------------|--------------|------------------|--------------|------------|
| | | | | | | | | RW: 6,371 | E&P: 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

**2016 SHOPP Project List
Lassen
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|----------------|---------|------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 44 | 31.9/32.6 | Near Susanville, from 0.3 mile west to 0.4 mile east of Big Springs Road. Curve improvement. | 3609 | 1H440 | 0216000005 | 201.010 | 2018/19 | RW: | 104 | E&P: | 484 | PA&ED: | 9/11/2017 |
| | | | | | | | | Const: | 2,896 | PS&E: | 645 | RW Cert: | 9/11/2018 |
| | | | | | | | | | | RW: | 187 | RTL: | 10/3/2018 |
| | | | | | | | | | | Con: | 859 | Begin Con: | 11/16/2020 |
| | | | | | | | | Subtotal: | 3,000 | | 2,175 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 16.0 Collisions Reduced | Total (Capital + Support): | \$5,175 | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 20.0 Collisions Reduced | Total (Capital + Support): | \$5,492 | | | |

**2016 SHOPP Project List
Lassen
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$4,645 | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 20.1 Lane Miles | | Total (Capital + Support): | \$11,105 | | |

2016 SHOPP Project List Lassen (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|---------|-----------------|------------|------------|-----------|
| 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | | \$21,210 | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 21.0 Lane Miles | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | | \$19,898 | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 16.8 Lane Miles | | | | | |

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 Const: 4,880 | E&P: 260 PS&E: 1,350 RW: 40 Con: 1,540 | PA&ED: 10/6/2017 RW Cert: 7/13/2018 RTL: 8/31/2018 Begin Con: 2/1/2019 |
| | | | | | | | | Subtotal: | 4,880 | 3,190 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 1.0 Location(s) | Total (Capital + Support): | \$8,070 |

| | | | |
|-----------|--------|-------|--------|
| RW: | 819 | E&P: | 4,884 |
| Const: | 53,241 | PS&E: | 6,795 |
| | | RW: | 1,047 |
| | | Con: | 8,809 |
| Subtotal: | 54,060 | | 21,535 |

Lassen County Total (Capital + Support): \$75,595

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|-----------------|------------|------------|-----------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 89 | PA&ED: | 1/26/2016 |
| | | | | | | | | Const: | 2,326 | PS&E: | 356 | RW Cert: | 3/3/2017 |
| | | | | | | | | | | RW: | 5 | RTL: | 4/3/2017 |
| | | | | | | | | | | Con: | 445 | Begin Con: | 5/1/2017 |
| | | | | | | | | Subtotal: | 2,337 | | 895 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 59.0 Collisions Reduced | Total (Capital + Support): | \$3,232 | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 744 | PA&ED: | 6/15/2015 |
| | | | | | | | | Const: | 6,100 | PS&E: | 1,089 | RW Cert: | 2/1/2017 |
| | | | | | | | | | | RW: | 485 | RTL: | 4/3/2017 |
| | | | | | | | | | | Con: | 1,095 | Begin Con: | 8/16/2017 |
| | | | | | | | | Subtotal: | 7,925 | | 3,413 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 11.0 Collisions Reduced | Total (Capital + Support): | \$11,338 | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|---------|----------------|------------|------------|
| 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 | E&P: | 400 | PA&ED: | 11/15/2016 |
| | | | | | | | | Const: | 4,405 | PS&E: | 700 | RW Cert: | 11/7/2017 |
| | | | | | | | | | | RW: | 80 | RTL: | 12/14/2017 |
| | | | | | | | | | | Con: | 800 | Begin Con: | 10/8/2018 |
| | | | | | | | | Subtotal: | 4,428 | 1,980 | | | |
| | | | | | | | | Performance Measure | Total (Capital + Support): | | \$6,408 | | |
| | | | | | | | | 7.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | 214.0 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 | E&P: | 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 | | |
| | | | | | | | | 72.0 Collisions Reduced | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|-----------------------------------|----------------|---------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | | |
| | | | | | | | Total (Capital + Support): | \$4,325 | | | | | |
| | | Performance Measure | | | | | | | | | | | |
| | | 4.0 Collisions Reduced | | | | | | | | | | | |
| 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 maintenance vehicle pullout areas. | 4586 | 29510 | 0713000016 | 201.235 | 2017/18 | RW: | 0 | E&P: | 113 | PA&ED: | 7/5/2016 |
| | | | | | | | | Const: | 2,053 | PS&E: | 333 | RW Cert: | 7/19/2017 |
| | | | | | | | | | | RW: | 0 | RTL: | 12/5/2017 |
| | | | | | | | | | | Con: | 466 | Begin Con: | 5/7/2018 |
| | | | | | | | Subtotal: | 2,053 | | 912 | | | |
| | | | | | | | Total (Capital + Support): | \$2,965 | | | | | |
| | | Performance Measure | | | | | | | | | | | |
| | | 33.0 Location(s) | | | | | | | | | | | |
| 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 | E&P: | 139 | PA&ED: | 1/12/2017 |
| | | | | | | | | Const: | 2,553 | PS&E: | 400 | RW Cert: | 7/2/2018 |
| | | | | | | | | | | RW: | 6 | RTL: | 8/1/2018 |
| | | | | | | | | | | Con: | 400 | Begin Con: | 10/1/2018 |
| | | | | | | | Subtotal: | 2,553 | | 945 | | | |
| | | | | | | | Total (Capital + Support): | \$3,498 | | | | | |
| | | Performance Measure | | | | | | | | | | | |
| | | 106.0 Location(s) | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|-------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| 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 | 2017/18 | RW: 0 Const: 1,749 | E&P: 110 PS&E: 438 RW: 5 Con: 531 | PA&ED: 12/23/2015 RW Cert: 1/9/2017 RTL: 1/31/2017 Begin Con: 2/26/2018 |
| | | | | | | | | Subtotal: | 1,749 | 1,084 |
| | | | | | | | | Total (Capital + Support): | \$2,833 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 38.0 | Location(s) | |
| 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 Const: 2,935 | E&P: 100 PS&E: 490 RW: 6 Con: 490 | PA&ED: 7/12/2017 RW Cert: 2/22/2019 RTL: 3/22/2019 Begin Con: 6/25/2019 |
| | | | | | | | | Subtotal: | 2,935 | 1,086 |
| | | | | | | | | Total (Capital + Support): | \$4,021 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 207.0 | 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 Const: 2,552 | E&P: 118 PS&E: 429 RW: 5 Con: 548 | PA&ED: 7/27/2017 RW Cert: 3/11/2019 RTL: 4/19/2019 Begin Con: 10/2/2019 |
| | | | | | | | | Subtotal: | 2,552 | 1,100 |
| | | | | | | | | Total (Capital + Support): | \$3,652 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 95.0 | Location(s) | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | | |
|-------|-------------|---|------|-------|------------|--------------|--------------|----------------------------|-------------|---------|-----------------------------------|----------------|------------|--|
| 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 | E&P: | 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 | | |
| | | | | | | | | 86.0 | Location(s) | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | 87.0 | 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 | E&P: | 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 | | |
| | | | | | | | | 45.0 | Location(s) | | | | | |

**2016 SHOPP Project List
Los Angeles
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| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|---|------|-------|------------|-----------------------------------|--------------|----------------|---------|-----------|------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | 50.0 Location(s) | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | 83.0 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 | E&P: | 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 | | | | | |
| | | 20.0 Location(s) | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|---|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-----------|------------|------------|------------|
| 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 | E&P: | 47 | PA&ED: | 5/26/2015 |
| | | | | | | | | Const: | 1,300 | PS&E: | 740 | RW Cert: | 1/9/2017 |
| | | | | | | | | | | RW: | 3 | RTL: | 3/2/2017 |
| | | | | | | | | | | Con: | 600 | Begin Con: | 9/11/2017 |
| | | | | | | | | | | Subtotal: | 1,300 | | 1,390 |
| | | Performance Measure | | | | | | | | | | | |
| | | 55.0 Location(s) | | | | | | Total (Capital + Support): | \$2,690 | | | | |
| 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 | E&P: | 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 | | | | | | | | | | | |
| | | 812.0 Collisions Reduced | | | | | | Total (Capital + Support): | \$26,060 | | | | |
| 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 | E&P: | 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 | | | | | | | | | | | |
| | | 81.0 Location(s) | | | | | | Total (Capital + Support): | \$1,951 | | | | |

**2016 SHOPP Project List
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| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|-----------------------------------|----------------|--------------|--------|---------|-----------|------------|------------|------------|
| 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 | E&P: | 49 | PA&ED: | 6/18/2015 |
| | | | | | | | | Const: | 1,645 | PS&E: | 883 | RW Cert: | 2/14/2017 |
| | | | | | | | | | | RW: | 4 | RTL: | 4/17/2017 |
| | | | | | | | | | | Con: | 503 | Begin Con: | 9/7/2017 |
| | | | | | | | | | | Subtotal: | 1,645 | | 1,439 |
| | | Performance Measure | | | Total (Capital + Support): | \$3,084 | | | | | | | |
| | | 62.0 Location(s) | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 13.0 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 | E&P: | 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 | | | | | | | |
| | | 45.0 Collisions Reduced | | | | | | | | | | | |

**2016 SHOPP Project List
Los Angeles
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| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|---|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 113 | PA&ED: | 8/15/2016 |
| | | | | | | | | Const: | 2,028 | PS&E: | 333 | RW Cert: | 8/15/2016 |
| | | | | | | | | | | RW: | 0 | RTL: | 3/25/2017 |
| | | | | | | | | | | Con: | 466 | Begin Con: | 9/27/2017 |
| | | | | | | | | Subtotal: | 2,028 | | 912 | | |
| | | | | | | | | Total (Capital + Support): | \$2,940 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 62.0 Location(s) | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,754 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 30.0 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 miscellaneous areas. | 4587 | 29520 | 0713000019 | 201.235 | 2016/17 | RW: | 0 | E&P: | 73 | PA&ED: | 6/26/2015 |
| | | | | | | | | Const: | 1,800 | PS&E: | 750 | RW Cert: | 4/29/2016 |
| | | | | | | | | | | RW: | 3 | RTL: | 3/24/2017 |
| | | | | | | | | | | Con: | 650 | Begin Con: | 2/8/2018 |
| | | | | | | | | Subtotal: | 1,800 | | 1,476 | | |
| | | | | | | | | Total (Capital + Support): | \$3,276 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 33.0 Location(s) | | | | | |

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| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|--|------|-------|------------|-----------------------------------|--------------|----------------|---------|-----------|------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | 31.0 Location(s) | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | 53.0 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 | E&P: | 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 | | | | | |
| | | 47.0 Location(s) | | | | | | | | | | | |

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| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$7,254 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 35.0 Location(s) | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$2,984 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 105.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,089 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 44.0 Location(s) | | | | | |

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| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|--|------|-------|------------|-----------------------------------|--------------|----------------|---------|-----------|------------|------------|-----------|
| 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 | E&P: | 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 | | | | | |
| | | 363.0 Collisions Reduced | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | 60.0 Location(s) | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|--|---|
| MANDATES | | | | | | | | | | |
| 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 Const: 17,500 | E&P: 0 PS&E: 2,450 RW: 300 Con: 2,600 | PA&ED: 8/25/2014 RW Cert: 3/3/2017 RTL: 4/3/2017 Begin Con: 11/22/2017 |
| | | | | | | | | Subtotal: | 17,510 | 5,350 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 131.0 Acres | Total (Capital + Support): | \$22,860 |
| 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 (BMP's). | 4722 | 30490 | 0714000086 | 201.335 | 2018/19 | RW: 427 Const: 4,740 | E&P: 800 PS&E: 1,823 RW: 62 Con: 956 | PA&ED: 6/20/2017 RW Cert: 9/14/2018 RTL: 10/19/2018 Begin Con: 2/26/2019 |
| | | | | | | | | Subtotal: | 5,167 | 3,641 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 24.0 Acres | Total (Capital + Support): | \$8,808 |

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| 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 | E&P: | 0 | PA&ED: | 6/28/2013 |
| | | | | | | | | Const: | 43,200 | PS&E: | 5,000 | RW Cert: | 10/3/2016 |
| | | | | | | | | | | RW: | 700 | RTL: | 12/23/2016 |
| | | | | | | | | | | Con: | 5,000 | Begin Con: | 7/7/2017 |
| | | | | | | | | Subtotal: | | | | | |
| Total (Capital + Support): | | | | | | | | \$53,935 | | | | | |
| Performance Measure | | | | | | | | | | | | | |
| 200.0 Acres | | | | | | | | | | | | | |
| 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 | E&P: | 400 | PA&ED: | 7/16/2018 |
| | | | | | | | | Const: | 1,210 | PS&E: | 250 | RW Cert: | 8/15/2019 |
| | | | | | | | | | | RW: | 6 | RTL: | 9/30/2019 |
| | | | | | | | | | | Con: | 350 | Begin Con: | 3/30/2020 |
| | | | | | | | | Subtotal: | | | | | |
| Total (Capital + Support): | | | | | | | | \$2,301 | | | | | |
| Performance Measure | | | | | | | | | | | | | |
| 0.9 Acres | | | | | | | | | | | | | |
| 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 (BMP's). | 4420 | 28830 | 0700021024 | 201.335 | 2019/20 | RW: | 36 | E&P: | 343 | PA&ED: | 9/28/2018 |
| | | | | | | | | Const: | 6,790 | PS&E: | 547 | RW Cert: | 8/12/2019 |
| | | | | | | | | | | RW: | 50 | RTL: | 8/15/2019 |
| | | | | | | | | | | Con: | 1,100 | Begin Con: | 2/14/2020 |
| | | | | | | | | Subtotal: | | | | | |
| Total (Capital + Support): | | | | | | | | \$8,866 | | | | | |
| Performance Measure | | | | | | | | | | | | | |
| 48.4 Acres | | | | | | | | | | | | | |

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| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$11,508 | | | | | |
| | | | | | | | | Performance Measure | | | | | | |
| | | | | | | | | 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$15,343 | | | | | |
| | | | | | | | | Performance Measure | | | | | | |
| | | | | | | | | 62.0 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 (BMP's). | 3923 | 26080 | 0712000104 | 201.335 | 2019/20 | RW: | 480 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$32,800 | | | | | |
| | | | | | | | | Performance Measure | | | | | | |
| | | | | | | | | 33.0 Acres | | | | | | |

**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 | E&P: | 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 | | | | | | | | | | | |
| | | 70.0 Structure(s) | | | | | | Total (Capital + Support): | \$3,003 | | | | |
| 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 | E&P: | 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 | | | | | | | | | | | |
| | | 38.3 Acres | | | | | | Total (Capital + Support): | \$11,628 | | | | |
| 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 | E&P: | 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 | | | | | | | | | | | |
| | | 55.6 Acres | | | | | | Total (Capital + Support): | \$18,945 | | | | |

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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$5,067 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 86.0 | 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: | 252 | E&P: | 200 | PA&ED: | 6/25/2015 |
| | | | | | | | | Const: | 2,257 | PS&E: | 400 | RW Cert: | 10/28/2016 |
| | | | | | | | | | | RW: | 450 | RTL: | 12/20/2016 |
| | | | | | | | | | | Con: | 400 | Begin Con: | 5/2/2017 |
| | | | | | | | | Subtotal: | 2,509 | | 1,450 | | |
| | | | | | | | | Total (Capital + Support): | \$3,959 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 120.0 | 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 Americans with Disabilities Act (ADA) standards. | 4744 | 30650 | 0714000177 | 201.361 | 2018/19 | RW: | 0 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$5,630 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 67.0 | Curb Ramps | | | | |

**2016 SHOPP Project List
Los Angeles
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| 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 | E&P: | 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 | | | | | | | |
| | | 200.0 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 | E&P: | 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 | | | | | | | |
| | | 13.0 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 Americans with Disabilities Act (ADA) standards. | 4493 | 29110 | 0712000068 | 201.378 | 2016/17 | RW: | 0 | E&P: | 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 | | | | | | | |
| | | 118.0 Structure(s) | | | | | | | | | | | |

**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: 0 Const: 0 | E&P: 150 PS&E: 475 RW: 50 Con: 0 | PA&ED: 3/30/2017 RW Cert: 12/31/2018 RTL: 1/30/2019 Begin Con: 8/14/2019 |
| | | | | | | | | Subtotal: | 0 | 675 |
| | | | | | | | | Total (Capital + Support): | \$675 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 8.0 Acres | | |
| 107 | 0.0/4.8 | In Torrance, from Route 1 to Redondo Beach Boulevard. Construct curb ramps and reconstruct driveways/sidewalks to meet Americans with Disabilities Act (ADA) standards. (G13 Contingency Project) | 4749 | 30700 | 0714000198 | 201.361 | 2018/19 | RW: 0 Const: 0 | E&P: 181 PS&E: 476 RW: 60 Con: 0 | PA&ED: 6/22/2017 RW Cert: 2/15/2019 RTL: 3/19/2019 Begin Con: 10/1/2019 |
| | | | | | | | | Subtotal: | 0 | 717 |
| | | | | | | | | Total (Capital + Support): | \$717 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 107.0 Curb Ramps | | |
| 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: 10 Const: 11,000 | E&P: 740 PS&E: 1,855 RW: 30 Con: 2,234 | PA&ED: 5/1/2017 RW Cert: 12/31/2018 RTL: 2/1/2019 Begin Con: 8/30/2019 |
| | | | | | | | | Subtotal: | 11,010 | 4,859 |
| | | | | | | | | Total (Capital + Support): | \$15,869 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 30.8 Acres | | |

**2016 SHOPP Project List
Los Angeles
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| 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 | E&P: | 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 | | | | |
| | | 29.6 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 | E&P: | 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 | | | | |
| | | 10.0 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 | E&P: | 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 | | | | |
| | | 33.0 Acres | | | | | | | | | | | |

**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 | E&P: | 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 Americans with Disabilities Act (ADA) standards. (G13 Contingency Project) | 4743 | 30660 | 0714000178 | 201.361 | 2018/19 | RW: | 176 | E&P: | 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 | | | | | |
| | | 188.0 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 | E&P: | 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 | | | | | | | | | | | |

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 | 1.0 | In Long Beach, at Alamitos Bay Bridge No. 53-0064. Seismic retrofit. (G13 Contingency Project) | 4165 | 27540 | 0700000520 | 201.113 | 2017/18 | RW: | 2,938 | E&P: | 1,075 | PA&ED: | 5/30/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 1,551 | RW Cert: | 3/30/2018 |
| | | | | | | | | | | RW: | 0 | RTL: | 6/1/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 9/6/2018 |
| | | | | | | | | Subtotal: | 2,938 | | | | 2,626 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | | | \$5,564 |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 738 | PA&ED: | 7/13/2016 |
| | | | | | | | | Const: | 5,488 | PS&E: | 1,428 | RW Cert: | 7/5/2017 |
| | | | | | | | | | | RW: | 174 | RTL: | 9/11/2017 |
| | | | | | | | | | | Con: | 1,251 | Begin Con: | 5/29/2018 |
| | | | | | | | | Subtotal: | 7,509 | | | | 3,591 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | | | \$11,100 |

**2016 SHOPP Project List
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| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|---------|-----------------|------------|------------|
| 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 | E&P: | 100 | PA&ED: | 1/13/2017 |
| | | | | | | | | Const: | 3,883 | PS&E: | 832 | RW Cert: | 7/1/2019 |
| | | | | | | | | | | RW: | 100 | RTL: | 8/14/2019 |
| | | | | | | | | | | Con: | 826 | Begin Con: | 12/4/2019 |
| | | | | | | | | Subtotal: | 4,128 | | 1,858 | | |
| | | | | | | | | Performance Measure | Total (Capital + Support): | | \$5,986 | | |
| | | | | | | | | 1.0 | Bridge(s) | | | | |
| 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 | E&P: | 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 | Total (Capital + Support): | | \$10,949 | | |
| | | | | | | | | 1.0 | Bridge(s) | | | | |
| 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 | E&P: | 486 | PA&ED: | 7/29/2016 |
| | | | | | | | | Const: | 8,265 | PS&E: | 1,894 | RW Cert: | 4/13/2017 |
| | | | | | | | | | | RW: | 159 | RTL: | 5/30/2017 |
| | | | | | | | | | | Con: | 1,908 | Begin Con: | 12/15/2017 |
| | | | | | | | | Subtotal: | 8,265 | | 4,447 | | |
| | | | | | | | | Performance Measure | Total (Capital + Support): | | \$12,712 | | |
| | | | | | | | | 30.0 | Bridge(s) | | | | |

**2016 SHOPP Project List
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| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | Total (Capital + Support): | \$3,998 | | | |
| 10 | R14.0/19.0 | In the city of Los Angeles, at Santa Monica Viaduct No. 53-1301. Paint and rehabilitate bridge. (G13 Contingency Project) | 4599 | 29660 | 0713000057 | 201.110 | 2016/17 | RW: | 134 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | Total (Capital + Support): | \$3,188 | | | |
| 91 | R10.2/R10.4 | In Compton, at Compton Creek Bridge Overhead and Off-Ramp No. 53-2235 and No. 53-2237S and Artesia-Santa Fe Undercrossing No. 53-2238K; also in Long Beach on Routes 710 and 110, at Harbor Scenic Drive Overhead No. 53-2934 (PM 6.0) and Gaffy Street Bridge No. 53-0397Y (PM R0.8). Bridge seismic retrofit and bridge rail upgrade. (G13 Contingency Project) | 4704 | 30160 | 0714000024 | 201.113 | 2019/20 | RW: | 0 | E&P: | 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 | | | | | |
| | | | | | | | | 5.0 Bridge(s) | Total (Capital + Support): | \$2,785 | | | |

**2016 SHOPP Project List
Los Angeles
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| 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 No. 53-2169. Upgrade bridge rails and lower on-ramp to increase vertical clearance. | 4500 | 29170 | 0712000095 | 201.112 | 2016/17 | RW: | 0 | E&P: | 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 | | | | | | | |
| | | ? Linear Feet | | | | | | | | | | | |
| 101 | 20.0 | Near Encino, at Encino Pedestrian Overcrossing. Replace pedestrian overcrossing. | 4915 | 31790 | 0715000277 | 201.110 | 2018/19 | RW: | 110 | E&P: | 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 | | | | | | | |
| | | 1.0 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 | E&P: | 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 | | | | | | | |
| | | 2.0 Bridge(s) | | | | | | | | | | | |

**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 | E&P: | 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 | | |
| | | | | | | | | 2.0 | 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 | E&P: | 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 | | |
| | | | | | | | | 5.0 | 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 | E&P: | 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 | | |
| | | | | | | | | 1.0 | Bridge(s) | | | | |

**2016 SHOPP Project List
Los Angeles
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| 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 | E&P: 150 PS&E: 592 RW: 50 Con: 703 | PA&ED: 4/21/2017 RW Cert: 8/3/2018 RTL: 11/30/2018 Begin Con: 6/14/2019 |
| | | | | | | | | Subtotal: | 4,295 | 1,495 |
| | | | | | | | | Total (Capital + Support): | \$5,790 | |
| | | | | | | | | Subtotal: | 4,566 | 2,011 |
| | | | | | | | | Total (Capital + Support): | \$6,577 | |
| 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 | E&P: 648 PS&E: 608 RW: 70 Con: 685 | PA&ED: 3/2/2017 RW Cert: 12/20/2018 RTL: 3/6/2019 Begin Con: 8/22/2019 |

**2016 SHOPP Project List
Los Angeles
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| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|----------------------------|--------------------|--------------|--------------|-----------------------------------|-----------------|------------------------------|------------------------------|--|---|
| 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: Const: | 0 0 | E&P: PS&E: RW: Con: | 150 650 30 0 | PA&ED: RW Cert: RTL: Begin Con: | 3/30/2017 12/31/2018 1/30/2019 8/14/2019 |
| | | | | | | | | Subtotal: | 0 | | 830 | | |
| | | | | Performance Measure | | | | Total (Capital + Support): | \$830 | | | | |
| | | | | 9.0 | Drainage System(s) | | | | | | | | |
| 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: Const: | 10 2,100 | E&P: PS&E: RW: Con: | 0 1,300 34 900 | PA&ED: RW Cert: RTL: Begin Con: | 6/13/2014 9/16/2016 10/14/2016 4/12/2017 |
| | | | | | | | | Subtotal: | 2,110 | | 2,234 | | |
| | | | | Performance Measure | | | | Total (Capital + Support): | \$4,344 | | | | |
| | | | | 0.1 | 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: Const: | 10 14,890 | E&P: PS&E: RW: Con: | 170 1,300 230 1,900 | PA&ED: RW Cert: RTL: Begin Con: | 6/22/2014 8/3/2017 9/15/2017 4/23/2018 |
| | | | | | | | | Subtotal: | 14,900 | | 3,600 | | |
| | | | | Performance Measure | | | | Total (Capital + Support): | \$18,500 | | | | |
| | | | | 4.0 | Lane Miles | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | |
|-------|-------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|---------|------------------------|--------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | | \$53,220 | | | |
| | | | | | | | | Performance Measure | | 46.5 Lane Miles | | | |
| 5 | R45.4/R61.2 | In and near Santa Clarita, from 0.5 miles south of I-5/SR-14 Separation to 1.7 miles north of Lake Hughes Road Undercrossing. Rehabilitate pavement. | 3725B | 25262 | 0700021272 | 201.120 | 2016/17 | RW: | 101 | E&P: | 0 | PA&ED: | 9/15/2011 |
| | | | | | | | | Const: | 156,000 | PS&E: | 6,410 | RW Cert: | 7/8/2016 |
| | | | | | | | | | | RW: | 20 | RTL: | 7/15/2016 |
| | | | | | | | | | | Con: | 9,138 | Begin Con: | 12/16/2016 |
| | | | | | | | | Subtotal: | 156,101 | | 15,568 | | |
| | | | | | | | | Total (Capital + Support): | | \$171,669 | | | |
| | | | | | | | | Performance Measure | | 108.8 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | | \$550 | | | |
| | | | | | | | | Performance Measure | | 2.0 Drainage System(s) | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|---|--|
| 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 Const: 0 | E&P: 74 PS&E: 2,387 RW: 126 Con: 0 | PA&ED: 12/23/2015 RW Cert: 9/28/2017 RTL: 10/30/2017 Begin Con: 1/29/2018 |
| | | | | | | | | Subtotal: | 0 | 2,587 |
| | | | | | | | | Total (Capital + Support): | | \$2,587 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 160.0 Lane Miles | | |
| 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 Const: 60,496 | E&P: 990 PS&E: 4,670 RW: 23 Con: 8,444 | PA&ED: 1/9/2018 RW Cert: 8/30/2019 RTL: 11/19/2019 Begin Con: 5/7/2020 |
| | | | | | | | | Subtotal: | 60,643 | 14,127 |
| | | | | | | | | Total (Capital + Support): | | \$74,770 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 50.4 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 Const: 0 | E&P: 50 PS&E: 1,800 RW: 10 Con: 0 | PA&ED: 12/15/2016 RW Cert: 11/1/2018 RTL: 1/15/2019 Begin Con: 9/3/2019 |
| | | | | | | | | Subtotal: | 90 | 1,860 |
| | | | | | | | | Total (Capital + Support): | | \$1,950 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 44.5 Lane Miles | | |

**2016 SHOPP Project List
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| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|-----------------------------------|----------------|--------------|--------|---------|-----------|------------|------------|------------|
| 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 | E&P: | 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 | | | | | | | |
| | | 96.0 Lighting Fixtures | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 80.0 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 | E&P: | 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 | | | | | | | |
| | | 0.5 Lane Miles | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---------|-----------------|------------|------------|------------|
| 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 Americans with Disabilities Act (ADA) curb ramps. | 4770 | 30750 | 0714000217 | 201.121 | 2019/20 | RW: | 2,389 | E&P: | 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: | | | | | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$16,709 | | | |
| 0.1 Lane Miles | | | | | | | | | | | | | |
| 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 | E&P: | 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: | | | | | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$15,848 | | | |
| 26.0 Lane Miles | | | | | | | | | | | | | |
| 107 | 0.0/4.8 | In Torrance, from Route 1 to Redondo Beach Boulevard. Pavement rehabilitation. (G13 Contingency Project) | 4818 | 31180 | 0715000014 | 201.121 | 2018/19 | RW: | 0 | E&P: | 137 | PA&ED: | 1/13/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 1,289 | RW Cert: | 8/20/2018 |
| | | | | | | | | | | RW: | 100 | RTL: | 10/1/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 2/4/2019 |
| | | | | | | | | Subtotal: | | | | | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$1,526 | | | |
| 36.2 Lane Miles | | | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|------------|
| 110 | 11.0 | Near Gardena, south of Redondo Beach Boulevard. Replace culvert. | 4849 | 31380 | 0715000095 | 201.151 | 2018/19 | RW: | 0 | E&P: | 110 | PA&ED: | 1/25/2017 |
| | | | | | | | | Const: | 2,530 | PS&E: | 375 | RW Cert: | 2/28/2019 |
| | | | | | | | | | | RW: | 20 | RTL: | 4/30/2019 |
| | | | | | | | | | | Con: | 375 | Begin Con: | 11/1/2019 |
| | | | | | | | | Subtotal: | 2,530 | | 880 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Drainage System(s) | | Total (Capital + Support): | \$3,410 | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 192.0 Lane Miles | | Total (Capital + Support): | \$39,593 | | |
| 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 Americans with Disabilities Act (ADA) curb ramps to current standards. | 4817 | 31170 | 0715000013 | 201.121 | 2018/19 | RW: | 376 | E&P: | 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 | | | | | |
| | | | | | | | | 112.0 Lane Miles | | Total (Capital + Support): | \$42,010 | | |

**2016 SHOPP Project List
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| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$650 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 3.0 Drainage System(s) | | | | | |
| 138 | 0.0/36.9 | Near Gorman and Lancaster, from Route 5 to Route 14. Rehabilitate pavement. (G13 Contingency Project) | 4804 | 31040 | 0715000001 | 201.121 | 2018/19 | RW: | 128 | E&P: | 510 | PA&ED: | 11/1/2016 |
| | | | | | | | | Const: | 0 | PS&E: | 1,810 | RW Cert: | 11/26/2018 |
| | | | | | | | | | | RW: | 22 | RTL: | 1/14/2019 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 7/8/2019 |
| | | | | | | | | Subtotal: | 128 | | 2,342 | | |
| | | | | | | | | Total (Capital + Support): | \$2,470 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 77.0 Lane Miles | | | | | |
| 138 | 46.7/50.0 | In Palmdale, from 30th Street E. to E. Avenue S. Pavement rehabilitation. (G13 Contingency Project) | 4769 | 30740 | 0714000219 | 201.121 | 2017/18 | RW: | 100 | E&P: | 45 | PA&ED: | 10/21/2015 |
| | | | | | | | | Const: | 0 | PS&E: | 828 | RW Cert: | 7/6/2017 |
| | | | | | | | | | | RW: | 50 | RTL: | 8/1/2017 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 2/7/2018 |
| | | | | | | | | Subtotal: | 100 | | 923 | | |
| | | | | | | | | Total (Capital + Support): | \$1,023 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 16.0 Lane Miles | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|------------------|-------|---------|------------|------------|
| 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 | E&P: | 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 | |
| | | | | | | | | Total (Capital + Support): | \$12,540 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 32.4 Lane Miles | | | | | |
| 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 | E&P: | 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 | |
| | | | | | | | | Total (Capital + Support): | \$125,442 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 51.7 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 | E&P: | 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 | |
| | | | | | | | | Total (Capital + Support): | \$702 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 3.0 Drainage System(s) | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 124 | PA&ED: | 3/17/2016 |
| | | | | | | | | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$2,485 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 0.1 Lane Miles | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,855 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 0.1 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,764 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 10.0 Drainage System(s) | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | |
|-----------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|---|--|-----------------------------------|-----------------|
| 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. (G13 Contingency Project) | 4719 | 30460 | 0714000073 | 201.315 | 2016/17 | RW: 10 Const: 0 | E&P: 81 PS&E: 1,028 RW: 2 Con: 0 | PA&ED: 3/24/2016 RW Cert: 12/22/2016 RTL: 2/23/2017 Begin Con: 8/2/2019 | | |
| | | | | | | | | Subtotal: | 10 | 1,111 | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$1,121 |
| | | | | | | | | 94.0 | Field Elements | | | |
| <hr/> | | | | | | | | | | | | |
| 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 Const: 29,000 | E&P: 20 PS&E: 3,720 RW: 105 Con: 5,000 | PA&ED: 7/12/2017 RW Cert: 7/13/2018 RTL: 8/31/2018 Begin Con: 3/11/2019 | | |
| | | | | | | | | Subtotal: | 29,702 | 8,845 | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$38,547 |
| | | | | | | | | 219.0 | Field Elements | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|----------------------------|------------|--|------|-----------------------------------|------------|----------------|--------------|------------------|---------|---------|------------|------------|------------|
| 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 reconfigurations. (G13 Contingency Project) | 4552 | 29370 | 0713000239 | 201.310 | 2016/17 | RW: | 1,000 | E&P: | 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 | | |
| Performance Measure | | 1.4 1,000 Vehicle | | Total (Capital + Support): | | \$6,126 | | | | | | | |
| 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 | E&P: | 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 | | 1.0 Location(s) | | Total (Capital + Support): | | \$6,797 | | | | | | | |
| 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 | E&P: | 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 | | 1.0 Location(s) | | Total (Capital + Support): | | \$3,972 | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---|---|
| 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 Const: 10,562 | E&P: 20 PS&E: 1,290 RW: 2 Con: 1,738 | PA&ED: 5/15/2017 RW Cert: 4/18/2019 RTL: 5/10/2019 Begin Con: 11/20/2019 |
| | | | | | | | | Subtotal: | 10,562 | 3,050 |
| | | | | | | | | Total (Capital + Support): | | \$13,612 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 115.0 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 Const: 23,400 | E&P: 230 PS&E: 4,600 RW: 230 Con: 2,940 | PA&ED: 9/1/2016 RW Cert: 10/12/2017 RTL: 12/15/2017 Begin Con: 7/13/2018 |
| | | | | | | | | Subtotal: | 23,400 | 8,000 |
| | | | | | | | | Total (Capital + Support): | | \$31,400 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 1.0 Structure(s) | | |

| | | | |
|-----------|---------|---------|---------|
| RW: | 17,153 | E&P: | 28,300 |
| Const: | 964,451 | PS&E: | 141,272 |
| | | RW: | 7,995 |
| | | Con: | 131,218 |
| Subtotal: | | 981,604 | |
| | | 308,785 | |

Los Angeles County Total (Capital + Support): \$1,290,389

**2016 SHOPP Project List
Madera
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|------------------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 | OQ610 | 0613000149 | 201.235 | 2016/17 | RW: 10 Const: 2,000 | E&P: 153 PS&E: 610 RW: 13 Con: 460 | PA&ED: 3/17/2015 RW Cert: 12/1/2016 RTL: 12/15/2016 Begin Con: 7/1/2017 |
| | | | | | | | | Subtotal: | 2,010 | 1,236 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$3,246 |
| 32.0 Location(s) | | | | | | | | | | |
| <u>ROADWAY PRESERVATION</u> | | | | | | | | | | |
| 41 | 36.3/40.8 | In and near Oakhurst, from north of Road 426 to north of Allen Road. Rehabilitate pavement. | 6716 | OR160 | 0614000043 | 201.121 | 2017/18 | RW: 37 Const: 3,396 | E&P: 397 PS&E: 703 RW: 192 Con: 698 | PA&ED: 8/1/2016 RW Cert: 1/5/2018 RTL: 2/16/2018 Begin Con: 8/15/2018 |
| | | | | | | | | Subtotal: | 3,433 | 1,990 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$5,423 |
| 7.0 Lane Miles | | | | | | | | | | |

**2016 SHOPP Project List
Madera
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|---------|------------|------------|-----------|
| 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: | 3,160 | E&P: | 2,463 | PA&ED: | 9/1/2019 |
| | | | | | | | | Const: | 10,184 | PS&E: | 2,390 | RW Cert: | 2/1/2020 |
| | | | | | | | | | | RW: | 1,296 | RTL: | 3/1/2020 |
| | | | | | | | | | | Con: | 2,722 | Begin Con: | 10/1/2020 |
| | | | | | | | | Subtotal: | 13,344 | 8,871 | | | |
| | | | | | | | | Total (Capital + Support): | \$22,215 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 21.6 Lane miles | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$2,444 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 26.0 Lane Miles | | | | | |

**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 | 0.3 | Near Mill Valley, at Tennessee Valley Road. Repair roadway slip-out. | 1485J | 2J560 | 0414000529 | 201.131 | 2017/18 | RW: | 5 | E&P: | 420 | PA&ED: | 6/30/2017 |
| | | | | | | | | Const: | 1,211 | PS&E: | 525 | RW Cert: | 5/30/2018 |
| | | | | | | | | | | RW: | 18 | RTL: | 6/15/2018 |
| | | | | | | | | | | Con: | 357 | Begin Con: | 11/30/2018 |
| | | | | | | | | Subtotal: | 1,216 | | | | 1,320 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | Total (Capital + Support): | \$2,536 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 400 | PA&ED: | 6/29/2015 |
| | | | | | | | | Const: | 1,639 | PS&E: | 400 | RW Cert: | 9/8/2016 |
| | | | | | | | | | | RW: | 50 | RTL: | 9/15/2016 |
| | | | | | | | | | | Con: | 350 | Begin Con: | 3/22/2017 |
| | | | | | | | | Subtotal: | 1,694 | | | | 1,200 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | Total (Capital + Support): | \$2,894 | | |

**2016 SHOPP Project List
Marin
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 2,740 | 3,600 |
| | | | | | | | | Total (Capital + Support): | \$6,340 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 2.0 | Location(s) | |
| 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 Const: 0 | E&P: 0 PS&E: 3,500 RW: 434 Con: 0 | PA&ED: 2/12/2014 RW Cert: 6/15/2017 RTL: 6/23/2017 Begin Con: 12/16/2016 |
| | | | | | | | | Subtotal: | 285 | 3,934 |
| | | | | | | | | Total (Capital + Support): | \$4,219 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 1.0 | Location(s) | |
| 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 Const: 0 | E&P: 168 PS&E: 2,700 RW: 284 Con: 0 | PA&ED: 12/13/2013 RW Cert: 6/15/2017 RTL: 6/23/2017 Begin Con: 12/18/2017 |
| | | | | | | | | Subtotal: | 157 | 3,152 |
| | | | | | | | | Total (Capital + Support): | \$3,309 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 1.0 | Location(s) | |

2016 SHOPP Project List Marin (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|---|-------|-------|------------|--------------|--------------|------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 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: | | | | | |
| Total (Capital + Support): | | | | | | | | | \$2,139 | | | | |
| Performance Measure | | | | | | | | | | | | | |
| 1.0 Location(s) | | | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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: | | | | | |
| Total (Capital + Support): | | | | | | | | | \$3,912 | | | | |
| Performance Measure | | | | | | | | | | | | | |
| 3.0 Location(s) | | | | | | | | | | | | | |

**2016 SHOPP Project List
Marin
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|--|-------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 83.0 Collisions Reduced | | Total (Capital + Support): | \$8,416 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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: | 12/12/2018 |
| | | | | | | | | Subtotal: | 5,544 | | 3,865 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 8.5 Collisions Reduced | | Total (Capital + Support): | \$9,409 | | |

**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 | OG642 | 0413000350 | 201.113 | 2018/19 | RW: 2,691 Const: 0 | E&P: 2,300 PS&E: 1,400 RW: 685 Con: 0 | PA&ED: 8/15/2017 RW Cert: 4/1/2019 RTL: 4/15/2019 Begin Con: 10/16/2019 | | | |
| | | | | | | | | Subtotal: | 2,691 | 4,385 | | | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$7,076 | | | |
| 1.0 Bridge(s) | | | | | | | | | | | | | |
| 1 | 33.4 | Near Point Reyes Station, at Millerton Gulch Bridge No. 27-0114. Repair damaged embankment and construct retaining wall. | 0480C | OJ570 | 0414000014 | 201.119 | 2017/18 | RW: 450 Const: 4,020 | E&P: 1,620 PS&E: 1,080 RW: 180 Con: 830 | PA&ED: 12/1/2017 RW Cert: 8/1/2019 RTL: 8/2/2019 Begin Con: 2/4/2020 | | | |
| | | | | | | | | Subtotal: | 4,470 | 3,710 | | | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$8,180 | | | |
| 1.0 Bridge(s) | | | | | | | | | | | | | |

**2016 SHOPP Project List
Marin
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$10,264 | | |
| 101 | 15.4 | San Rafael on Route 101 at Miller Creek Bridge No. 27-0004. Scour mitigation. | 0487Q | 4G871 | 0416000152 | 201.111 | 2016/17 | RW: | 50 | E&P: | 278 | PA&ED: | 6/30/2016 |
| | | | | | | | | Const: | 965 | PS&E: | 286 | RW Cert: | 2/15/2017 |
| | | | | | | | | | | RW: | 10 | RTL: | 6/15/2017 |
| | | | | | | | | | | Con: | 286 | Begin Con: | 6/30/2017 |
| | | | | | | | | Subtotal: | 1,015 | | 860 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 2.0 Bridge(s) | | Total (Capital + Support): | \$1,875 | | |

**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 Const: 13,783 | E&P: 1,320 PS&E: 1,254 RW: 66 Con: 1,540 | PA&ED: 10/1/2018 RW Cert: 12/2/2019 RTL: 1/2/2020 Begin Con: 7/9/2020 |
| | | | | | | | | Subtotal: | 14,300 | 4,180 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$18,480 |
| 27.8 Lane Miles | | | | | | | | | | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 6,066 | E&P: | 12,305 |
| Const: | 48,426 | PS&E: | 18,453 |
| | | RW: | 2,939 |
| | | Con: | 8,675 |
| Subtotal: | 54,492 | | 42,372 |

Marin County Total (Capital + Support): \$96,864

**2016 SHOPP Project List
Mariposa
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|------------------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|----------------|---------|------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | OY600 | 1013000244 | 201.015 | 2019/20 | RW: | 159 | E&P: | 183 | PA&ED: | 3/15/2017 |
| | | | | | | | | Const: | 1,550 | PS&E: | 291 | RW Cert: | 8/16/2019 |
| | | | | | | | | | | RW: | 77 | RTL: | 9/19/2019 |
| | | | | | | | | | | Con: | 308 | Begin Con: | 3/18/2020 |
| | | | | | | | | Subtotal: | 1,709 | | 859 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 10.0 Collisions Reduced | Total (Capital + Support): | \$2,568 | | | |
| <hr/> | | | | | | | | | | | | | |
| <u>ROADWAY PRESERVATION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 435 | PA&ED: | 10/2/2017 |
| | | | | | | | | Const: | 1,893 | PS&E: | 763 | RW Cert: | 12/3/2018 |
| | | | | | | | | | | RW: | 84 | RTL: | 2/15/2019 |
| | | | | | | | | | | Con: | 667 | Begin Con: | 7/15/2019 |
| | | | | | | | | Subtotal: | 1,909 | | 1,949 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 17.0 Drainage System(s) | Total (Capital + Support): | \$3,858 | | | |

2016 SHOPP Project List Mariposa (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| 140 | 22.1/25.3 | Near Mariposa, from the north Junction of Route 140 and 49 to Whitlock Road. Rehabilitate pavement. | 4736 | OG340 | 1013000078 | 201.121 | 2017/18 | RW: 13 Const: 3,126 | E&P: 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 |
| | | | | | | | | Subtotal: | 3,139 | 934 |
| | | | | | | | | Total (Capital + Support): | | \$4,073 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 6.4 Lane Miles | | |

| | | | |
|-----------|-------|-------|-------|
| RW: | 188 | E&P: | 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

**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 | OB480 | 0114000034 | 201.131 | 2017/18 | RW: 767 Const: 14,706 | E&P: 923 PS&E: 1,319 RW: 69 Con: 1,620 | PA&ED: 9/1/2016 RW Cert: 11/1/2017 RTL: 11/1/2017 Begin Con: 3/2/2018 |
| | | | | | | | | Subtotal: 15,473 | 3,931 | |
| | | | | | | | | Total (Capital + Support): \$19,404 | | |
| | | | | | | | | | | |
| 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 | OB530 | 0114000035 | 201.131 | 2018/19 | RW: 355 Const: 7,630 | E&P: 2,060 PS&E: 1,650 RW: 170 Con: 1,700 | PA&ED: 8/1/2017 RW Cert: 11/15/2018 RTL: 12/1/2018 Begin Con: 6/1/2019 |
| | | | | | | | | Subtotal: 7,985 | 5,580 | |
| | | | | | | | | Total (Capital + Support): \$13,565 | | |

2016 SHOPP Project List Mendocino (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---------|----------------|------------|------------|------------|
| 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 | E&P: | 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: | | | | | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$8,500 | | | |
| 1.0 Location(s) | | | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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: | | | | | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$5,018 | | | |
| 1.0 Location(s) | | | | | | | | | | | | | |

2016 SHOPP Project List Mendocino (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|-------------|--|------|-------|------------|--------------|--------------|----------------------------|---|---|
| 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 Const: 2,460 | E&P: 645 PS&E: 474 RW: 43 Con: 433 | PA&ED: 8/1/2017 RW Cert: 2/1/2018 RTL: 3/1/2018 Begin Con: 9/1/2018 |
| | | | | | | | | Subtotal: | 2,480 | 1,595 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 20.0 Collisions Reduced | Total (Capital + Support): | \$4,075 |
| 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 Const: 6,322 | E&P: 365 PS&E: 2,260 RW: 46 Con: 1,232 | PA&ED: 10/1/2017 RW Cert: 1/2/2020 RTL: 1/15/2020 Begin Con: 8/15/2020 |
| | | | | | | | | Subtotal: | 6,325 | 3,903 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 3.0 Location(s) | Total (Capital + Support): | \$10,228 |

**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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$5,034 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 7.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,696 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 10.0 Curb Ramps | | | | | |

**2016 SHOPP Project List
Mendocino
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 321.5 Linear Feet | | Total (Capital + Support): | \$12,416 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$15,566 | | |

**2016 SHOPP Project List
Mendocino
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---------|-------|---------|------------|-----------------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 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 | E&P: | 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 | | | | | |
| | | | | | | | | ? Linear Feet | | | | | |
| | | | | | | | | Total (Capital + Support): | | | | | \$25,409 |
| 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 | E&P: | 2,087 | PA&ED: | 9/1/2018 |
| | | | | | | | | Const: | 0 | PS&E: | 3,129 | RW Cert: | 2/15/2020 |
| | | | | | | | | | | RW: | 260 | RTL: | 3/1/2020 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 9/1/2020 |
| | | | | | | | | Subtotal: | 250 | | 5,476 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 2.0 Bridge(s) | | | | | |
| | | | | | | | | Total (Capital + Support): | | | | | \$5,726 |

**2016 SHOPP Project List
Mendocino
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| 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 | E&P: | 644 | PA&ED: | 2/1/2017 |
| | | | | | | | | Const: | 4,934 | PS&E: | 973 | RW Cert: | 1/15/2018 |
| | | | | | | | | | | RW: | 162 | RTL: | 2/1/2018 |
| | | | | | | | | | | Con: | 1,696 | Begin Con: | 8/1/2018 |
| | | | | | | | | Subtotal: | 5,398 | | 3,475 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$8,873 | | |
| 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 | E&P: | 299 | PA&ED: | 9/1/2016 |
| | | | | | | | | Const: | 518 | PS&E: | 462 | RW Cert: | 6/15/2017 |
| | | | | | | | | | | RW: | 146 | RTL: | 6/30/2017 |
| | | | | | | | | | | Con: | 446 | Begin Con: | 4/1/2018 |
| | | | | | | | | Subtotal: | 757 | | 1,353 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 3.0 Bridge(s) | | Total (Capital + Support): | \$2,110 | | |
| VAR | | In Mendocino County, at various routes and at various locations. Mitigate environmental impacts. | 4589 | 0E240 | 0114000002 | 201.110 | 2017/18 | RW: | 0 | E&P: | 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 | | | | | |
| | | | | | | | | 24.0 Bridge(s) | | Total (Capital + Support): | \$5,776 | | |

2016 SHOPP Project List Mendocino (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | | Capital | | | Support | Milestones | | |
|---|------------------|--|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|-----------|------------|--|------------------|
| 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 | E&P: | 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 | | | | | | | | |
| | | | | | | | | 1.0 Location(s) | | Total (Capital + Support): | \$2,527 | | | | | |
| <hr/> | | | | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | | |
| | | | | | | | | 43.0 Lane Miles | | Total (Capital + Support): | \$21,233 | | | | | |
| <hr/> | | | | | | | | | | | | | | | | |
| | | | | | | | | RW: | 15,155 | E&P: | 21,001 | | | | | |
| | | | | | | | | Const: | 96,333 | PS&E: | 30,032 | | | | | |
| | | | | | | | | | | RW: | 3,552 | | | | | |
| | | | | | | | | | | Con: | 17,882 | | | | | |
| | | | | | | | | Subtotal: | 111,488 | | | | 72,467 | | | |
| <table style="margin-left: auto; border: none;"> <tr> <td style="padding-right: 20px;">Mendocino County Total (Capital + Support):</td> <td>\$183,955</td> </tr> </table> | | | | | | | | | | | | | | | Mendocino County Total (Capital + Support): | \$183,955 |
| Mendocino County Total (Capital + Support): | \$183,955 | | | | | | | | | | | | | | | |

**2016 SHOPP Project List
Merced
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 5 | 0.4/0.9 | Near Firebaugh, at the John "Chuck" Erreca Safety Roadside Rest Area (SRRA). Upgrade water and wastewater system. | 3008 | OW620 | 1012000020 | 201.235 | 2017/18 | RW: 0 Const: 2,271 | E&P: 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 |
| | | | | | | | | Subtotal: | 2,271 | 1,537 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$3,808 |
| 1.0 Location(s) | | | | | | | | | | |
| <hr/> | | | | | | | | | | |
| 59 | 12.8/13.5 | In the city of Merced, at Mission Avenue/Dickenson Ferry Road. Left turn channelization. | 3005 | OU520 | 1000020459 | 201.010 | 2016/17 | RW: 818 Const: 1,500 | E&P: 699 PS&E: 727 RW: 710 Con: 380 | PA&ED: 6/27/2014 RW Cert: 12/1/2016 RTL: 12/16/2016 Begin Con: 6/1/2017 |
| | | | | | | | | Subtotal: | 2,318 | 2,516 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$4,834 |
| 20.0 Collisions Reduced | | | | | | | | | | |

**2016 SHOPP Project List
Merced
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|-------|---------|------------|------------|
| 59 | 16.0/16.2 | In the city of Merced, from north of Cooper Avenue to South Fork Black Rascal Creek Bridge. Intersection safety improvements. | 3164 | 1E350 | 1015000106 | 201.010 | 2017/18 | RW: | 396 | E&P: | 652 | PA&ED: | 1/11/2017 |
| | | | | | | | | Const: | 3,228 | PS&E: | 631 | RW Cert: | 6/15/2018 |
| | | | | | | | | | | RW: | 204 | RTL: | 6/29/2018 |
| | | | | | | | | | | Con: | 1,406 | Begin Con: | 1/4/2019 |
| | | | | | | | | Subtotal: | 3,624 | | 2,893 | | |
| | | | | | | | | Total (Capital + Support): | \$6,517 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 60.0 Collisions Reduced | | | | | |
| 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 | E&P: | 186 | PA&ED: | 1/25/2016 |
| | | | | | | | | Const: | 2,091 | PS&E: | 250 | RW Cert: | 5/11/2016 |
| | | | | | | | | | | RW: | 0 | RTL: | 7/19/2016 |
| | | | | | | | | | | Con: | 400 | Begin Con: | 12/5/2016 |
| | | | | | | | | Subtotal: | 2,091 | | 836 | | |
| | | | | | | | | Total (Capital + Support): | \$2,927 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 393.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$5,639 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 138.0 Collisions Reduced | | | | | |

**2016 SHOPP Project List
Merced
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|-----------|
| 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 | E&P: | 312 | PA&ED: | 3/15/2016 |
| | | | | | | | | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,958 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 36.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,741 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 131.0 Curb Ramps | | | | | |

**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 | E&P: | 819 | PA&ED: | 7/2/2018 |
| | | | | | | | | Const: | 1,802 | PS&E: | 888 | RW Cert: | 4/1/2020 |
| | | | | | | | | | | RW: | 542 | RTL: | 4/15/2020 |
| | | | | | | | | | | Con: | 939 | Begin Con: | 10/21/2020 |
| | | | | | | | | Subtotal: | 3,696 | | 3,188 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 13.0 Bridge(s) | | Total (Capital + Support): | \$6,884 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 982 | PA&ED: | 1/2/2019 |
| | | | | | | | | Const: | 6,530 | PS&E: | 649 | RW Cert: | 2/7/2020 |
| | | | | | | | | | | RW: | 19 | RTL: | 2/21/2020 |
| | | | | | | | | | | Con: | 1,984 | Begin Con: | 9/1/2020 |
| | | | | | | | | Subtotal: | 6,946 | | 3,634 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 7.0 Bridge(s) | | Total (Capital + Support): | \$10,580 | | |

**2016 SHOPP Project List
Merced
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------|------------|--|------|-------|------------|--------------|--------------|--|---|--|
| 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 | E&P: 1,973 PS&E: 3,946 RW: 148 Con: 0 | PA&ED: 11/3/2017 RW Cert: 2/1/2019 RTL: 3/1/2019 Begin Con: 9/20/2019 |
| | | | | | | | | Subtotal: 447 | 6,067 | |
| | | | | | | | | Total (Capital + Support): \$6,514 | | |
| | | | | | | | | | | Performance Measure 16.0 Lane Miles |
| 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 Const: 46,000 | E&P: 1,600 PS&E: 3,700 RW: 122 Con: 12,400 | PA&ED: 4/2/2018 RW Cert: 4/15/2020 RTL: 5/15/2020 Begin Con: 11/13/2020 |
| | | | | | | | | Subtotal: 46,095 | 17,822 | |
| | | | | | | | | Total (Capital + Support): \$63,917 | | |
| | | | | | | | | | | Performance Measure 19.6 Lane Miles |

**2016 SHOPP Project List
Merced
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|---|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|---------|-----------------|------------|------------|
| 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. (G13 Contingency Project) | 3091 | 1C180 | 1014000101 | 201.122 | 2016/17 | RW: | 10 | E&P: | 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 |
| | | | | | | | | Subtotal: | 10 | | 1,239 | | |
| | | | | | | | | Performance Measure | Total (Capital + Support): | | \$1,249 | | |
| | | | | | | | | 16.0 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: | 30 | E&P: | 1,380 | PA&ED: | 11/10/2015 |
| | | | | | | | | Const: | 20,000 | PS&E: | 1,450 | RW Cert: | 4/1/2016 |
| | | | | | | | | | | RW: | 215 | RTL: | 8/1/2016 |
| | | | | | | | | | | Con: | 2,500 | Begin Con: | 4/3/2017 |
| | | | | | | | | Subtotal: | 20,030 | | 5,545 | | |
| | | | | | | | | Performance Measure | Total (Capital + Support): | | \$25,575 | | |
| | | | | | | | | 59.4 Lane Miles | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | 20.0 Drainage System(s) | | | | | |

**2016 SHOPP Project List
Merced
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|----------------------|------|----|------|--------------|--------------|------------------|--------------|------------|
| | | | | | | | | RW: 5,566 | E&P: 10,793 | |
| | | | | | | | | Const: 91,961 | PS&E: 16,282 | |
| | | | | | | | | | RW: 2,552 | |
| | | | | | | | | | Con: 23,162 | |
| | | | | | | | | <hr/> | | |
| | | | | | | | | Subtotal: 97,527 | 52,789 | |

Merced County Total (Capital + Support): \$150,316

**2016 SHOPP Project List
Modoc
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 580 | PA&ED: | 9/11/2017 |
| | | | | | | | | Const: | 3,214 | PS&E: | 680 | RW Cert: | 9/11/2018 |
| | | | | | | | | | | RW: | 90 | RTL: | 10/3/2018 |
| | | | | | | | | | | Con: | 740 | Begin Con: | 2/12/2019 |
| | | | | | | | | Subtotal: | 3,214 | | 2,090 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 18.0 Collisions Reduced | | Total (Capital + Support): | \$5,304 | | |
| <u>BRIDGE PRESERVATION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 610 | PA&ED: | 3/3/2017 |
| | | | | | | | | Const: | 5,600 | PS&E: | 680 | RW Cert: | 5/11/2018 |
| | | | | | | | | | | RW: | 270 | RTL: | 6/22/2018 |
| | | | | | | | | | | Con: | 1,150 | Begin Con: | 11/15/2018 |
| | | | | | | | | Subtotal: | 5,647 | | 2,710 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 2.0 Bridge(s) | | Total (Capital + Support): | \$8,357 | | |

**2016 SHOPP Project List
Modoc
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|---|---|
| 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 | E&P: 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 | | | | | | | | Total (Capital + Support): | | \$3,320 |
| 1.0 Bridge(s) | | | | | | | | | | |

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 | E&P: 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 | | | | | | | | Total (Capital + Support): | | \$14,335 |
| 18.7 Lane Miles | | | | | | | | | | |

| | | | |
|-----------|--------|-------|-------|
| RW: | 125 | E&P: | 2,230 |
| Const: | 21,671 | PS&E: | 2,510 |
| | | RW: | 480 |
| | | Con: | 4,300 |
| Subtotal: | 21,796 | | 9,520 |

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

**2016 SHOPP Project List
Mono
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|--|--|---|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 Const: 2,470 | E&P: 319 PS&E: 420 RW: 2 Con: 355 | PA&ED: 8/9/2017 RW Cert: 7/30/2018 RTL: 9/17/2018 Begin Con: 3/18/2019 |
| | | | | | | | | Subtotal: 2,470 | 1,096 | |
| | | | | | | | | Total (Capital + Support): \$3,566 | | |
| | | | | | | | | | | Performance Measure 15.0 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 Const: 12,028 | E&P: 1,200 PS&E: 1,055 RW: 290 Con: 1,900 | PA&ED: 1/14/2015 RW Cert: 8/1/2016 RTL: 10/3/2016 Begin Con: 4/3/2017 |
| | | | | | | | | Subtotal: 12,129 | 4,445 | |
| | | | | | | | | Total (Capital + Support): \$16,574 | | |
| | | | | | | | | | | Performance Measure 42.0 Collisions Reduced |

**2016 SHOPP Project List
Mono
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-------|---------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$10,061 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 49.5 Collisions Reduced | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$7,859 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 4.6 Lane Miles | | | | | |

**2016 SHOPP Project List
Mono
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| 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 Americans with Disabilities Act (ADA) standards. | 0659 | 36550 | 0915000017 | 201.361 | 2019/20 | RW: 338 Const: 1,000 | E&P: 260 PS&E: 528 RW: 747 Con: 533 | PA&ED: 8/28/2017 RW Cert: 10/8/2019 RTL: 10/8/2019 Begin Con: 3/11/2020 |
| | | | | | | | | Subtotal: | 1,338 | 2,068 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$3,406 |
| 68.0 Curb Ramps | | | | | | | | | | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 673 | E&P: | 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

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 | OT850 | 0500020308 | 201.131 | 2017/18 | RW: 551 Const: 13,947 | E&P: 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 | | | | | | | | Total (Capital + Support): | | \$24,282 |
| 1.0 Location(s) | | | | | | | | | | |
| 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 | E&P: 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 | | | | | | | | Total (Capital + Support): | | \$8,086 |
| 3.0 Collisions Reduced | | | | | | | | | | |

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/L4.0 | Near Pacific Grove, from south of Piedmont Avenue to Scenic Drive. Widen shoulders. | 2378 | 1C250 | 0512000107 | 201.015 | 2017/18 | RW: | 0 | E&P: | 715 | PA&ED: | 7/12/2016 |
| | | | | | | | | Const: | 3,138 | PS&E: | 1,093 | RW Cert: | 12/26/2017 |
| | | | | | | | | | | RW: | 17 | RTL: | 6/22/2018 |
| | | | | | | | | | | Con: | 786 | Begin Con: | 1/25/2019 |
| | | | | | | | | | | Subtotal: | 3,138 | | 2,611 |
| | | Performance Measure | | | Total (Capital + Support): | \$5,749 | | | | | | | |
| | | 7.0 Collisions Reduced | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 276.0 Collisions Reduced | | | | | | | | | | | |
| 101 | 53.2 | In Greenfield, near Maple Avenue. Landscape mitigation for PPNO 2470. | 2470Y | 1E051 | 0515000079 | 201.015 | 2017/18 | RW: | 0 | E&P: | 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 | | | | | | | |
| | | 30.0 Collisions Reduced | | | | | | | | | | | |

2016 SHOPP Project List Monterey (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$6,521 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 32.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$6,294 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 57.0 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$2,475 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 23.0 Collisions Reduced | | | | | |

2016 SHOPP Project List Monterey (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|-----------|
| 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 | E&P: | 650 | PA&ED: | 11/3/2015 |
| | | | | | | | | Const: | 1,805 | PS&E: | 834 | RW Cert: | 2/13/2017 |
| | | | | | | | | | | RW: | 315 | RTL: | 2/21/2017 |
| | | | | | | | | | | Con: | 584 | Begin Con: | 8/29/2017 |
| | | | | | | | | Subtotal: | 1,856 | | 2,383 | | |
| | | | | | | | | Total (Capital + Support): | \$4,239 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 20.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$4,285 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | ? 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: | 18 | E&P: | 430 | PA&ED: | 1/15/2016 |
| | | | | | | | | Const: | 3,057 | PS&E: | 935 | RW Cert: | 3/21/2017 |
| | | | | | | | | | | RW: | 30 | RTL: | 9/27/2017 |
| | | | | | | | | | | Con: | 901 | Begin Con: | 5/25/2018 |
| | | | | | | | | Subtotal: | 3,075 | | 2,296 | | |
| | | | | | | | | Total (Capital + Support): | \$5,371 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 63.0 Location(s) | | | | | |

2016 SHOPP Project List Monterey (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|----------------------------|-------------|--|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$11,152 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 2,203 | PA&ED: | 3/30/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 4,079 | 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 | | | | | |
| | | | | | | | | 2.0 Bridge(s) | | Total (Capital + Support): | \$8,914 | | |

**2016 SHOPP Project List
Monterey
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | | |
|-------|------------|---|-------|-------|------------|--------------|--------------|----------------------------|-------------|---------|-----------------------------------|-----------------|------------|--|
| 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 | E&P: | 1,529 | PA&ED: | 9/7/2018 | |
| | | | | | | | | Const: | 7,734 | PS&E: | 1,800 | RW Cert: | 2/11/2020 | |
| | | | | | | | | | | RW: | 15 | RTL: | 4/29/2020 | |
| | | | | | | | | | | Con: | 2,236 | Begin Con: | 12/14/2020 | |
| | | | | | | | | Subtotal: | 8,575 | 5,580 | | | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$14,155 | | |
| | | | | | | | | 2.0 | Bridge(s) | | | | | |
| <hr/> | | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | 392.0 | Linear Feet | | | | | |

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 | E&P: | 672 | PA&ED: | 4/1/2016 |
| | | | | | | | | Const: | 3,279 | PS&E: | 1,154 | RW Cert: | 3/29/2018 |
| | | | | | | | | | | RW: | 288 | RTL: | 4/9/2018 |
| | | | | | | | | | | Con: | 783 | Begin Con: | 10/16/2018 |
| | | | | | | | | Subtotal: | 3,363 | | 2,897 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 7.0 Drainage System(s) | | Total (Capital + Support): | \$6,260 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 936 | PA&ED: | 7/2/2018 |
| | | | | | | | | Const: | 1,527 | PS&E: | 1,124 | RW Cert: | 10/28/2019 |
| | | | | | | | | | | RW: | 113 | RTL: | 2/3/2020 |
| | | | | | | | | | | Con: | 575 | Begin Con: | 6/1/2020 |
| | | | | | | | | Subtotal: | 1,550 | | 2,748 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Drainage System(s) | | Total (Capital + Support): | \$4,298 | | |

2016 SHOPP Project List Monterey (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---------|-----------------|-------|------------|------------|
| 1 | 39.8/74.6 | 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 | E&P: | 858 | PA&ED: | 3/14/2018 |
| | | | | | | | | Const: | 24,335 | PS&E: | 1,427 | RW Cert: | 5/23/2019 |
| | | | | | | | | | | RW: | 41 | RTL: | 6/13/2019 |
| | | | | | | | | | | Con: | 2,828 | Begin Con: | 8/20/2020 |
| | | | | | | | | Subtotal: | 24,366 | | 5,154 | | |
| | | | | | | | | Total (Capital + Support): | | \$29,520 | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 72.1 Lane Miles | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | | \$23,960 | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 54.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | | \$3,115 | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 17.2 Lane Miles | | | | | |

2016 SHOPP Project List Monterey (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,873 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 10.5 Lane Miles | | | | | |
| 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 | E&P: | 0 | PA&ED: | 3/2/2015 |
| | | | | | | | | Const: | 0 | PS&E: | 2,382 | RW Cert: | 6/14/2017 |
| | | | | | | | | | | RW: | 70 | RTL: | 6/1/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 11/28/2018 |
| | | | | | | | | Subtotal: | 15 | | 2,452 | | |
| | | | | | | | | Total (Capital + Support): | \$2,467 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 17.2 Lane Miles | | | | | |

2016 SHOPP Project List Monterey (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| 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 Const: 3,220 | E&P: 260 PS&E: 480 RW: 100 Con: 290 | PA&ED: 10/13/2015 RW Cert: 2/14/2017 RTL: 3/6/2017 Begin Con: 3/22/2018 |
| | | | | | | | | Subtotal: | 3,420 | 1,130 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$4,550 |
| 28.0 Field Elements | | | | | | | | | | |

| | | | |
|-----------|---------|-------|--------|
| RW: | 7,113 | E&P: | 16,248 |
| Const: | 110,858 | PS&E: | 31,676 |
| | | RW: | 2,807 |
| | | Con: | 21,425 |
| Subtotal: | 117,971 | | 72,156 |

Monterey County Total (Capital + Support): \$190,127

**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 | E&P: | 400 | PA&ED: | 2/3/2017 |
| | | | | | | | | Const: | 891 | PS&E: | 360 | RW Cert: | 9/1/2017 |
| | | | | | | | | | | RW: | 85 | RTL: | 9/1/2017 |
| | | | | | | | | | | Con: | 190 | Begin Con: | 5/11/2018 |
| | | | | | | | | Subtotal: | 1,035 | | | | 1,035 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | Total (Capital + Support): | \$2,070 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 372 | PA&ED: | 5/23/2017 |
| | | | | | | | | Const: | 1,822 | PS&E: | 427 | RW Cert: | 5/1/2018 |
| | | | | | | | | | | RW: | 42 | RTL: | 6/1/2018 |
| | | | | | | | | | | Con: | 295 | Begin Con: | 11/19/2018 |
| | | | | | | | | Subtotal: | 1,887 | | | | 1,136 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 2.0 Location(s) | | Total (Capital + Support): | \$3,023 | | |

**2016 SHOPP Project List
Napa
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|--|-------|-------|---|--------------|--------------|---|--|---|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: 4,060 | 1,394 | |
| | | | | | Performance Measure 48.0 Collisions Reduced | | | Total (Capital + Support): \$5,454 | | |
| 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 Const: 1,242 | E&P: 306 PS&E: 486 RW: 18 Con: 90 | PA&ED: 1/6/2016 RW Cert: 2/28/2017 RTL: 2/28/2017 Begin Con: 9/28/2017 |
| | | | | | | | | Subtotal: 1,252 | 900 | |
| | | | | | Performance Measure 2.0 Collisions Reduced | | | Total (Capital + Support): \$2,152 | | |

**2016 SHOPP Project List
Napa
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-------|---------|------------|------------|
| 121 | 0.7 | Near Napa, at Huichica Creek (PM 0.75). Roadway widening. | 0775G | 4G210 | 0412000310 | 201.010 | 2017/18 | RW: | 220 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$12,790 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 13.0 Collisions Reduced | | | | | |

MANDATES

| | | | | | | | | | | | | | |
|----|-----------|--|-------|-------|------------|---------|---------|-----------------------------------|----------------|-------|-------|------------|-----------|
| 29 | 36.9/38.0 | 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 Americans with Disabilities Act (ADA) ramps. | 0371Q | 3G140 | 0412021276 | 201.361 | 2016/17 | RW: | 561 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,658 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 29.0 Curb Ramps | | | | | |

**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 | E&P: 900 PS&E: 710 RW: 236 Con: 850 | PA&ED: 9/1/2018 RW Cert: 3/1/2020 RTL: 4/15/2020 Begin Con: 10/30/2020 | | |
| | | | | | | | | Subtotal: | 3,339 | 2,696 | | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$6,035 | | |
| 3.0 Bridge(s) | | | | | | | | | | | | |
| 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 | E&P: 1,320 PS&E: 1,100 RW: 330 Con: 1,100 | PA&ED: 9/1/2018 RW Cert: 3/1/2020 RTL: 4/15/2020 Begin Con: 10/30/2020 | | |
| | | | | | | | | Subtotal: | 1,417 | 3,850 | | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$5,267 | | |
| 1.0 Bridge(s) | | | | | | | | | | | | |

**2016 SHOPP Project List
Napa
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|---------|----------------|------------|------------|
| 29 | 47.0/47.2 | Near Calistoga, at Troutdale Creek Bridge No. 21-0004. Plant establishment. | 0382E | 4A09A | 0415000012 | 201.111 | 2016/17 | RW: | 5 | E&P: | 0 | PA&ED: | 7/28/2013 |
| | | | | | | | | Const: | 100 | PS&E: | 90 | RW Cert: | 11/14/2016 |
| | | | | | | | | | | RW: | 5 | RTL: | 11/28/2016 |
| | | | | | | | | | | Con: | 80 | Begin Con: | 6/15/2017 |
| | | | | | | | | Subtotal: | 105 | 175 | | | |
| | | | | | | | | Performance Measure | Total (Capital + Support): | | \$280 | | |
| | | | | | | | | 1.0 | Bridge(s) | | | | |
| 121 | 18.6 | Near Napa, at Capell Creek Bridge No. 21-0064. Bridge rehabilitation. | 1489K | 4J210 | 0415000288 | 201.110 | 2019/20 | RW: | 225 | E&P: | 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 | | |
| | | | | | | | | 1.0 | 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 | E&P: | 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 | | |
| | | | | | | | | 1.0 | Bridge(s) | | | | |

**2016 SHOPP Project List
Napa
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | |
|-------|------------|--|-------|-------|------------|-----------------------------------|--------------|-----------------|---------|------------|--------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | 1.0 Bridge(s) | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 128 | R7.4 | Near Rutherford, at Conn Creek Bridge No. 21-0021. Replace bridge. | 0587H | 1G430 | 0412000126 | 201.111 | 2016/17 | RW: | 20 | E&P: | 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 | | | | | |
| | | 1.0 Bridge(s) | | | | | | | | | | | |

**2016 SHOPP Project List
Napa
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|---|--|
| 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 Const: 17,100 | E&P: 510 PS&E: 1,900 RW: 35 Con: 2,100 | PA&ED: 1/29/2016 RW Cert: 8/1/2017 RTL: 6/1/2017 Begin Con: 1/28/2018 |
| | | | | | | | | Subtotal: | 17,195 | 4,545 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$21,740 |
| 36.0 Lane Miles | | | | | | | | | | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 2,938 | E&P: | 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

**2016 SHOPP Project List
Nevada
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|---------------------------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| MAJOR DAMAGE RESTORATION | | | | | | | | | | | | | |
| 80 | 18.3/19.3 | In Truckee, from Polaris Undercrossing to Donner Pass Inspection Facility. Construct water supply line. | 4295 | 1H260 | 0316000079 | 201.131 | 2016/17 | RW: | 12 | E&P: | 405 | PA&ED: | 7/1/2016 |
| | | | | | | | | Const: | 2,349 | PS&E: | 558 | RW Cert: | 3/1/2017 |
| | | | | | | | | | | RW: | 87 | RTL: | 3/1/2017 |
| | | | | | | | | | | Con: | 572 | Begin Con: | 2/1/2018 |
| | | | | | | | | Subtotal: | 2,361 | | | | 1,622 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | Total (Capital + Support): | \$3,983 | | |
| 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 | E&P: | 410 | PA&ED: | 8/1/2017 |
| | | | | | | | | Const: | 6,220 | PS&E: | 660 | RW Cert: | 10/15/2018 |
| | | | | | | | | | | RW: | 30 | RTL: | 11/1/2018 |
| | | | | | | | | | | Con: | 770 | Begin Con: | 4/1/2019 |
| | | | | | | | | Subtotal: | 6,282 | | | | 1,870 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 24.0 Collisions Reduced | | Total (Capital + Support): | \$8,152 | | |

**2016 SHOPP Project List
Nevada
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|---------|------------|------------|----------|
| 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 | E&P: | 1,700 | PA&ED: | 7/1/2016 |
| | | | | | | | | Const: | 17,000 | PS&E: | 2,100 | RW Cert: | 2/1/2018 |
| | | | | | | | | | | RW: | 2,300 | RTL: | 2/1/2018 |
| | | | | | | | | | | Con: | 3,200 | Begin Con: | 7/1/2018 |
| | | | | | | | | Subtotal: | 19,156 | | 9,300 | | |
| | | | | | | | | Total (Capital + Support): | \$28,456 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 72.0 Collisions Reduced | | | | | |

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 | E&P: | 180 | PA&ED: | 7/3/2017 |
| | | | | | | | | Const: | 1,660 | PS&E: | 330 | RW Cert: | 12/3/2018 |
| | | | | | | | | | | RW: | 86 | RTL: | 1/1/2019 |
| | | | | | | | | | | Con: | 360 | Begin Con: | 9/2/2019 |
| | | | | | | | | Subtotal: | 1,810 | | 956 | | |
| | | | | | | | | Total (Capital + Support): | \$2,766 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 85.7 Curb Ramps | | | | | |

**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 | E&P: 465 PS&E: 485 RW: 60 Con: 1,065 | PA&ED: 2/1/2016 RW Cert: 9/1/2016 RTL: 9/1/2016 Begin Con: 4/1/2017 |
| | | | | | | | | Subtotal: 5,708 | 2,075 | |
| | | | | | 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 | E&P: 440 PS&E: 550 RW: 350 Con: 0 | PA&ED: 9/1/2017 RW Cert: 10/1/2018 RTL: 11/1/2018 Begin Con: 4/1/2019 |
| | | | | | | | | Subtotal: 80 | 1,340 | |
| | | | | | Performance Measure 38.0 Drainage System(s) | | | Total (Capital + Support): \$1,420 | | |

**2016 SHOPP Project List
Nevada
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-------|---------|------------|------------|
| 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 | E&P: | 570 | PA&ED: | 8/1/2017 |
| | | | | | | | | Const: | 9,690 | PS&E: | 840 | RW Cert: | 9/1/2018 |
| | | | | | | | | | | RW: | 110 | RTL: | 10/1/2018 |
| | | | | | | | | | | Con: | 1,110 | Begin Con: | 4/1/2019 |
| | | | | | | | | Subtotal: | 9,890 | | 2,630 | | |
| | | | | | | | | Total (Capital + Support): | \$12,520 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | | | | |

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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$13,210 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 470.0 Field Elements | | | | | |

**2016 SHOPP Project List
Nevada
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|---|---|
| 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 Const: 2,478 | E&P: 0 PS&E: 100 RW: 80 Con: 625 | PA&ED: 6/1/2016 RW Cert: 6/25/2018 RTL: 7/17/2018 Begin Con: 3/20/2019 |
| | | | | | | | | Subtotal: | 2,495 | 805 |
| | | | | | | | | Total (Capital + Support): | \$3,300 | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 2,707 | E&P: | 5,170 |
| Const: | 54,305 | PS&E: | 6,623 |
| | | RW: | 3,283 |
| | | Con: | 9,502 |
| Subtotal: | 57,012 | | 24,578 |

Nevada County Total (Capital + Support): \$81,590

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 | ON910 | 1215000008 | 201.131 | 2016/17 | RW: 30 Const: 1,183 | E&P: 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 |
| | | | | | | | | Total (Capital + Support): | \$2,813 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 1.0 Location(s) | | |
| 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 | E&P: 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 |
| | | | | | | | | Total (Capital + Support): | \$1,725 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 20.0 Collisions Reduced | | |

2016 SHOPP Project List Orange (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|-----------------------------------|----------------|--------------|--------|---------|-----------|------------|------------|-----------|
| 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 | E&P: | 195 | PA&ED: | 11/1/2016 |
| | | | | | | | | Const: | 3,000 | PS&E: | 405 | RW Cert: | 1/2/2018 |
| | | | | | | | | | | RW: | 0 | RTL: | 2/1/2018 |
| | | | | | | | | | | Con: | 425 | Begin Con: | 11/1/2018 |
| | | | | | | | | | | Subtotal: | 3,008 | | 1,025 |
| | | Performance Measure | | | Total (Capital + Support): | \$4,033 | | | | | | | |
| | | 70.0 Collisions Reduced | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 36.0 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 | E&P: | 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 | | | | | | | |
| | | 65.0 Location(s) | | | | | | | | | | | |

2016 SHOPP Project List Orange (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|---|-------|----------------------------|------------|--------------|--------------|-----------------|---------|---------|------------|------------|------------|
| 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 | E&P: | 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: | | | | | |
| Total (Capital + Support): | | | | | | | | \$1,134 | | | | | |
| | | | | Performance Measure | | | | | | | | | |
| | | | | 17.0 Collisions Reduced | | | | | | | | | |
| 5 | 34.5/37.4 | In the city of Orange and Anaheim from Santa Ana River to Harbor Boulevard. Groove existing concrete pavement. | 2860M | 0N640 | 1214000075 | 201.010 | 2016/17 | RW: | 0 | E&P: | 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: | | | | | |
| Total (Capital + Support): | | | | | | | | \$3,573 | | | | | |
| | | | | Performance Measure | | | | | | | | | |
| | | | | 102.0 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 | E&P: | 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: | | | | | |
| Total (Capital + Support): | | | | | | | | \$15,792 | | | | | |
| | | | | Performance Measure | | | | | | | | | |
| | | | | ? Collisions Reduced | | | | | | | | | |

2016 SHOPP Project List Orange (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|---------|----------------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | 165.0 Collisions Reduced | | | | | |
| 39 | 1.8 | In the city of Huntington Beach, at Utica Avenue. Intersection improvement. | 3104 | 0N990 | 1215000017 | 201.010 | 2017/18 | RW: | 45 | E&P: | 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 | | |
| | | | | | | | | 20.0 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 | E&P: | 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 | | |
| | | | | | | | | 93.0 Collisions Reduced | | | | | |

2016 SHOPP Project List Orange (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|---------|------------|------------|-----------|
| 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 | ON500 | 1214000053 | 201.235 | 2018/19 | RW: | 0 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$2,900 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 33.0 Location(s) | | | | | |
| 55 | 13.2/R17.8 | In the city of Orange, from La Veta Avenue to Route 91. Roadside safety improvements. | 3535 | ON530 | 1214000056 | 201.235 | 2019/20 | RW: | 0 | E&P: | 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: | 12/1/2020 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$3,100 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 32.0 Location(s) | | | | | |
| 73 | 10.0/28.0 | In the cities of San Juan Capistrano, Laguna Niguel, Laguna Hills, Aliso Viejo, Laguna Beach, Irvine, Newport Beach, and Costa Mesa from Route 5 to Route 405. Upgrade highway safety features. | 4051A | ON720 | 1214000093 | 201.015 | 2019/20 | RW: | 0 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$23,088 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 108.0 Collisions Reduced | | | | | |

**2016 SHOPP Project List
Orange
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|-------|-------|-----------------------------------|----------------|--------------|--------|---------|-----------|---------|------------|------------|
| 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 | E&P: | 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 | | | | | | | |
| | | 8.0 Collisions Reduced | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 60.0 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 | E&P: | 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 | | | | | | | |
| | | 154.0 Collisions Reduced | | | | | | | | | | | |

2016 SHOPP Project List Orange (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------------------------|------------|---|-------|----------------------------|------------|--------------|--------------|-----------------|---------|-------|---------|------------|------------|
| 133 | 0.9/1.2 | In Laguna Beach, at and north of Canyon Acres Drive. Extend the northbound lane reduction transition. | 4769 | ON870 | 1214000124 | 201.010 | 2017/18 | RW: | 892 | E&P: | 0 | PA&ED: | 1/4/2016 |
| | | | | | | | | Const: | 833 | PS&E: | 1,100 | RW Cert: | 1/1/2018 |
| | | | | | | | | | | RW: | 150 | RTL: | 2/1/2018 |
| | | | | | | | | | | Con: | 471 | Begin Con: | 1/1/2020 |
| | | | | | | | | Subtotal: | | | | | |
| Total (Capital + Support): | | | | | | | | \$3,446 | | | | | |
| | | | | Performance Measure | | | | | | | | | |
| | | | | 34.0 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 | ON060 | 1213000097 | 201.010 | 2017/18 | RW: | 1,230 | E&P: | 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: | | | | | |
| Total (Capital + Support): | | | | | | | | \$9,991 | | | | | |
| | | | | Performance Measure | | | | | | | | | |
| | | | | 65.0 Collisions Reduced | | | | | | | | | |
| 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 | ON660 | 1214000077 | 201.015 | 2018/19 | RW: | 0 | E&P: | 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: | | | | | |
| Total (Capital + Support): | | | | | | | | \$11,560 | | | | | |
| | | | | Performance Measure | | | | | | | | | |
| | | | | 63.0 Collisions Reduced | | | | | | | | | |

2016 SHOPP Project List Orange (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | |
|-------|------------|---|-------|-------|------------|--------------|-----------------------------------|----------------|---------|------------|-----|------------|-----------|
| 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | Total (Capital + Support): | \$2,900 | | | | | |
| | | | | | | | Performance Measure | | | | | | |
| | | | | | | | 25.0 Location(s) | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | Total (Capital + Support): | \$2,900 | | | | | |
| | | | | | | | Performance Measure | | | | | | |
| | | | | | | | 20.0 Location(s) | | | | | | |

**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 | ON260 | 1213000186 | 201.335 | 2017/18 | RW: 0 Const: 935 | E&P: 200 PS&E: 470 RW: 10 Con: 335 | PA&ED: 10/30/2015 RW Cert: 5/19/2017 RTL: 6/12/2017 Begin Con: 12/1/2017 |
| | | | | | | | | Subtotal: 935 | 1,015 | |
| | | | | | Performance Measure | | | Total (Capital + Support): | \$1,950 | |
| | | | | | 0.3 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 (ADA) standards. | 2300 | OM820 | 1214000041 | 201.378 | 2019/20 | RW: 815 Const: 3,566 | E&P: 1,225 PS&E: 1,825 RW: 1,450 Con: 1,600 | PA&ED: 8/22/2017 RW Cert: 8/16/2019 RTL: 10/2/2019 Begin Con: 4/8/2020 |
| | | | | | | | | Subtotal: 4,381 | 6,100 | |
| | | | | | Performance Measure | | | Total (Capital + Support): | \$10,481 | |
| | | | | | 187.0 Curb Ramps | | | | | |

2016 SHOPP Project List Orange (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | |
|-----------------|------------|---|----------------|-------|------------|--------------|--------------|----------------------------|---------|------------|-------|------------|------------|
| 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 | E&P: | 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 |
| | | | | | | | | Performance Measure | | Subtotal: | 2,729 | 1,700 | |
| 2.5 Acres | | Total (Capital + Support): | \$4,429 | | | | | | | | | | |
| 57 | 16.3/20.9 | In Fullerton and Placentia, from Orangethorpe Avenue to Lambert Road. Upgrade pedestrian facilities to meet current Americans with Disabilities Act (ADA) standards. | 3799 | 0M480 | 1214000042 | 201.378 | 2018/19 | RW: | 20 | E&P: | 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 |
| | | | | | | | | Performance Measure | | Subtotal: | 1,120 | 1,876 | |
| 91.0 Curb Ramps | | Total (Capital + Support): | \$2,996 | | | | | | | | | | |
| 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 Americans with Disabilities Act (ADA) standards. | 4097C | 0M090 | 1200020302 | 201.361 | 2018/19 | RW: | 122 | E&P: | 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 |
| | | | | | | | | Performance Measure | | Subtotal: | 1,429 | 2,740 | |
| 48.0 Curb Ramps | | Total (Capital + Support): | \$4,169 | | | | | | | | | | |

2016 SHOPP Project List Orange (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------|------------|--|-------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| BRIDGE PRESERVATION | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$1,683 | | |
| ROADWAY PRESERVATION | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 14.0 Drainage System(s) | | Total (Capital + Support): | \$2,155 | | |

**2016 SHOPP Project List
Orange
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| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 5.0 Drainage System(s) | | Total (Capital + Support): | \$2,391 | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 14.0 Lane Miles | | Total (Capital + Support): | \$1,507 | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 18.0 Drainage System(s) | | Total (Capital + Support): | \$4,518 | | |

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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$6,653 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 22.4 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$9,230 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 90.0 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$17,606 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 11.0 Lane Miles | | | | | |

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 | E&P: 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 |
| | | | | | | | | Subtotal: | 3,000 | 1,860 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 7.0 Field Elements | Total (Capital + Support): | \$4,860 |
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 3,600 | 1,500 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 10.2 Field Elements | Total (Capital + Support): | \$5,100 |

2016 SHOPP Project List Orange (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|-----------------------------------|-----------------|--------------|--------|---------|-----------|------------|------------|------------|
| 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 | OG950 | 1215000045 | 201.310 | 2018/19 | RW: | 24,500 | E&P: | 1,400 | PA&ED: | 4/5/2017 |
| | | | | | | | | Const: | 13,100 | PS&E: | 3,500 | RW Cert: | 4/3/2019 |
| | | | | | | | | | | RW: | 1,500 | RTL: | 6/3/2019 |
| | | | | | | | | | | Con: | 2,800 | Begin Con: | 12/12/2019 |
| | | | | | | | | | | Subtotal: | 37,600 | | 9,200 |
| | | Performance Measure | | | Total (Capital + Support): | \$46,800 | | | | | | | |
| | | 710.0 1,000 Vehicle | | | | | | | | | | | |
| 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 (TMS). | 2530J | ON900 | 1215000007 | 201.315 | 2019/20 | RW: | 0 | E&P: | 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 | ON490 | 1214000050 | 201.321 | 2018/19 | RW: | 0 | E&P: | 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 | | | | | | | |
| | | 1.0 Location(s) | | | | | | | | | | | |

2016 SHOPP Project List Orange (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | |
|-------|------------|---|-------|-------|------------|--------------|--------------|---|----------------|------------------|---------|------------|-----------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | | \$5,396 | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 | Location(s) | | | | |
| 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 (TMS). | 4532 | 0P410 | 1215000099 | 201.315 | 2019/20 | RW: | 0 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | | \$4,600 | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 8.7 | Field Elements | | | | |
| | | | | | | | | RW: | 36,383 | E&P: | 14,541 | | |
| | | | | | | | | Const: | 145,706 | PS&E: | 41,222 | | |
| | | | | | | | | | | RW: | 9,155 | | |
| | | | | | | | | | | Con: | 37,507 | | |
| | | | | | | | | Subtotal: | 182,089 | | 102,425 | | |
| | | | | | | | | Orange County Total (Capital + Support): | | \$284,514 | | | |

**2016 SHOPP Project List
Placer
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|--|------|-------|------------|-----------------------------------|--------------|--------------------------|--|--|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 Const: 15,050 | E&P: 1,100 PS&E: 2,500 RW: 300 Con: 2,600 | PA&ED: 5/30/2016 RW Cert: 2/28/2017 RTL: 3/31/2017 Begin Con: 10/2/2017 |
| | | | | | | | | Subtotal: | 15,200 | 6,500 |
| Performance Measure | | | | | | Total (Capital + Support): | | \$21,700 | | |
| 184.0 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 Const: 1,836 | E&P: 570 PS&E: 430 RW: 60 Con: 400 | PA&ED: 12/15/2015 RW Cert: 2/1/2017 RTL: 3/24/2017 Begin Con: 9/1/2017 |
| | | | | | | | | Subtotal: | 1,836 | 1,460 |
| Performance Measure | | | | | | Total (Capital + Support): | | \$3,296 | | |
| 2.0 Location(s) | | | | | | | | | | |

2016 SHOPP Project List Placer (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | |
|-----------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|--|--|-----------------------------------|----------------|
| BRIDGE PRESERVATION | | | | | | | | | | | | |
| 80 | 28.7/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 Const: 0 | E&P: 2,720 PS&E: 6,350 RW: 485 Con: 0 | PA&ED: 1/2/2018 RW Cert: 2/28/2020 RTL: 3/15/2020 Begin Con: 12/15/2020 | | |
| | | | | | | | | Subtotal: | 200 | 9,555 | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$9,755 |
| | | | | | | | | 6.0 | Bridge(s) | | | |
| 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 | E&P: 2,400 PS&E: 1,300 RW: 1,100 Con: 0 | PA&ED: 6/1/2016 RW Cert: 3/1/2018 RTL: 4/2/2018 Begin Con: 10/1/2018 | | |
| | | | | | | | | Subtotal: | 50 | 4,800 | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$4,850 |
| | | | | | | | | 22.0 | Lane Miles | | | |

**2016 SHOPP Project List
Placer
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|-----------|------------|------------|------------|
| 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 | E&P: | 220 | PA&ED: | 7/3/2017 |
| | | | | | | | | Const: | 3,070 | PS&E: | 430 | RW Cert: | 12/15/2018 |
| | | | | | | | | | | RW: | 140 | RTL: | 1/15/2019 |
| | | | | | | | | | | Con: | 610 | Begin Con: | 9/5/2019 |
| | | | | | | | | | | Subtotal: | 3,140 | | 1,400 |
| | | Performance Measure | | | | | | | | | | | |
| | | 26.0 Drainage System(s) | | | | | | Total (Capital + Support): | \$4,540 | | | | |
| 80 | 28.5/31.5 | In and near Colfax, from 0.3 mile south of Weimar overhead to 0.3 mile south of Illinoistown overcrossing. Rehabilitate culvert. | 5096 | 3E050 | 0300020597 | 201.151 | 2017/18 | RW: | 82 | E&P: | 190 | PA&ED: | 6/1/2016 |
| | | | | | | | | Const: | 1,143 | PS&E: | 260 | RW Cert: | 10/1/2017 |
| | | | | | | | | | | RW: | 60 | RTL: | 10/1/2017 |
| | | | | | | | | | | Con: | 380 | Begin Con: | 3/1/2018 |
| | | | | | | | | | | Subtotal: | 1,225 | | 890 |
| | | Performance Measure | | | | | | | | | | | |
| | | 12.0 Drainage System(s) | | | | | | Total (Capital + Support): | \$2,115 | | | | |
| 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 | E&P: | 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 | | | | | | | | | | | |
| | | 22.0 Drainage System(s) | | | | | | Total (Capital + Support): | \$4,730 | | | | |

**2016 SHOPP Project List
Placer
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | |
|-----------------|------------|---|------|-------|------------|--------------|--------------|---|---|---|-----------------|
| MOBILITY | | | | | | | | | | | |
| 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 | OH460 | 0315000174 | 201.310 | 2018/19 | RW: 650 Const: 0 | E&P: 700 PS&E: 700 RW: 130 Con: 0 | PA&ED: 12/15/2016 RW Cert: 9/15/2018 RTL: 10/1/2018 Begin Con: 4/15/2019 | |
| | | | | | | | | Subtotal: | 650 | 1,530 | |
| | | | | | | | | Performance Measure | | | |
| | | | | | | | | 563.0 1,000 Vehicle | Total (Capital + Support): | \$2,180 | |
| 80 | VAR | In various counties on various routes at various locations. Upgrade Extinguishable Message Signs (EMS) to LED. | 4291 | OH400 | 0315000164 | 201.315 | 2019/20 | RW: 0 Const: 1,600 | E&P: 190 PS&E: 210 RW: 30 Con: 500 | PA&ED: 1/1/2019 RW Cert: 9/1/2019 RTL: 10/1/2019 Begin Con: 4/1/2020 | |
| | | | | | | | | Subtotal: | 1,600 | 930 | |
| | | | | | | | | Performance Measure | | | |
| | | | | | | | | 62.0 Field Elements | Total (Capital + Support): | \$2,530 | |
| | | | | | | | | RW: | 1,352 | E&P: | 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 |

**2016 SHOPP Project List
Plumas
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 20.0 Collisions Reduced | | Total (Capital + Support): | \$3,142 | | |
| <u>BRIDGE PRESERVATION</u> | | | | | | | | | | | | | |
| 70 | 14.9 | Near Belden, at Yellow Creek Bridge No. 09 -0008. Replace bridge. | 3208 | 1C750 | 0200000080 | 201.113 | 2016/17 | RW: | 400 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$13,420 | | |

**2016 SHOPP Project List
Plumas
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|-----------|
| 89 | 29.5/30.5 | Near Canyon Dam, at Lake Almanor Spillway. Replace bridge. | 3349 | 0E180 | 0200000022 | 201.113 | 2016/17 | RW: | 60 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$13,360 | | |

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 | E&P: | 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 | | | | | |
| | | | | | | | | 50.0 Drainage System(s) | | Total (Capital + Support): | \$6,595 | | |

2016 SHOPP Project List Plumas (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---|--|
| 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 Const: 20,547 | E&P: 1,030 PS&E: 900 RW: 70 Con: 1,440 | PA&ED: 12/5/2018 RW Cert: 8/5/2019 RTL: 9/5/2019 Begin Con: 3/10/2020 |
| | | | | | | | | Subtotal: | 20,547 | 3,440 |
| | | | | | | | | Total (Capital + Support): | | \$23,987 |

Performance Measure
18.0 Lane Miles

| | | | |
|-----------|--------|--------|--------|
| RW: | 786 | E&P: | 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

**2016 SHOPP Project List
Riverside
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|---|-------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|----------------|------------|------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 196 | PA&ED: | 2/25/2016 |
| | | | | | | | | Const: | 441 | PS&E: | 345 | RW Cert: | 10/19/2016 |
| | | | | | | | | | | RW: | 11 | RTL: | 11/14/2016 |
| | | | | | | | | | | Con: | 135 | Begin Con: | 5/1/2017 |
| | | | | | | | | Subtotal: | 476 | | 687 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 19.0 Collisions Reduced | Total (Capital + Support): | \$1,163 | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 184 | PA&ED: | 3/15/2017 |
| | | | | | | | | Const: | 1,229 | PS&E: | 226 | RW Cert: | 12/15/2017 |
| | | | | | | | | | | RW: | 21 | RTL: | 4/18/2018 |
| | | | | | | | | | | Con: | 198 | Begin Con: | 10/15/2018 |
| | | | | | | | | Subtotal: | 1,236 | | 629 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 90.0 Location(s) | Total (Capital + Support): | \$1,865 | | | |

2016 SHOPP Project List Riverside (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|------------|--------------|--------------|----------------------------|---------|---------|-----------------------------------|----------------|-----------|
| 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 | E&P: | 227 | PA&ED: | 5/19/2017 |
| | | | | | | | | Const: | 1,168 | PS&E: | 265 | RW Cert: | 4/20/2018 |
| | | | | | | | | | | RW: | 27 | RTL: | 9/20/2018 |
| | | | | | | | | | | Con: | 230 | Begin Con: | 3/14/2019 |
| | | | | | | | | | | | | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$1,924 | |
| | | | | | | | | 189.0 Location(s) | | | | | |
| 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$2,166 | |
| | | | | | | | | 77.0 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$1,762 | |
| | | | | | | | | 95.0 Location(s) | | | | | |

**2016 SHOPP Project List
Riverside
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|---------|----------------|------------|------------|
| 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 | E&P: | 294 | PA&ED: | 4/29/2016 |
| | | | | | | | | Const: | 706 | PS&E: | 546 | RW Cert: | 12/19/2016 |
| | | | | | | | | | | RW: | 20 | RTL: | 1/19/2017 |
| | | | | | | | | | | Con: | 359 | Begin Con: | 7/3/2017 |
| | | | | | | | | Subtotal: | 716 | 1,219 | | | |
| | | | | | | | | Performance Measure | Total (Capital + Support): | | \$1,935 | | |
| | | | | | | | | 187.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | 160.0 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 | E&P: | 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 | | |
| | | | | | | | | 131.0 Location(s) | | | | | |

**2016 SHOPP Project List
Riverside
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$3,621 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 258.0 Location(s) | | | | | |
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$1,790 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 88.0 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$3,025 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 66.0 Location(s) | | | | | |

**2016 SHOPP Project List
Riverside
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|-----------------------------------|--------------|-----------------|---------|-----------|------------|------------|------------|
| 60 | 22.2/26.6 | Near Beaumont, from Gilman Springs Road to 1.4 miles west of Jack Rabbit Trail. Construct left and right shoulders for westbound direction. | 0045G | 0Q180 | 0800020220 | 201.010 | 2017/18 | RW: | 250 | E&P: | 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 | | | | | |
| | | 330.0 Collisions Reduced | | | | | | | | | | | |
| 60 | R0.0/7.5 | Near Ontario, from the San Bernardino County line to Valley Way Undercrossing. Install double luminaire mast arms. | 0033S | 1E650 | 0814000059 | 201.010 | 2016/17 | RW: | 10 | E&P: | 630 | PA&ED: | 12/23/2015 |
| | | | | | | | | Const: | 16,250 | PS&E: | 1,403 | RW Cert: | 7/8/2016 |
| | | | | | | | | | | RW: | 113 | RTL: | 9/2/2016 |
| | | | | | | | | | | Con: | 1,753 | Begin Con: | 5/5/2017 |
| | | | | | | | | | | Subtotal: | 16,260 | | 3,899 |
| | | Performance Measure | | | | Total (Capital + Support): | | \$20,159 | | | | | |
| | | 486.0 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 | E&P: | 2,060 | PA&ED: | 9/19/2017 |
| | | | | | | | | 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 | | | | | |
| | | 298.0 Collisions Reduced | | | | | | | | | | | |

**2016 SHOPP Project List
Riverside
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | Milestones | |
|-------|------------|--|-------|-------|-----------------------------------|-----------------|--------------|--------|---------|-----------|---------|------------|------------|
| 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 | E&P: | 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 | | | | | | | |
| | | 80.0 Collisions Reduced | | | | | | | | | | | |
| 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 | E&P: | 2,450 | PA&ED: | 9/1/2016 |
| | | | | | | | | Const: | 26,298 | PS&E: | 2,215 | RW Cert: | 4/2/2018 |
| | | | | | | | | | | RW: | 1,860 | RTL: | 5/1/2018 |
| | | | | | | | | | | Con: | 3,950 | Begin Con: | 12/3/2018 |
| | | | | | | | | | | Subtotal: | 28,847 | | 10,475 |
| | | Performance Measure | | | Total (Capital + Support): | \$39,322 | | | | | | | |
| | | 26.0 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 | E&P: | 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 | | | | | | | |
| | | 70.0 Collisions Reduced | | | | | | | | | | | |

**2016 SHOPP Project List
Riverside
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | OR780 | 0812000165 | 201.015 | 2016/17 | RW: | 10 | E&P: | 800 | PA&ED: | 3/10/2016 |
| | | | | | | | | Const: | 4,976 | PS&E: | 705 | RW Cert: | 12/26/2016 |
| | | | | | | | | | | RW: | 80 | RTL: | 2/10/2017 |
| | | | | | | | | | | Con: | 1,250 | Begin Con: | 10/26/2017 |
| | | | | | | | | Subtotal: | 4,986 | 2,835 | | | |
| | | | | | | | | Total (Capital + Support): | \$7,821 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 126.0 Collisions Reduced | | | | | |
| 74 | R14.8/15.2 | In Lake Elsinore, at Gunnerson Street and Strickland Avenue. Left Turn Channelization. | 0050N | 1E050 | 0813000139 | 201.010 | 2016/17 | RW: | 100 | E&P: | 911 | PA&ED: | 5/2/2016 |
| | | | | | | | | Const: | 1,782 | PS&E: | 800 | RW Cert: | 3/7/2017 |
| | | | | | | | | | | RW: | 100 | RTL: | 6/15/2017 |
| | | | | | | | | | | Con: | 672 | Begin Con: | 2/21/2018 |
| | | | | | | | | Subtotal: | 1,882 | 2,483 | | | |
| | | | | | | | | Total (Capital + Support): | \$4,365 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 41.0 Collisions Reduced | | | | | |
| 91 | 7.0/7.8 | In Corona, at Route 15/91 Interchange. Construct roadside paving, weed barriers and relocate facilities. | 0076G | OR490 | 0812000089 | 201.235 | 2017/18 | RW: | 0 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$2,517 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 40.0 Location(s) | | | | | |

2016 SHOPP Project List Riverside (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 768 | PA&ED: | 2/1/2017 |
| | | | | | | | | Const: | 1,407 | PS&E: | 911 | RW Cert: | 10/18/2017 |
| | | | | | | | | | | RW: | 64 | RTL: | 3/15/2018 |
| | | | | | | | | | | Con: | 688 | Begin Con: | 4/2/2019 |
| | | | | | | | | Subtotal: | 1,417 | | 2,431 | | |
| | | Performance Measure | | | | | | | | | | | |
| | | 133.0 Collisions Reduced | | | | | | Total (Capital + Support): | \$3,848 | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 440 | PA&ED: | 4/3/2017 |
| | | | | | | | | Const: | 775 | PS&E: | 560 | RW Cert: | 1/2/2018 |
| | | | | | | | | | | RW: | 40 | RTL: | 2/2/2018 |
| | | | | | | | | | | Con: | 295 | Begin Con: | 10/3/2018 |
| | | | | | | | | Subtotal: | 785 | | 1,335 | | |
| | | Performance Measure | | | | | | | | | | | |
| | | 32.0 Collisions Reduced | | | | | | Total (Capital + Support): | \$2,120 | | | | |

2016 SHOPP Project List Riverside (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------|------------|---|-------|-------|------------|--------------|--------------|----------------------------|---|--|
| 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 Const: 1,667 | E&P: 213 PS&E: 267 RW: 27 Con: 382 | PA&ED: 6/30/2015 RW Cert: 5/12/2016 RTL: 8/12/2016 Begin Con: 2/13/2017 |
| | | | | | | | | Subtotal: | 1,674 | 889 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 54.0 Acres | Total (Capital + Support): | \$2,563 |
| 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 Const: 885 | E&P: 156 PS&E: 296 RW: 20 Con: 320 | PA&ED: 7/16/2018 RW Cert: 8/28/2019 RTL: 1/15/2020 Begin Con: 8/18/2020 |
| | | | | | | | | Subtotal: | 895 | 792 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 7.5 Acres | Total (Capital + Support): | \$1,687 |

**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 | E&P: | 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 | | | | | | | |
| | | 22.0 Structure(s) | | | | | | | | | | | |
| 74 | 36.9/43.6 | In Hemet, from Warren Road to Soboba Street. Construct and upgrade pedestrian facilities to current Americans with Disabilities Act (ADA) standards. | 3003P | 1F590 | 0814000256 | 201.361 | 2019/20 | RW: | 246 | E&P: | 710 | PA&ED: | 9/15/2017 |
| | | | | | | | | Const: | 2,188 | PS&E: | 1,815 | RW Cert: | 12/20/2019 |
| | | | | | | | | | | RW: | 467 | RTL: | 1/21/2020 |
| | | | | | | | | | | Con: | 1,100 | Begin Con: | 9/21/2020 |
| | | | | | | | | | | Subtotal: | 2,434 | | 4,092 |
| | | Performance Measure | | | Total (Capital + Support): | \$6,526 | | | | | | | |
| | | 121.0 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 | E&P: | 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 | | | | | | | |
| | | 12.0 Acres | | | | | | | | | | | |

**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 Disabilities Act (ADA) standards. | 3002R | 1F600 | 0814000257 | 201.361 | 2019/20 | RW: | 379 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$4,116 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 102.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$2,190 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 38.0 Acres | | | | | |
| 111 | 47.3/55.3 | In Palm Springs, from Gateway Drive to Golf Club Drive. Reconstruct sidewalks and curb ramps. | 0105C | OR300 | 0812000056 | 201.378 | 2017/18 | RW: | 228 | E&P: | 662 | PA&ED: | 6/10/2016 |
| | | | | | | | | Const: | 1,855 | PS&E: | 805 | RW Cert: | 3/6/2018 |
| | | | | | | | | | | RW: | 95 | RTL: | 4/6/2018 |
| | | | | | | | | | | Con: | 374 | Begin Con: | 11/8/2018 |
| | | | | | | | | Subtotal: | 2,083 | | 1,936 | | |
| | | | | | | | | Total (Capital + Support): | \$4,019 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 3.0 Structure(s) | | | | | |

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 Const: 7,080 | E&P: 1,184 PS&E: 1,795 RW: 20 Con: 1,209 | PA&ED: 7/16/2018 RW Cert: 9/24/2019 RTL: 4/15/2020 Begin Con: 11/17/2020 |
| | | | | | | | | Subtotal: | 7,090 | 4,208 |
| | | | | | | | | Total (Capital + Support): | \$11,298 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 36.0 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 Const: 1,802 | E&P: 210 PS&E: 652 RW: 11 Con: 452 | PA&ED: 2/29/2016 RW Cert: 1/13/2017 RTL: 2/17/2017 Begin Con: 9/29/2017 |
| | | | | | | | | Subtotal: | 1,822 | 1,325 |
| | | | | | | | | Total (Capital + Support): | \$3,147 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 9.0 Bridge(s) | | |

**2016 SHOPP Project List
Riverside
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|--------------|--|-------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 2.0 Bridge(s) | | Total (Capital + Support): | \$14,470 | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 440.0 Linear Feet | | Total (Capital + Support): | \$1,212 | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 9.0 Bridge(s) | | Total (Capital + Support): | \$3,684 | | |

**2016 SHOPP Project List
Riverside
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|-------|---------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$4,811 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | ? Linear Feet | | | | | |
| VAR | | Between Banning and Blythe on Routes 10 and 111, at Bridges No. 56-0003, No. 56-0241R, and No. 56-0596. Seismic retrofit. | 0107F | 0R350 | 0812000071 | 201.113 | 2016/17 | RW: | 20 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$6,881 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 3.0 Bridge(s) | | | | | |

2016 SHOPP Project List Riverside (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------------------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|---------|-------|---------|------------|-----------------|
| ROADWAY PRESERVATION | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 307.0 Signs | | | | | |
| | | | | | | | | Total (Capital + Support): | | | | | \$1,110 |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 48.0 Lane Miles | | | | | |
| | | | | | | | | Total (Capital + Support): | | | | | \$17,915 |

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 | E&P: | 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 | | |
| | | | | | | | | 153.9 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 | E&P: | 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 | | |
| | | | | | | | | 57.0 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 | E&P: | 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 | | | | | | |

**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 Const: 0 | E&P: 1,014 PS&E: 1,200 RW: 10 Con: 0 | PA&ED: 11/1/2017 RW Cert: 8/1/2019 RTL: 2/3/2020 Begin Con: 9/1/2020 |
| | | | | | | | | Subtotal: | 10 | 2,224 |
| | | | | | | | | Total (Capital + Support): | \$2,234 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 24.0 Lane Miles | | |
| 60 | 22.1/26.6 | Near Beaumont, from Gilman Springs Road to 1.4 miles west of Jack Rabbit Trail. Rehabilitate pavement. | 0033N | 1C090 | 0812000287 | 201.121 | 2017/18 | RW: 0 Const: 15,000 | E&P: 0 PS&E: 0 RW: 0 Con: 0 | PA&ED: 11/5/2015 RW Cert: 5/5/2017 RTL: 6/5/2017 Begin Con: 12/27/2017 |
| | | | | | | | | Subtotal: | 15,000 | 0 |
| | | | | | | | | Total (Capital + Support): | \$15,000 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 17.6 Lane Miles | | |
| 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 Const: 1,592 | E&P: 125 PS&E: 260 RW: 15 Con: 210 | PA&ED: 9/1/2017 RW Cert: 9/3/2019 RTL: 3/2/2020 Begin Con: 11/2/2020 |
| | | | | | | | | Subtotal: | 1,602 | 610 |
| | | | | | | | | Total (Capital + Support): | \$2,212 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 221.0 Lighting Fixtures | | |

**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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,476 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 31.8 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$40,477 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 85.5 Lane Miles | | | | | |
| 74 | 11.0 | 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,902 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | | | | |

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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$827 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$4,683 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 6.0 Field Elements | | | | | |

**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 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 | E&P: | 174 | PA&ED: | 7/23/2015 |
| | | | | | | | | Const: | 1,928 | PS&E: | 520 | RW Cert: | 4/1/2016 |
| | | | | | | | | | | RW: | 75 | RTL: | 10/10/2016 |
| | | | | | | | | | | Con: | 550 | Begin Con: | 7/12/2017 |
| | | | | | | | | Subtotal: | 1,935 | | 1,319 | | |
| | | Performance Measure | | | | Total (Capital + Support): | | \$3,254 | | | | | |
| | | 24.0 Field Elements | | | | | | | | | | | |
| 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. Convert existing limited access HOV lanes to continuous access HOV lanes to allow safer ingress and egress movements for HOV's. | 3003Q | 1G190 | 0815000166 | 201.310 | 2018/19 | RW: | 10 | E&P: | 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 | | | | | |
| | | 341.0 1,000 Vehicle | | | | | | | | | | | |

2016 SHOPP Project List Riverside (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|------------------------------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|---|--|
| 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 Const: 0 | E&P: 150 PS&E: 0 RW: 15 Con: 0 | PA&ED: RW Cert: RTL: 4/15/2019 Begin Con: |
| | | | | | | | | Subtotal: | 7,600 | 165 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$7,765 |
| 30.0 Location(s) | | | | | | | | | | |

| | | | |
|-----------|---------|-------|---------|
| RW: | 12,065 | E&P: | 31,339 |
| Const: | 299,602 | PS&E: | 49,713 |
| | | RW: | 5,398 |
| | | Con: | 43,794 |
| Subtotal: | 311,667 | | 130,244 |

Riverside County Total (Capital + Support): \$441,911

**2016 SHOPP Project List
Sacramento
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|---|--|---|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 | E&P: 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 | |
| | | | | | | | | Total (Capital + Support): \$3,605 | | |
| | | | | | | | | | | Performance Measure 8.0 Collisions Reduced |
| 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 | E&P: 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 | |
| | | | | | | | | Total (Capital + Support): \$4,614 | | |
| | | | | | | | | | | Performance Measure 1.0 Location(s) |

**2016 SHOPP Project List
Sacramento
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|-----------------------------------|----------------|--------------|--------|---------|-----------|------------|------------|------------|
| 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 | E&P: | 200 | PA&ED: | 2/2/2017 |
| | | | | | | | | Const: | 3,000 | PS&E: | 480 | RW Cert: | 2/1/2018 |
| | | | | | | | | | | RW: | 20 | RTL: | 2/1/2018 |
| | | | | | | | | | | Con: | 650 | Begin Con: | 1/2/2020 |
| | | | | | | | | | | Subtotal: | 3,020 | | 1,350 |
| | | Performance Measure | | | Total (Capital + Support): | \$4,370 | | | | | | | |
| | | 8.0 Collisions Reduced | | | | | | | | | | | |
| 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 | E&P: | 118 | PA&ED: | 10/19/2015 |
| | | | | | | | | Const: | 1,250 | PS&E: | 200 | RW Cert: | 11/10/2016 |
| | | | | | | | | | | RW: | 30 | RTL: | 11/25/2016 |
| | | | | | | | | | | Con: | 400 | Begin Con: | 5/3/2017 |
| | | | | | | | | | | Subtotal: | 1,250 | | 748 |
| | | Performance Measure | | | Total (Capital + Support): | \$1,998 | | | | | | | |
| | | 14.0 Location(s) | | | | | | | | | | | |

**2016 SHOPP Project List
Sacramento
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|--|---|--|
| 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 | E&P: 461 PS&E: 635 RW: 55 Con: 2,328 | PA&ED: 4/14/2016 RW Cert: 2/1/2017 RTL: 3/1/2017 Begin Con: 10/1/2017 |
| | | | | | | | | Subtotal: 19,226 | 3,479 | |
| | | | | | | | | Total (Capital + Support): \$22,705 | | |
| | | | | | | | | | | Performance Measure |
| | | | | | | | | | | 1.0 Bridge(s) |
| <hr/> | | | | | | | | | | |
| 51 | 2.6/3.0 | In the city of Sacramento, at the American River Bridge No. 24-0003. Widen and replace bridge deck. (G13 Contingency Project) | 6402 | 3F070 | 0312000054 | 201.110 | 2019/20 | RW: 1,000 Const: 0 | E&P: 4,340 PS&E: 10,130 RW: 360 Con: 0 | PA&ED: 8/1/2018 RW Cert: 5/1/2020 RTL: 5/1/2020 Begin Con: 12/1/2020 |
| | | | | | | | | Subtotal: 1,000 | 14,830 | |
| | | | | | | | | Total (Capital + Support): \$15,830 | | |
| | | | | | | | | | | Performance Measure |
| | | | | | | | | | | 1.0 Bridge(s) |

**2016 SHOPP Project List
Sacramento
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|-----------|
| 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 | E&P: | 480 | PA&ED: | 9/1/2017 |
| | | | | | | | | Const: | 3,900 | PS&E: | 1,070 | RW Cert: | 8/1/2019 |
| | | | | | | | | | | RW: | 80 | RTL: | 9/15/2019 |
| | | | | | | | | | | Con: | 1,100 | Begin Con: | 3/1/2020 |
| | | | | | | | | Subtotal: | 3,960 | | 2,730 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 4.0 Bridge(s) | | Total (Capital + Support): | \$6,690 | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 2.0 Bridge(s) | | Total (Capital + Support): | \$7,162 | | |
| 99 | 7.4/8.4 | Near Elk Grove, at Dillard Road Overcrossing Bridge No. 24-0163, Consumnes River Bridge No. 24-0021R/L, and Consumnes River Overflow Bridge No. 24-0020R/L. Bridge seismic retrofit. | 6912 | 0F280 | 0312000069 | 201.112 | 2017/18 | RW: | 2,600 | E&P: | 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 | | | | | |
| | | | | | | | | ? Linear Feet | | Total (Capital + Support): | \$23,900 | | |

2016 SHOPP Project List Sacramento (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|--|--|--|
| 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. (G13 Contingency Project) | 5832 | 3F090 | 0312000056 | 201.113 | 2017/18 | RW: 300 Const: 0 | E&P: 405 PS&E: 3,000 RW: 200 Con: 0 | PA&ED: 6/1/2016 RW Cert: 3/2/2018 RTL: 4/23/2018 Begin Con: 10/3/2018 | | |
| | | | | | | | | Subtotal: | 300 | 3,605 | | |
| | | | | | | | | Total (Capital + Support): | \$3,905 | | | |
| | | | | | | | | Performance Measure | | | | |
| | | | | | | | | 4.0 | Bridge(s) | | | |

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 | E&P: 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 | | |
| | | | | | | | | Subtotal: | 4,000 | 22,000 | | |
| | | | | | | | | Total (Capital + Support): | \$26,000 | | | |
| | | | | | | | | Performance Measure | | | | |
| | | | | | | | | 53.0 | Lane Miles | | | |

**2016 SHOPP Project List
Sacramento
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|---|
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 10,540 | 3,765 |
| | | | | | | | | Total (Capital + Support): | | \$14,305 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 0.1 Lane Miles | | |
| 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. | 6924 | 0H480 | 0315000198 | 201.121 | 2018/19 | RW: 22 Const: 0 | E&P: 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 |
| | | | | | | | | Subtotal: | 22 | 2,630 |
| | | | | | | | | Total (Capital + Support): | | \$2,652 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 67.8 Lane Miles | | |
| 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 Const: 5,072 | E&P: 420 PS&E: 570 RW: 20 Con: 1,100 | PA&ED: 8/26/2015 RW Cert: 6/1/2016 RTL: 7/1/2016 Begin Con: 3/1/2017 |
| | | | | | | | | Subtotal: | 5,072 | 2,110 |
| | | | | | | | | Total (Capital + Support): | | \$7,182 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 12.8 Lane Miles | | |

**2016 SHOPP Project List
Sacramento
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| MOBILITY | | | | | | | | | | | | | |
| 5 | 16.1/26.7 | In Sacramento, from Pocket Road Overcrossing to Route 5/80 Separation. Install fiber optic cable. (G13 Contingency Project) | 5846 | 4F450 | 0314000164 | 201.315 | 2016/17 | RW: | 600 | E&P: | 540 | PA&ED: | 4/15/2016 |
| | | | | | | | | Const: | 0 | PS&E: | 900 | RW Cert: | 12/1/2016 |
| | | | | | | | | | | RW: | 440 | RTL: | 1/4/2017 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 8/1/2019 |
| | | | | | | | | Subtotal: | 600 | | 1,880 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 10.0 Miles of Cable | | Total (Capital + Support): | \$2,480 | | |
| <hr/> | | | | | | | | | | | | | |
| 5 | 33.1 | Near the city of Sacramento, at 0.3 mile north of Airport Boulevard. Rehabilitate weigh-in-motion station. (G13 Contingency Project) | 5852 | 4F400 | 0314000159 | 201.321 | 2018/19 | RW: | 6 | E&P: | 210 | PA&ED: | 2/15/2018 |
| | | | | | | | | Const: | 0 | PS&E: | 240 | RW Cert: | 8/8/2018 |
| | | | | | | | | | | RW: | 25 | RTL: | 8/15/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 2/15/2019 |
| | | | | | | | | Subtotal: | 6 | | 475 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | Total (Capital + Support): | \$481 | | |

**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 | E&P: | 400 | PA&ED: | 4/1/2016 |
| | | | | | | | | 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 | | | | | | | |
| | | | | | | 8.0 Miles of Cable | | | | | | Total (Capital + Support): | \$9,500 |
| 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 | E&P: | 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 | | | | | | | |
| | | | | | | 32.0 1,000 Vehicle | | | | | | Total (Capital + Support): | \$3,930 |
| 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 | E&P: | 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 | | | | | | | |
| | | | | | | ? 1,000 Vehicle | | | | | | Total (Capital + Support): | \$2,720 |

**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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$5,540 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$16,750 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 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. (G13 Contingency Project) | 6913 | 0F350 | 0313000031 | 201.315 | 2016/17 | RW: | 30 | E&P: | 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 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 06/01/2017 |
| | | | | | | | | Subtotal: | 30 | 4,100 | | | |
| | | | | | | | | Total (Capital + Support): | \$4,130 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 15.0 Miles of Cable | | | | | |

**2016 SHOPP Project List
Sacramento
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|----------------------|------|----|------|--------------|--------------|-------------------|--------------|------------|
| | | | | | | | | RW: 10,174 | E&P: 20,642 | |
| | | | | | | | | Const: 91,264 | PS&E: 44,371 | |
| | | | | | | | | | RW: 6,136 | |
| | | | | | | | | | Con: 17,862 | |
| | | | | | | | | <hr/> | | |
| | | | | | | | | Subtotal: 101,438 | 89,011 | |

Sacramento County Total (Capital + Support): \$190,449

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | |
|---|-------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|---|-------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | |
| 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 Const: 1,580 | E&P: 1,044 PS&E: 1,207 RW: 193 Con: 539 | PA&ED: 10/3/2016 RW Cert: 2/1/2018 RTL: 3/23/2018 Begin Con: 9/11/2018 | |
| | | | | | | | | Subtotal: | 1,760 | 2,983 | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$4,743 | |
| 3.0 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 Const: 6,720 | E&P: 284 PS&E: 1,055 RW: 227 Con: 741 | PA&ED: 2/9/2016 RW Cert: 2/5/2018 RTL: 4/9/2018 Begin Con: 9/20/2018 | |
| | | | | | | | | Subtotal: | 6,928 | 2,307 | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$9,235 | |
| 3.0 Collisions Reduced | | | | | | | | | | | |
| | | | | | | | | RW: | 388 | E&P: | 1,328 |
| | | | | | | | | Const: | 8,300 | PS&E: | 2,262 |
| | | | | | | | | | | RW: | 420 |
| | | | | | | | | | | Con: | 1,280 |
| | | | | | | | | Subtotal: | 8,688 | | 5,290 |
| San Benito County Total (Capital + Support): | | | | | | | | | | \$13,978 | |

**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 | E&P: | 400 | PA&ED: | 5/1/2016 |
| | | | | | | | | Const: | 2,345 | PS&E: | 300 | RW Cert: | 5/1/2017 |
| | | | | | | | | | | RW: | 25 | RTL: | 6/16/2017 |
| | | | | | | | | | | Con: | 345 | Begin Con: | 1/15/2018 |
| | | | | | | | | Subtotal: | 2,355 | | | | 1,070 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | Total (Capital + Support): | \$3,425 | | |
| 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 | E&P: | 217 | PA&ED: | 12/21/2018 |
| | | | | | | | | Const: | 1,150 | PS&E: | 240 | RW Cert: | 11/27/2019 |
| | | | | | | | | | | RW: | 27 | RTL: | 12/31/2019 |
| | | | | | | | | | | Con: | 223 | Begin Con: | 6/16/2020 |
| | | | | | | | | Subtotal: | 1,157 | | | | 707 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 67.0 Location(s) | | Total (Capital + Support): | \$1,864 | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|---|---|
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 1,906 | 1,180 |
| | | | | | | | | Total (Capital + Support): | \$3,086 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 69.0 | Location(s) | |
| 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 Const: 1,492 | E&P: 290 PS&E: 338 RW: 35 Con: 294 | PA&ED: 3/28/2017 RW Cert: 2/22/2018 RTL: 7/12/2018 Begin Con: 3/7/2019 |
| | | | | | | | | Subtotal: | 1,499 | 957 |
| | | | | | | | | Total (Capital + Support): | \$2,456 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 79.0 | 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 Const: 1,626 | E&P: 256 PS&E: 299 RW: 32 Con: 281 | PA&ED: 1/11/2019 RW Cert: 12/13/2019 RTL: 1/24/2020 Begin Con: 7/14/2020 |
| | | | | | | | | Subtotal: | 1,633 | 868 |
| | | | | | | | | Total (Capital + Support): | \$2,501 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 81.0 | Location(s) | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$2,501 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 76.0 Location(s) | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,086 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 120.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$2,167 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 56.0 Location(s) | | | | | |

**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. Roadway safety improvements. | 3001T | 1C330 | 0812000282 | 201.235 | 2019/20 | RW: | 7 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,386 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 110.0 Location(s) | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,973 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 24.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$17,278 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 87.0 Collisions Reduced | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|-------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-------|---------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$48,538 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 20.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,349 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 6.0 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 | E&P: | 216 | PA&ED: | 2/23/2015 |
| | | | | | | | | Const: | 290 | PS&E: | 309 | RW Cert: | 1/15/2016 |
| | | | | | | | | | | RW: | 3 | RTL: | 2/1/2016 |
| | | | | | | | | | | Con: | 155 | Begin Con: | 8/15/2016 |
| | | | | | | | | Subtotal: | 290 | | 683 | | |
| | | | | | | | | Total (Capital + Support): | \$973 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 50.0 Collisions Reduced | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|--|-------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|---------|-----------------|------------|-----------|
| 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 | E&P: | 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 | | |
| | | | | | | | | 10.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | 15.0 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 | E&P: | 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 | | |
| | | | | | | | | 104.0 Collisions Reduced | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|---------------|---|-------|-------|------------|-----------------------------------|--------------|-----------------|---------|-----------|------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | 18.0 Collisions Reduced | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | 88.0 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 | E&P: | 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 | | | | | |
| | | 75.0 Collisions Reduced | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|--------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$35,088 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 239.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$2,060 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 115.0 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$2,301 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 128.0 Location(s) | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$2,060 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 120.0 Location(s) | | | | | |
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$5,737 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 36.0 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$5,370 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 33.0 Collisions Reduced | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|-----------------------------------|--------------|-----------------|---------|-----------|------------|------------|-----------|
| 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 | E&P: | 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 | | | | | |
| | | 11.0 Collisions Reduced | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | 26.0 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 | E&P: | 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 | | | | | |
| | | 7.0 Collisions Reduced | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|------------|--------------|-----------------------------------|-----------------|---------|---------|------------|------------|-----------|
| 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 | E&P: | 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 | | | |
| | | | | | | | Total (Capital + Support): | \$40,657 | | | | | |
| | | | | | | | Performance Measure | | | | | | |
| | | | | | | | 13.0 Collisions Reduced | | | | | | |

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 | E&P: | 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 | | | |
| | | | | | | | Total (Capital + Support): | \$5,854 | | | | | |
| | | | | | | | Performance Measure | | | | | | |
| | | | | | | | 119.0 Acres | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|-----------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 110.0 Acres | | | | | |
| | | | | | | | | Total (Capital + Support): | \$3,264 | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 20.0 Acres | | | | | |
| | | | | | | | | Total (Capital + Support): | \$1,634 | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 75.0 Structure(s) | | | | | |
| | | | | | | | | Total (Capital + Support): | \$3,255 | | | | |

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: | 20 | E&P: | 325 | PA&ED: | 12/11/2015 |
| | | | | | | | | Const: | 1,647 | PS&E: | 682 | RW Cert: | 5/1/2017 |
| | | | | | | | | | | RW: | 40 | RTL: | 7/31/2017 |
| | | | | | | | | | | Con: | 838 | Begin Con: | 3/8/2018 |
| | | | | | | | | | | | | | |
| | | | | | | | | Performance Measure | Total (Capital + Support): | | \$3,552 | | |
| | | | | | | | | 1.0 | Bridge(s) | | | | |
| 40 | R134.0 | Near Needles, at South Fork Plute Wash Bridge No. 54-0872R. Remove and reconstruct grouted rock slope protection. | 3001C | 1F280 | 0814000196 | 201.119 | 2016/17 | RW: | 25 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Performance Measure | Total (Capital + Support): | | \$1,513 | | |
| | | | | | | | | 1.0 | Bridge(s) | | | | |
| 60 | 0.9/2.9 | In Chino, at Pipeline Avenue Overcrossing No. 54-0744, Monte Vista Avenue Overcrossing No. 54-0746, and Benson Avenue Overcrossing No. 54-0748. Replace bridges. (G13 Contingency Project) | 0033E | 0F030 | 0800020358 | 201.110 | 2017/18 | RW: | 3,912 | E&P: | 1,013 | PA&ED: | 2/1/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 2,246 | RW Cert: | 2/1/2018 |
| | | | | | | | | | | RW: | 1,030 | RTL: | 6/1/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 1/17/2019 |
| | | | | | | | | | | | | | |
| | | | | | | | | Performance Measure | Total (Capital + Support): | | \$8,201 | | |
| | | | | | | | | 3.0 | Bridge(s) | | | | |

**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 | E&P: | 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 | | | | | |
| | | | | | | | | 15.0 Bridge(s) | | Total (Capital + Support): | \$2,437 | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$8,017 | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | ? Linear Feet | | Total (Capital + Support): | \$1,244 | | |

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 | OK291 | 0812000098 | 201.122 | 2016/17 | RW: 7 Const: 25,055 | E&P: 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 |
| | | | | | | | | Subtotal: | 25,062 | 4,406 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 19.2 Lane Miles | Total (Capital + Support): \$29,468 | |
| <hr/> | | | | | | | | | | |
| 10 | R36.9/R39.1 | Near Redlands, from Live Oak Canyon Road to County Line Road. Rehabilitate roadway. | 0163C | OK293 | 0812000100 | 201.122 | 2017/18 | RW: 7 Const: 17,144 | E&P: 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 |
| | | | | | | | | Subtotal: | 17,151 | 2,989 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 17.6 Lane Miles | Total (Capital + Support): \$20,140 | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | |
|-------|------------|--|-------|-------|------------|-----------------------------------|--------------|-----------------|---------|------------|--------|------------|------------|
| 15 | 12.8/14.8 | Near Fontana, from Sierra Avenue to Devore Road. Rehabilitate roadway. | 3003T | OK121 | 0815000245 | 201.122 | 2019/20 | RW: | 10 | E&P: | 570 | PA&ED: | 9/7/2017 |
| | | | | | | | | Const: | 22,104 | PS&E: | 900 | RW Cert: | 12/10/2019 |
| | | | | | | | | | | RW: | 10 | RTL: | 3/2/2020 |
| | | | | | | | | | | Con: | 2,350 | Begin Con: | 11/2/2020 |
| | | | | | | | | | | Subtotal: | 22,114 | | 3,830 |
| | | Performance Measure | | | | Total (Capital + Support): | | \$25,944 | | | | | |
| | | 16.0 Lane Miles | | | | | | | | | | | |
| 15 | 30.8/42.5 | In Hesperia and Victorville, from Route 395 to north of Mojave Drive. Rehabilitate roadway. (G13 Contingency Project) | 3003U | OK122 | 0815000244 | 201.122 | 2019/20 | RW: | 10 | E&P: | 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 | | | | Total (Capital + Support): | | \$2,420 | | | | | |
| | | 73.0 Lane Miles | | | | | | | | | | | |
| 15 | 64.6/75.3 | In Barstow, from Outlet Center Drive to Mojave River Bridge. Rehabilitate pavement. | 3003V | OK123 | 0815000242 | 201.121 | 2019/20 | RW: | 10 | E&P: | 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 | | | | Total (Capital + Support): | | \$30,718 | | | | | |
| | | 64.2 Lane Miles | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|-----------------------------------|-----------------|--------------|--------|---------|-----------|------------|------------|------------|
| 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 | E&P: | 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 | | | Total (Capital + Support): | \$15,390 | | | | | | | |
| | | 34.8 Lane Miles | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 43.0 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 | E&P: | 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 | | | | | | | |
| | | 68.0 Lighting Fixtures | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | | |
|-------|-------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|------------|-------|------------|------------|--|
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$6,381 | | | | | |
| | | | | | | | | Performance Measure | | | | | | |
| | | | | | | | | 73.2 Lane Miles | | | | | | |
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$10,841 | | | | | |
| | | | | | | | | Performance Measure | | | | | | |
| | | | | | | | | 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$5,504 | | | | | |
| | | | | | | | | Performance Measure | | | | | | |
| | | | | | | | | 32.0 Lane Miles | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|---------|------------|------------|-----------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 47.8 Lane Miles | | | | | |
| | | | | | | | | Total (Capital + Support): | \$11,912 | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 20.0 Lane Miles | | | | | |
| | | | | | | | | Total (Capital + Support): | \$7,097 | | | | |
| 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. | 3005A | 1F362 | 0816000011 | 201.170 | 2018/19 | RW: | 10 | E&P: | 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 | | | | | |
| | | | | | | | | 89.0 Signs | | | | | |
| | | | | | | | | Total (Capital + Support): | \$957 | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|-----------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,291 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 2.0 Location(s) | | | | | |

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 | E&P: | 1,684 | PA&ED: | 12/1/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 3,006 | RW Cert: | 2/1/2019 |
| | | | | | | | | | | RW: | 10 | RTL: | 5/15/2019 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 2/17/2020 |
| | | | | | | | | Subtotal: | 450 | | 4,700 | | |
| | | | | | | | | Total (Capital + Support): | \$5,150 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 760.0 1,000 Vehicle | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|-----------------------------------|----------------|--------------|--------|---------|-----------|------------|------------|------------|
| 60 | R8.9/R10.0 | In Ontario, from Haven Avenue to Milliken Avenue/Hammer Avenue. Construct auxiliary lane and widen connector and ramps. | 3003N | 0E331 | 0815000156 | 201.310 | 2019/20 | RW: | 260 | E&P: | 1,016 | PA&ED: | 6/1/2018 |
| | | | | | | | | Const: | 4,367 | PS&E: | 1,164 | RW Cert: | 8/1/2019 |
| | | | | | | | | | | RW: | 10 | RTL: | 2/3/2020 |
| | | | | | | | | | | Con: | 1,600 | Begin Con: | 11/2/2020 |
| | | | | | | | | | | Subtotal: | 4,627 | | 3,790 |
| | | Performance Measure | | | Total (Capital + Support): | \$8,417 | | | | | | | |
| | | 987.0 1,000 Vehicle | | | | | | | | | | | |
| 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 | E&P: | 135 | PA&ED: | 8/25/2017 |
| | | | | | | | | Const: | 2,295 | PS&E: | 390 | RW Cert: | 11/26/2018 |
| | | | | | | | | | | RW: | 10 | RTL: | 2/15/2019 |
| | | | | | | | | | | Con: | 450 | Begin Con: | 5/13/2019 |
| | | | | | | | | | | Subtotal: | 2,305 | | 985 |
| | | Performance Measure | | | Total (Capital + Support): | \$3,290 | | | | | | | |
| | | 4.0 Field Elements | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 1.0 Location(s) | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|------------------------------|------------|---|-------|----------------------------|------------|--------------|--------------|---|---|---|
| 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 Const: 1,541 | E&P: 185 PS&E: 349 RW: 10 Con: 392 | PA&ED: 9/15/2017 RW Cert: 10/15/2018 RTL: 12/14/2018 Begin Con: 6/17/2019 |
| | | | | | | | | Subtotal: 1,551 | 936 | |
| | | | | Performance Measure | | | | Total (Capital + Support): \$2,487 | | |
| | | | | 19.0 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 Const: 1,563 | E&P: 172 PS&E: 329 RW: 10 Con: 382 | PA&ED: 10/17/2017 RW Cert: 11/16/2018 RTL: 12/17/2018 Begin Con: 7/15/2019 |
| | | | | | | | | Subtotal: 1,573 | 893 | |
| | | | | Performance Measure | | | | Total (Capital + Support): \$2,466 | | |
| | | | | 11.5 Acres | | | | | | |

**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 | E&P: | 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 | | | |
| | | | | | | | Total (Capital + Support): | \$2,488 | | | | | |
| | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | |
| | | | | | | | Total (Capital + Support): | \$11,000 | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------------------|------------|--|-------|-------|------------|--------------|--------------|----------------------------|---|---|
| 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 Const: 6,670 | E&P: 897 PS&E: 1,248 RW: 42 Con: 1,755 | PA&ED: 12/5/2017 RW Cert: 10/8/2018 RTL: 11/16/2018 Begin Con: 7/18/2019 |
| | | | | | | | | Subtotal: | 6,680 | 3,942 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 1.0 Location(s) | Total (Capital + Support): | \$10,622 |

| | | | |
|-----------|---------|-------|---------|
| RW: | 33,491 | E&P: | 44,237 |
| Const: | 367,783 | PS&E: | 63,535 |
| | | RW: | 16,808 |
| | | Con: | 61,089 |
| Subtotal: | 401,274 | | 185,669 |

San Bernardino County Total (Capital + Support): \$586,943

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---|---|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 | E&P: 399 PS&E: 733 RW: 68 Con: 1,226 | PA&ED: 9/30/2015 RW Cert: 9/6/2016 RTL: 9/29/2016 Begin Con: 3/3/2017 |
| | | | | | | | | Subtotal: | 3,161 | 2,426 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 48.0 Location(s) | Total (Capital + Support): | \$5,587 |
| <hr/> | | | | | | | | | | |
| 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 | E&P: 603 PS&E: 2,167 RW: 3 Con: 770 | PA&ED: 9/29/2017 RW Cert: 8/1/2018 RTL: 9/28/2018 Begin Con: 4/25/2019 |
| | | | | | | | | Subtotal: | 5,212 | 3,543 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 48.0 Location(s) | Total (Capital + Support): | \$8,755 |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | | |
|-------|------------|---|------|-------|------------|--------------|--------------|----------------------------|-------------|---------|-----------------------------------|----------------|-----------|--|
| 8 | 49.0 | Near Pine Valley, at Buckman Springs Safety Roadside Rest Area (SRRRA). Rehabilitate SRRRA sewer and water systems. | 1085 | 40910 | 1112000043 | 201.235 | 2016/17 | RW: | 0 | E&P: | 698 | PA&ED: | 2/18/2016 | |
| | | | | | | | | Const: | 3,275 | PS&E: | 1,251 | RW Cert: | 2/13/2017 | |
| | | | | | | | | | | RW: | 20 | RTL: | 2/17/2017 | |
| | | | | | | | | | | Con: | 1,034 | Begin Con: | 8/2/2017 | |
| | | | | | | | | Subtotal: | 3,275 | 3,003 | | | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$6,278 | | |
| | | | | | | | | 1.0 | Location(s) | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | 25.0 | 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 | E&P: | 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 | | |
| | | | | | | | | 64.0 | Location(s) | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$12,765 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 463.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$6,931 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 90.0 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$7,722 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 44.0 Collisions Reduced | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|--|------|----------------------------|------------|--------------|--------------|------------------|---------|---------|------------|------------|------------|
| 94 | 7.2/10.5 | In and near Lemon Grove at various locations, from west of College Avenue to Campo Road. Improve maintenance 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 | E&P: | 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: | | | | | |
| Total (Capital + Support): | | | | | | | | \$6,886 | | | | | |
| | | | | Performance Measure | | | | | | | | | |
| | | | | 69.0 Location(s) | | | | | | | | | |
| 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: | 136 | E&P: | 448 | PA&ED: | 7/29/2016 |
| | | | | | | | | Const: | 6,193 | PS&E: | 710 | RW Cert: | 12/19/2016 |
| | | | | | | | | | | RW: | 82 | RTL: | 1/8/2017 |
| | | | | | | | | | | Con: | 1,261 | Begin Con: | 6/8/2017 |
| | | | | | | | | Subtotal: | | | | | |
| Total (Capital + Support): | | | | | | | | \$8,830 | | | | | |
| | | | | Performance Measure | | | | | | | | | |
| | | | | 45.0 Collisions Reduced | | | | | | | | | |
| 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 | E&P: | 425 | PA&ED: | 5/2/2016 |
| | | | | | | | | Const: | 3,825 | PS&E: | 876 | RW Cert: | 8/9/2017 |
| | | | | | | | | | | RW: | 27 | RTL: | 8/9/2017 |
| | | | | | | | | | | Con: | 1,083 | Begin Con: | 12/26/2017 |
| | | | | | | | | Subtotal: | | | | | |
| Total (Capital + Support): | | | | | | | | \$6,296 | | | | | |
| | | | | Performance Measure | | | | | | | | | |
| | | | | 39.0 Location(s) | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 315 | PA&ED: | 8/14/2015 |
| | | | | | | | | Const: | 3,241 | PS&E: | 940 | RW Cert: | 1/13/2017 |
| | | | | | | | | | | RW: | 14 | RTL: | 6/22/2017 |
| | | | | | | | | | | Con: | 930 | Begin Con: | 10/23/2017 |
| | | | | | | | | Subtotal: | 3,241 | | 2,199 | | |
| | | | | | | | | Total (Capital + Support): | \$5,440 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 133.0 Location(s) | | | | | |
| 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 | E&P: | 409 | PA&ED: | 1/31/2018 |
| | | | | | | | | Const: | 3,618 | PS&E: | 1,469 | RW Cert: | 12/31/2018 |
| | | | | | | | | | | RW: | 2 | RTL: | 1/31/2019 |
| | | | | | | | | | | Con: | 522 | Begin Con: | 8/21/2019 |
| | | | | | | | | Subtotal: | 3,621 | | 2,402 | | |
| | | | | | | | | Total (Capital + Support): | \$6,023 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 21.0 Location(s) | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------|-------------|---|------|-------|------------|--------------|--------------|----------------------------|---|--|
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 1,875 | 1,469 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 73.0 Acres | Total (Capital + Support): | \$3,344 |
| <hr/> | | | | | | | | | | |
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 2,751 | 1,769 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 3.6 Acres | Total (Capital + Support): | \$4,520 |

**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 | E&P: | 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 | | |
| | | | | | | | | 4.3 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 | E&P: | 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 Americans with Disabilities Act (ADA) standards. | 1127 | 41810 | 1114000056 | 201.361 | 2019/20 | RW: | 110 | E&P: | 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 | | |
| | | | | | | | | 108.0 Curb Ramps | | | | | |

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 Chula Vista, National City, Coronado and San Diego on routes 5, 8, 52, 75, 163 and 805 at various locations. Upgrade curb ramps to comply with Americans with Disabilities Act (ADA) standards. | 1022 | 40580 | 1100020271 | 201.361 | 2017/18 | RW: 90 Const: 4,394 | E&P: 841 PS&E: 1,856 RW: 134 Con: 1,120 | PA&ED: 7/19/2016 RW Cert: 8/23/2017 RTL: 9/21/2017 Begin Con: 6/18/2018 |
| | | | | | | | | Subtotal: | 4,484 | 3,951 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 65.0 Curb Ramps | Total (Capital + Support): | \$8,435 |

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 Const: 1,835 | E&P: 0 PS&E: 600 RW: 0 Con: 650 | PA&ED: 7/27/2016 RW Cert: 4/19/2017 RTL: 4/19/2017 Begin Con: 8/31/2017 |
| | | | | | | | | Subtotal: | 1,835 | 1,250 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 47.0 Bridge(s) | Total (Capital + Support): | \$3,085 |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|---|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 38.0 Bridge(s) | | Total (Capital + Support): | \$3,691 | | |
| 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 | E&P: | 426 | PA&ED: | 9/28/2015 |
| | | | | | | | | Const: | 14,636 | PS&E: | 1,671 | RW Cert: | 2/3/2017 |
| | | | | | | | | | | RW: | 0 | RTL: | 2/28/2017 |
| | | | | | | | | | | Con: | 2,406 | Begin Con: | 9/20/2017 |
| | | | | | | | | Subtotal: | 14,636 | | 4,503 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$19,139 | | |
| 76 | 22.2/47.1 | Near Palomar Mountain State Park, from Gomez Creek Bridge No. 57-0158 to San Luis Rey River Bridge No. 57-0171 at various locations. Bridge rail upgrade. | 1067 | 29910 | 1100000421 | 201.112 | 2016/17 | RW: | 0 | E&P: | 400 | PA&ED: | 1/29/2016 |
| | | | | | | | | Const: | 2,086 | PS&E: | 1,344 | RW Cert: | 4/6/2017 |
| | | | | | | | | | | RW: | 1 | RTL: | 6/22/2017 |
| | | | | | | | | | | Con: | 1,015 | Begin Con: | 11/13/2017 |
| | | | | | | | | Subtotal: | 2,086 | | 2,760 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 839.0 Linear Feet | | Total (Capital + Support): | \$4,846 | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|-----------------------------------|----------------|--------------|--------|---------|-----------|------------|------------|------------|
| 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. | 1123 | 41430 | 1114000024 | 201.112 | 2016/17 | RW: | 2 | E&P: | 330 | PA&ED: | 1/29/2016 |
| | | | | | | | | Const: | 2,187 | PS&E: | 1,061 | RW Cert: | 3/1/2017 |
| | | | | | | | | | | RW: | 4 | RTL: | 3/22/2017 |
| | | | | | | | | | | Con: | 830 | Begin Con: | 9/20/2017 |
| | | | | | | | | | | Subtotal: | 2,189 | | 2,225 |
| | | Performance Measure | | | Total (Capital + Support): | \$4,414 | | | | | | | |
| | | ? Linear Feet | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 574.0 Linear Feet | | | | | | | | | | | |
| 94 | 5.8/9.3 | In the city of San Diego at Kelton Road Overcrossing No. 57-0300; also in Lemon Grove at Grove Street Overcrossing No. 57-0322. Upgrade bridge rails. | 1124 | 41440 | 1114000023 | 201.112 | 2016/17 | RW: | 80 | E&P: | 417 | PA&ED: | 1/29/2016 |
| | | | | | | | | Const: | 3,146 | PS&E: | 1,363 | RW Cert: | 4/3/2017 |
| | | | | | | | | | | RW: | 46 | RTL: | 4/14/2017 |
| | | | | | | | | | | Con: | 1,161 | Begin Con: | 9/28/2017 |
| | | | | | | | | | | Subtotal: | 3,226 | | 2,987 |
| | | Performance Measure | | | Total (Capital + Support): | \$6,213 | | | | | | | |
| | | 990.0 Linear Feet | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|--|---|
| 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 Const: 17,423 | E&P: 636 PS&E: 1,142 RW: 7 Con: 2,988 | PA&ED: 5/31/2016 RW Cert: 1/31/2017 RTL: 2/28/2017 Begin Con: 8/2/2017 |
| | | | | | | | | Subtotal: | 17,424 | 4,773 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 0.3 Lane Miles | Total (Capital + Support): | \$22,197 |
| <hr/> | | | | | | | | | | |
| 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 Const: 15,248 | E&P: 0 PS&E: 1,056 RW: 0 Con: 2,086 | PA&ED: 6/19/2015 RW Cert: 10/5/2018 RTL: 11/16/2018 Begin Con: 5/30/2019 |
| | | | | | | | | Subtotal: | 15,248 | 3,142 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 29.2 Lane Miles | Total (Capital + Support): | \$18,390 |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|--|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 13.9 Lane Miles | | | | | |
| | | | | | | | | Total (Capital + Support): | \$29,648 | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 21.2 Lane Miles | | | | | |
| | | | | | | | | Total (Capital + Support): | \$14,775 | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 14.4 Lane Miles | | | | | |
| | | | | | | | | Total (Capital + Support): | \$10,693 | | | | |

**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. Culvert rehabilitation. | 1134 | 41820 | 1114000063 | 201.151 | 2018/19 | RW: 483 Const: 2,646 | E&P: 568 PS&E: 988 RW: 418 Con: 718 | PA&ED: 10/20/2017 RW Cert: 1/30/2019 RTL: 2/15/2019 Begin Con: 7/11/2019 |
| | | | | | | | | Subtotal: 3,129 | 2,692 | |
| | | | | Performance Measure 7.0 Drainage System(s) | | | | Total (Capital + Support): \$5,821 | | |
| VAR | | In various cities, at various locations. Upgrade existing guide signs to current standards. | 1129 | 41910 | 1114000125 | 201.170 | 2016/17 | RW: 0 Const: 10,671 | E&P: 640 PS&E: 1,224 RW: 5 Con: 1,486 | PA&ED: 2/16/2016 RW Cert: 10/7/2016 RTL: 11/18/2016 Begin Con: 5/22/2017 |
| | | | | | | | | Subtotal: 10,671 | 3,355 | |
| | | | | Performance Measure 928.0 Lighting Fixtures | | | | Total (Capital + Support): \$14,026 | | |
| VAR | | In various cities, at various locations. Upgrade existing guide signs to current standards. | 1130 | 41911 | 1114000126 | 201.170 | 2016/17 | RW: 0 Const: 10,593 | E&P: 640 PS&E: 1,224 RW: 5 Con: 1,486 | PA&ED: 2/16/2016 RW Cert: 10/7/2016 RTL: 11/18/2016 Begin Con: 5/22/2017 |
| | | | | | | | | Subtotal: 10,593 | 3,355 | |
| | | | | Performance Measure 936.0 Lighting Fixtures | | | | Total (Capital + Support): \$13,948 | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------|-------------|---|------|-------|------------|--------------|--------------|----------------------------|--|--|
| 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 Const: 6,403 | E&P: 400 PS&E: 1,000 RW: 125 Con: 1,630 | PA&ED: 8/9/2016 RW Cert: 5/30/2017 RTL: 10/2/2017 Begin Con: 4/30/2018 |
| | | | | | | | | Subtotal: | 6,546 | 3,155 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 344.0 | 1,000 Vehicle | Total (Capital + Support): \$9,701 |
| 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 one-half mile auxiliary lane. | 1136 | 2T215 | 1114000074 | 201.310 | 2016/17 | RW: 0 Const: 5,000 | E&P: 0 PS&E: 1,000 RW: 0 Con: 750 | PA&ED: 6/30/2011 RW Cert: 2/29/2016 RTL: 10/3/2016 Begin Con: 3/30/2017 |
| | | | | | | | | Subtotal: | 5,000 | 1,750 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 0.1 | 1,000 Vehicle | Total (Capital + Support): \$6,750 |

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 Const: 4,401 | E&P: 0 PS&E: 585 RW: 0 Con: 886 | PA&ED: 6/19/2015 RW Cert: 10/14/2019 RTL: 1/16/2020 Begin Con: 6/12/2020 |
| | | | | | | | | Subtotal: | 4,401 | 1,471 |
| | | | | | | | | Total (Capital + Support): | | \$5,872 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 25.0 Field Elements | | |
| <hr/> | | | | | | | | | | |
| 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 Const: 4,586 | E&P: 389 PS&E: 585 RW: 0 Con: 886 | PA&ED: 9/14/2016 RW Cert: 2/14/2018 RTL: 7/13/2018 Begin Con: 12/14/2018 |
| | | | | | | | | Subtotal: | 4,586 | 1,860 |
| | | | | | | | | Total (Capital + Support): | | \$6,446 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 25.0 Field Elements | | |
| <hr/> | | | | | | | | | | |
| | | | | | | | | RW: | 5,291 | E&P: 15,862 |
| | | | | | | | | Const: | 217,263 | PS&E: 45,917 |
| | | | | | | | | | | RW: 3,836 |
| | | | | | | | | | | Con: 46,209 |
| | | | | | | | | Subtotal: | 222,554 | 111,824 |
| | | | | | | | | Total (Capital + Support): | | \$334,378 |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|---|-------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|-----------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 440 | PA&ED: | 1/15/2018 |
| | | | | | | | | Const: | 7,060 | PS&E: | 914 | RW Cert: | 6/7/2019 |
| | | | | | | | | | | RW: | 91 | RTL: | 6/28/2019 |
| | | | | | | | | | | Con: | 914 | Begin Con: | 1/7/2020 |
| | | | | | | | | Subtotal: | 7,065 | | 2,359 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 252.0 Collisions Reduced | | Total (Capital + Support): | \$9,424 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 enhancements. | 0158G | 4H751 | 0416000119 | 201.015 | 2016/17 | RW: | 80 | E&P: | 416 | PA&ED: | 9/30/2015 |
| | | | | | | | | Const: | 4,650 | PS&E: | 1,250 | RW Cert: | 2/16/2017 |
| | | | | | | | | | | RW: | 130 | RTL: | 2/28/2017 |
| | | | | | | | | | | Con: | 1,100 | Begin Con: | 10/5/2017 |
| | | | | | | | | Subtotal: | 4,730 | | 2,896 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 24.0 Collisions Reduced | | Total (Capital + Support): | \$7,626 | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|----------------------------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| MANDATES | | | | | | | | | | | | | |
| 1 | 6.0 | In the city of San Francisco, at Presidio National Park. Water quality improvements. | 1067C | 1A905 | 0414000340 | 201.335 | 2017/18 | RW: | 1,050 | E&P: | 650 | PA&ED: | 8/1/2017 |
| | | | | | | | | Const: | 710 | PS&E: | 180 | RW Cert: | 2/1/2018 |
| | | | | | | | | | | RW: | 50 | RTL: | 6/29/2018 |
| | | | | | | | | | | Con: | 190 | Begin Con: | 1/10/2019 |
| | | | | | | | | Subtotal: | 1,760 | | 1,070 | | |
| | | | | | | | | Total (Capital + Support): | \$2,830 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Acres | | | | | |
| BRIDGE PRESERVATION | | | | | | | | | | | | | |
| 101 | 2.0 | Near San Francisco, at Alemany Circle Undercrossing Bridge No. 34-0033. Rehabilitate bridge. | 0587D | 3G620 | 0412000141 | 201.110 | 2017/18 | RW: | 20 | E&P: | 2,400 | PA&ED: | 6/15/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 3,000 | RW Cert: | 12/3/2018 |
| | | | | | | | | | | RW: | 20 | RTL: | 12/15/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 7/15/2019 |
| | | | | | | | | Subtotal: | 20 | | 5,420 | | |
| | | | | | | | | Total (Capital + Support): | \$5,440 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|------------------------------|----------------------------|--|---|
| 101 | 4.1/R5.1 | In the City and County of San Francisco, at the Central Viaduct Bridge No. 34-0077 from south of 17th Street to S. Van Ness Avenue ; also, on Route 80 at the Bayshore Viaduct Bridge 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: Const: | 62 0 | E&P: 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 |
| | | | | | | | | Subtotal: | 62 | | 12,000 | | |
| | | | | | | | | Total (Capital + Support): | \$12,062 | | | | |

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: Const: | 5 3,956 | E&P: 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 |
| | | | | | | | | Subtotal: | 3,961 | | 1,475 | | |
| | | | | | | | | Total (Capital + Support): | \$5,436 | | | | |

**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. (G13 Contingency Project) | 0585E | 4C130 | 0400001180 | 201.121 | 2017/18 | RW: | 180 | E&P: | 294 | PA&ED: | 5/1/2016 |
| | | | | | | | | Const: | 0 | PS&E: | 1,319 | RW Cert: | 12/12/2017 |
| | | | | | | | | | | RW: | 35 | RTL: | 3/1/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 5/21/2018 |
| | | | | | | | | Subtotal: | 180 | | 1,648 | | |
| | | | | | | | | Total (Capital + Support): | \$1,828 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 41.4 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 | E&P: | 290 | PA&ED: | 3/15/2016 |
| | | | | | | | | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$5,261 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 8.4 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 | E&P: | 180 | PA&ED: | |
| | | | | | | | | Const: | 7,300 | PS&E: | 0 | RW Cert: | |
| | | | | | | | | | | RW: | 30 | RTL: | |
| | | | | | | | | | | Con: | 0 | Begin Con: | |
| | | | | | | | | Subtotal: | 7,300 | | 210 | | |
| | | | | | | | | Total (Capital + Support): | \$7,510 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 4.0 Lane Miles | | | | | |

**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 | OJ700 | 0414000027 | 201.315 | 2017/18 | RW: 115 Const: 4,628 | E&P: 0 PS&E: 750 RW: 340 Con: 750 | PA&ED: 12/30/2017 RW Cert: RTL: Begin Con: |
| | | | | | | | | Subtotal: | 4,743 | 1,840 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$6,583 |
| 9.0 Field Elements | | | | | | | | | | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 1,717 | E&P: | 7,390 |
| Const: | 31,799 | PS&E: | 17,669 |
| | | RW: | 1,065 |
| | | Con: | 4,360 |
| Subtotal: | 33,516 | | 30,484 |

San Francisco County Total (Capital + Support): \$64,000

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------------------------|-------------|--|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 650 | PA&ED: | 7/17/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 740 | RW Cert: | 12/15/2018 |
| | | | | | | | | | | RW: | 10 | RTL: | 1/15/2019 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 7/22/2019 |
| | | | | | | | | Subtotal: | 60 | | 1,400 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 102.0 Location(s) | | Total (Capital + Support): | \$1,460 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 200 | PA&ED: | 9/7/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 470 | RW Cert: | 9/16/2018 |
| | | | | | | | | | | RW: | 10 | RTL: | 10/18/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 4/22/2019 |
| | | | | | | | | Subtotal: | 10 | | 680 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 61.0 Location(s) | | Total (Capital + Support): | \$690 | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|---------|----------------|------------|-----------|
| 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 | E&P: | 409 | PA&ED: | 1/3/2018 |
| | | | | | | | | Const: | 3,491 | PS&E: | 723 | RW Cert: | 1/15/2019 |
| | | | | | | | | | | RW: | 9 | RTL: | 1/29/2019 |
| | | | | | | | | | | Con: | 808 | Begin Con: | 7/2/2019 |
| | | | | | | | | Subtotal: | 3,502 | 1,949 | | | |
| | | | | | | | | Performance Measure | Total (Capital + Support): | | \$5,451 | | |
| | | | | | | | | 38.0 | Location(s) | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | 41.0 | Location(s) | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| MANDATES | | | | | | | | | | | | | |
| 12 | 14.9/18.1 | In Lodi, from Westgate Drive to Route 99. Upgrade pedestrian curb ramps to Americans with Disabilities Act (ADA) standards. | 3079 | OY550 | 1013000239 | 201.361 | 2016/17 | RW: | 451 | E&P: | 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 | | | | | |
| | | | | | | | | 83.0 Curb Ramps | | Total (Capital + Support): | \$1,848 | | |
| <hr/> | | | | | | | | | | | | | |
| 99 | 0.9 | 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 (ADA) requirements. | 3156 | 1C060 | 1014000102 | 201.361 | 2018/19 | RW: | 8 | E&P: | 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 | | | | | |
| | | | | | | | | 34.0 Curb Ramps | | Total (Capital + Support): | \$2,208 | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|-----------------|---------|------------|------------|
| <u>BRIDGE PRESERVATION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 490 | PA&ED: | 8/15/2018 |
| | | | | | | | | Const: | 4,079 | PS&E: | 1,358 | RW Cert: | 4/3/2020 |
| | | | | | | | | | | RW: | 55 | RTL: | 5/4/2020 |
| | | | | | | | | | | Con: | 1,319 | Begin Con: | 10/21/2020 |
| | | | | | | | | Subtotal: | 6,079 | | 3,222 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | Total (Capital + Support): | \$9,301 | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 673 | PA&ED: | 1/2/2018 |
| | | | | | | | | Const: | 5,776 | PS&E: | 2,092 | RW Cert: | 1/15/2020 |
| | | | | | | | | | | RW: | 147 | RTL: | 1/29/2020 |
| | | | | | | | | | | Con: | 1,984 | Begin Con: | 6/15/2020 |
| | | | | | | | | Subtotal: | 5,891 | | 4,896 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | Total (Capital + Support): | \$10,787 | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|------------|
| 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 | E&P: | 0 | PA&ED: | 6/13/2013 |
| | | | | | | | | Const: | 2,195 | PS&E: | 1,490 | RW Cert: | 2/15/2017 |
| | | | | | | | | | | RW: | 10 | RTL: | 3/15/2017 |
| | | | | | | | | | | Con: | 1,174 | Begin Con: | 9/20/2017 |
| | | | | | | | | Subtotal: | 2,195 | | 2,674 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 5.0 Bridge(s) | | Total (Capital + Support): | \$4,869 | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 4.0 Bridge(s) | | Total (Capital + Support): | \$13,384 | | |
| 99 | 0.0 | In Ripon, at the Stanislaus River Bridge No. 29-0013L. Rehabilitate Bridge. | 0321 | 0L020 | 1013000053 | 201.110 | 2017/18 | RW: | 480 | E&P: | 1,969 | PA&ED: | 7/15/2016 |
| | | | | | | | | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$23,563 | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---|--|
| 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 Const: 0 | E&P: 900 PS&E: 2,000 RW: 50 Con: 0 | PA&ED: 12/15/2015 RW Cert: 9/20/2017 RTL: 10/20/2017 Begin Con: 4/27/2018 |
| | | | | | | | | Subtotal: | 34 | 2,950 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 10.0 Bridge(s) | Total (Capital + Support): | \$2,984 |

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 | E&P: 870 PS&E: 725 RW: 199 Con: 597 | PA&ED: 4/4/2018 RW Cert: 12/2/2019 RTL: 1/2/2020 Begin Con: 9/1/2020 |
| | | | | | | | | Subtotal: | 3,249 | 2,391 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 31.0 Drainage System(s) | Total (Capital + Support): | \$5,640 |

**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 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 | E&P: | 353 | PA&ED: | 4/3/2017 |
| | | | | | | | | Const: | 1,538 | PS&E: | 889 | RW Cert: | 8/15/2018 |
| | | | | | | | | | | RW: | 52 | RTL: | 12/3/2018 |
| | | | | | | | | | | Con: | 543 | Begin Con: | 7/15/2019 |
| | | | | | | | | | | Subtotal: | 1,546 | | 1,837 |
| | | Performance Measure | | | | | | | | | | | |
| | | 23.0 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: | 10 | E&P: | 219 | PA&ED: | 1/13/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 629 | RW Cert: | 12/15/2017 |
| | | | | | | | | | | RW: | 10 | RTL: | 1/15/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 7/18/2018 |
| | | | | | | | | | | Subtotal: | 10 | | 858 |
| | | Performance Measure | | | | | | | | | | | |
| | | 18.0 Lane Miles | | | | | | Total (Capital + Support): | \$868 | | | | |

**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 | E&P: | 333 | PA&ED: | 4/3/2017 |
| | | | | | | | | Const: | 3,462 | PS&E: | 881 | RW Cert: | 3/1/2018 |
| | | | | | | | | | | RW: | 138 | RTL: | 8/8/2018 |
| | | | | | | | | | | Con: | 697 | Begin Con: | 4/15/2019 |
| | | | | | | | | Subtotal: | 3,477 | | 2,049 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 24.0 Field Elements | | Total (Capital + Support): | \$5,526 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 2,061 | PA&ED: | 3/1/2016 |
| | | | | | | | | Const: | 0 | PS&E: | 2,650 | RW Cert: | 5/1/2017 |
| | | | | | | | | | | RW: | 122 | RTL: | 6/1/2017 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 12/7/2017 |
| | | | | | | | | Subtotal: | 800 | | 4,833 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | ? 1,000 Vehicle | | Total (Capital + Support): | \$5,633 | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | |
|--|------------|---|------|-------|------------|-----------------------------------|--------------|-----------------|------------------|------------|--------|------------|-----------|
| 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 | E&P: | 910 | PA&ED: | 11/2/2017 |
| | | | | | | | | Const: | 7,136 | PS&E: | 1,296 | RW Cert: | 5/17/2019 |
| | | | | | | | | | | RW: | 75 | RTL: | 5/28/2019 |
| | | | | | | | | | | Con: | 1,575 | Begin Con: | 1/6/2020 |
| | | | | | | | | | | Subtotal: | 7,228 | | 3,856 |
| | | Performance Measure | | | | Total (Capital + Support): | | \$11,084 | | | | | |
| | | 80.0 1,000 Vehicle | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | 7.0 Field Elements | | | | | | | | | | | |
| | | | | | | | RW: | 4,448 | E&P: | 12,156 | | | |
| | | | | | | | Const: | 70,048 | PS&E: | 23,662 | | | |
| | | | | | | | | | RW: | 1,314 | | | |
| | | | | | | | | | Con: | 17,138 | | | |
| | | | | | | | Subtotal: | 74,496 | | 54,270 | | | |
| San Joaquin County Total (Capital + Support): | | | | | | | | | \$128,766 | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---|--|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 Const: 2,687 | E&P: 395 PS&E: 1,097 RW: 50 Con: 805 | PA&ED: 8/1/2018 RW Cert: 11/1/2019 RTL: 3/2/2020 Begin Con: 7/20/2020 |
| | | | | | | | | Subtotal: | 2,737 | 2,347 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$5,084 |
| 29.0 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 Const: 393 | E&P: 0 PS&E: 352 RW: 25 Con: 160 | PA&ED: 5/2/2016 RW Cert: 7/3/2017 RTL: 9/1/2017 Begin Con: 12/1/2017 |
| | | | | | | | | Subtotal: | 393 | 537 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$930 |
| 187.0 Collisions Reduced | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$6,546 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 33.0 Collisions Reduced | | | | | |

MANDATES

| | | | | | | | | | | | | | |
|----|-----------|--|------|-------|------------|---------|---------|-----------------------------------|----------------|-------|-------|------------|-----------|
| 41 | 14.2/15.9 | In Atascadero, from San Gabriel Road to Route 101 Southbound ramps. Improve and construct new Americans with Disabilities Act (ADA) accessible pedestrian pathways and install Accessible Pedestrian Signal (APS) systems. | 2532 | 1F630 | 0514000040 | 201.361 | 2018/19 | RW: | 163 | E&P: | 827 | PA&ED: | 10/2/2017 |
| | | | | | | | | Const: | 2,622 | PS&E: | 1,333 | RW Cert: | 6/3/2019 |
| | | | | | | | | | | RW: | 1,082 | RTL: | 6/3/2019 |
| | | | | | | | | | | Con: | 1,141 | Begin Con: | 1/16/2020 |
| | | | | | | | | Subtotal: | 2,785 | | 4,383 | | |
| | | | | | | | | Total (Capital + Support): | \$7,168 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 126.0 Curb Ramps | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|----------------------------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|---------|-------|---------|------------|----------------|
| BRIDGE PRESERVATION | | | | | | | | | | | | | |
| 1 | 32.6/32.6 | In Morro Bay, at Toro Creek Bridge No. 49 -0068R. Replace bridge. | 0072 | 0L721 | 0515000097 | 201.112 | 2017/18 | RW: | 43 | E&P: | 972 | PA&ED: | 7/5/2017 |
| | | | | | | | | Const: | 5,200 | PS&E: | 800 | RW Cert: | 3/23/2018 |
| | | | | | | | | | | RW: | 23 | RTL: | 6/18/2018 |
| | | | | | | | | | | Con: | 800 | Begin Con: | 1/9/2019 |
| | | | | | | | | Subtotal: | 5,243 | | | | 2,595 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 338.0 Linear Feet | | | | | |
| | | | | | | | | Total (Capital + Support): | | | | | \$7,838 |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 972 | PA&ED: | 7/5/2017 |
| | | | | | | | | Const: | 4,200 | PS&E: | 800 | RW Cert: | 2/15/2018 |
| | | | | | | | | | | RW: | 22 | RTL: | 6/11/2018 |
| | | | | | | | | | | Con: | 800 | Begin Con: | 1/2/2019 |
| | | | | | | | | Subtotal: | 4,243 | | | | 2,594 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 449.0 Linear Feet | | | | | |
| | | | | | | | | Total (Capital + Support): | | | | | \$6,837 |

**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 | E&P: | 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 | | | |
| | | | | | | | Total (Capital + Support): | \$7,389 | | | | | |
| | | | | | | | Performance Measure | | | | | | |
| | | | | | | | 269.0 Linear Feet | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 101 | 16.4 | In Pismo Beach, at Pismo Creek Bridge No. 49-0015K. Scour prevention. | 2387 | 1C370 | 0512000135 | 201.111 | 2017/18 | RW: | 275 | E&P: | 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 | | | |
| | | | | | | | Total (Capital + Support): | \$5,794 | | | | | |
| | | | | | | | Performance Measure | | | | | | |
| | | | | | | | 1.0 Bridge(s) | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------|------------|---|-------|-------|---|--------------|--------------|--|---|---|
| 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 Const: 14,789 | E&P: 0 PS&E: 1,194 RW: 30 Con: 1,837 | PA&ED: 6/23/2015 RW Cert: 7/3/2017 RTL: 11/6/2017 Begin Con: 3/19/2018 |
| | | | | | | | | Subtotal: 14,789 | 3,061 | |
| | | | | | Performance Measure 27.1 Lane Miles | | | Total (Capital + Support): \$17,850 | | |
| 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 Const: 3,843 | E&P: 0 PS&E: 1,013 RW: 57 Con: 1,376 | PA&ED: 8/11/2010 RW Cert: 10/27/2017 RTL: 4/23/2018 Begin Con: 11/8/2018 |
| | | | | | | | | Subtotal: 3,843 | 2,446 | |
| | | | | | Performance Measure 1.0 Location(s) | | | Total (Capital + Support): \$6,289 | | |

**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 | 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 Const: 7,086 | E&P: 0 PS&E: 1,199 RW: 56 Con: 1,816 | PA&ED: 8/11/2010 RW Cert: 9/26/2016 RTL: 10/3/2016 Begin Con: 3/2/2017 |
| | | | | | | | | Subtotal: | 7,086 | 3,071 |
| | | | | | | | | Total (Capital + Support): | \$10,157 | |

Performance Measure
1.0 Location(s)

| | | | |
|-----------|--------|-------|--------|
| RW: | 624 | E&P: | 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

**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 | 0.3 | Near Pigeon Point, at 0.3 mile north of the Santa Cruz County line. Construct Rock Slope Protection (RSP) and install drainage system. | 0482K | OJ210 | 0413000444 | 201.131 | 2017/18 | RW: | 40 | E&P: | 235 | PA&ED: | 9/1/2017 |
| | | | | | | | | Const: | 740 | PS&E: | 165 | RW Cert: | 2/7/2018 |
| | | | | | | | | | | RW: | 165 | RTL: | 3/28/2018 |
| | | | | | | | | | | Con: | 205 | Begin Con: | 6/29/2018 |
| | | | | | | | | Subtotal: | 780 | | | | 770 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | Total (Capital + Support): | \$1,550 | | |
| <hr/> | | | | | | | | | | | | | |
| 1 | 4.2/4.4 | Near Ano Nuevo Park, at Rossi Road. Repair slipout. | 0045Q | 4G650 | 0412000624 | 201.131 | 2016/17 | RW: | 100 | E&P: | 700 | PA&ED: | 2/29/2016 |
| | | | | | | | | Const: | 2,800 | PS&E: | 560 | RW Cert: | 1/2/2017 |
| | | | | | | | | | | RW: | 100 | RTL: | 1/2/2017 |
| | | | | | | | | | | Con: | 450 | Begin Con: | 5/15/2017 |
| | | | | | | | | Subtotal: | 2,900 | | | | 1,810 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | Total (Capital + Support): | \$4,710 | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|-----------|
| 92 | 6.0 | Near San Mateo, east of Route 35. Construct Rock Slope Protection (RSP). | 0482D | 0J140 | 0413000437 | 201.131 | 2017/18 | RW: | 65 | E&P: | 435 | PA&ED: | 7/1/2016 |
| | | | | | | | | Const: | 615 | PS&E: | 250 | RW Cert: | 2/15/2017 |
| | | | | | | | | | | RW: | 40 | RTL: | 3/1/2017 |
| | | | | | | | | | | Con: | 300 | Begin Con: | 8/1/2017 |
| | | | | | | | | Subtotal: | 680 | | 1,025 | | |
| | | | | | | | | Total (Capital + Support): | \$1,705 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | | | | |

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 | E&P: | 846 | PA&ED: | 6/10/2016 |
| | | | | | | | | Const: | 2,253 | PS&E: | 1,300 | RW Cert: | 6/30/2017 |
| | | | | | | | | | | RW: | 450 | RTL: | 6/30/2017 |
| | | | | | | | | | | Con: | 700 | Begin Con: | 11/8/2017 |
| | | | | | | | | Subtotal: | 4,018 | | 3,296 | | |
| | | | | | | | | Total (Capital + Support): | \$7,314 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 12.0 Collisions Reduced | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|-------|---------|------------|------------|
| 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 | E&P: | 440 | PA&ED: | 6/30/2017 |
| | | | | | | | | Const: | 2,678 | PS&E: | 880 | RW Cert: | 9/30/2018 |
| | | | | | | | | | | RW: | 110 | RTL: | 1/30/2019 |
| | | | | | | | | | | Con: | 770 | Begin Con: | 7/1/2019 |
| | | | | | | | | Subtotal: | 2,688 | | 2,200 | | |
| | | | | | | | | Total (Capital + Support): | \$4,888 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 61.0 Location(s) | | | | | |
| 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 | E&P: | 596 | PA&ED: | 7/17/2017 |
| | | | | | | | | Const: | 3,970 | PS&E: | 500 | RW Cert: | 5/18/2018 |
| | | | | | | | | | | RW: | 10 | RTL: | 5/29/2018 |
| | | | | | | | | | | Con: | 580 | Begin Con: | 11/28/2018 |
| | | | | | | | | Subtotal: | 3,995 | | 1,686 | | |
| | | | | | | | | Total (Capital + Support): | \$5,681 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 188.0 Collisions Reduced | | | | | |

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 Const: 2,008 | E&P: 874 PS&E: 763 RW: 77 Con: 564 | PA&ED: 3/10/2017 RW Cert: 12/30/2018 RTL: 4/3/2019 Begin Con: 10/18/2019 |
| | | | | | | | | Subtotal: | 2,212 | 2,278 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 7.8 Acres | Total (Capital + Support): | \$4,490 |
| BRIDGE PRESERVATION | | | | | | | | | | |
| 1 | 44.0 | In Pacifica, at San Jose avenue Pedestrian Overcrossing No. 35-0240. Replace bridge. | 0681Q | 4G850 | 0413000052 | 201.110 | 2016/17 | RW: 5 Const: 3,662 | E&P: 500 PS&E: 400 RW: 100 Con: 450 | PA&ED: 10/15/2015 RW Cert: 1/15/2017 RTL: 2/1/2017 Begin Con: 7/1/2017 |
| | | | | | | | | Subtotal: | 3,667 | 1,450 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 1.0 Bridge(s) | Total (Capital + Support): | \$5,117 |

**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 | E&P: 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 | | | | Total (Capital + Support): \$15,292 | | |
| | | | | 21.2 Lane Miles | | | | | | |
| 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 | E&P: 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 | | | | Total (Capital + Support): \$18,013 | | |
| | | | | 20.2 Lane Miles | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| 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 | E&P: 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 |
| | | | | | | | | Total (Capital + Support): | \$20,758 | |

Performance Measure
58.6 Lane Miles

| | | | |
|-----------|--------|-------|--------|
| RW: | 2,374 | E&P: | 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

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|---|-------|-------|------------|--------------|--------------|---|---|--|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 | E&P: 280 PS&E: 650 RW: 12 Con: 550 | PA&ED: 8/27/2015 RW Cert: 9/30/2016 RTL: 1/26/2017 Begin Con: 8/1/2017 |
| | | | | | | | | Subtotal: 1,900 | 1,492 | |
| | | | | | | | | Total (Capital + Support): \$3,392 | | |
| | | | | | | | | | | Performance Measure 75.0 Location(s) |
| 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 | E&P: 0 PS&E: 70 RW: 5 Con: 320 | PA&ED: 12/10/2013 RW Cert: 1/5/2016 RTL: 3/25/2016 Begin Con: 9/13/2016 |
| | | | | | | | | Subtotal: 220 | 395 | |
| | | | | | | | | Total (Capital + Support): \$615 | | |
| | | | | | | | | | | Performance Measure 127.0 Collisions Reduced |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 101 | 46.5/68.9 | 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 | E&P: | 520 | PA&ED: | 10/2/2017 |
| | | | | | | | | Const: | 2,578 | PS&E: | 840 | RW Cert: | 10/7/2019 |
| | | | | | | | | | | RW: | 34 | RTL: | 2/3/2020 |
| | | | | | | | | | | Con: | 698 | Begin Con: | 7/1/2020 |
| | | | | | | | | Subtotal: | 2,581 | 2,092 | | | |
| | | | | | | | | Total (Capital + Support): | \$4,673 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 56.0 Location(s) | | | | | |
| 101 | 46.9 | Near Gaviota, at the Gaviota Safety Roadside Rest Area. Upgrade wastewater system. | 2462 | 1E010 | 0513000024 | 201.235 | 2018/19 | RW: | 5 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$5,295 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 2.0 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 | E&P: | 0 | PA&ED: | 11/1/2011 |
| | | | | | | | | Const: | 135 | PS&E: | 222 | RW Cert: | 12/16/2014 |
| | | | | | | | | | | RW: | 0 | RTL: | 12/30/2016 |
| | | | | | | | | | | Con: | 402 | Begin Con: | 8/18/2017 |
| | | | | | | | | Subtotal: | 135 | 624 | | | |
| | | | | | | | | Total (Capital + Support): | \$759 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 0.0 Collisions Reduced | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|---|--|
| 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 Const: 2,084 | E&P: 780 PS&E: 1,125 RW: 41 Con: 629 | PA&ED: 7/9/2018 RW Cert: 2/28/2019 RTL: 6/10/2019 Begin Con: 11/14/2019 |
| | | | | | | | | Subtotal: | 2,132 | 2,575 |
| | | | | | | | | Total (Capital + Support): | \$4,707 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | ? Collisions Reduced | | |

MANDATES

| | | | | | | | | | | |
|-----|------|--|------|-------|------------|---------|---------|-----------------------------------|---|--|
| 101 | 11.0 | In the city of Santa Barbara, at Butterfly Lane Pedestrian Undercrossing. Construct pedestrian ramps and sidewalks to comply with Americans with Disabilities Act (ADA) standards. | 2468 | 1E040 | 0513000027 | 201.361 | 2019/20 | RW: 970 Const: 2,904 | E&P: 70 PS&E: 1,875 RW: 192 Con: 1,136 | PA&ED: 11/1/2016 RW Cert: 10/2/2019 RTL: 4/1/2020 Begin Con: 10/16/2020 |
| | | | | | | | | Subtotal: | 3,874 | 3,273 |
| | | | | | | | | Total (Capital + Support): | \$7,147 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 2.0 Curb Ramps | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| 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 Const: 6,500 | E&P: 2,445 PS&E: 2,819 RW: 139 Con: 2,000 | PA&ED: 11/2/2015 RW Cert: 7/3/2017 RTL: 9/1/2017 Begin Con: 3/15/2018 |
| | | | | | | | | Subtotal: | 6,695 | 7,403 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$14,098 |
| 1.0 Bridge(s) | | | | | | | | | | |
| 101 | 56.0 | Near Buellton, at Nojoqui Creek Bridge No. 51-0018L/R. Bridge rail replacement and widening. | 2561 | 1F790 | 0514000061 | 201.112 | 2019/20 | RW: 412 Const: 4,890 | E&P: 910 PS&E: 1,490 RW: 130 Con: 1,000 | PA&ED: 8/31/2018 RW Cert: 8/1/2019 RTL: 1/31/2020 Begin Con: 7/1/2020 |
| | | | | | | | | Subtotal: | 5,302 | 3,530 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$8,832 |
| 768.0 Linear Feet | | | | | | | | | | |

**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 | E&P: | 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 | | |
| | | | | | | | | 2.0 | 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 | E&P: | 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 | | |
| | | | | | | | | 1.0 | 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 | E&P: | 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 | | |
| | | | | | | | | 1.0 | Bridge(s) | | | | | |

**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 No. 51-113. Replace bridge (scour). | 0335 | 39610 | 0500000514 | 201.111 | 2017/18 | RW: | 905 | E&P: | 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 | | | | |
| 1.0 Bridge(s) | | | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 217 | 1.0 | Near Goleta, at the San Jose Creek Bridge No. 51-0217. Replace bridge. (G13 Contingency Project) | 2386 | 1C360 | 0512000134 | 201.110 | 2019/20 | RW: | 61 | E&P: | 2,195 | PA&ED: | 3/8/2018 |
| | | | | | | | | 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 | | | | |
| 1.0 Bridge(s) | | | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------|------------|--|------|-------|---|--------------|--------------|--|---|---|
| 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 Const: 14,229 | E&P: 0 PS&E: 950 RW: 87 Con: 1,742 | PA&ED: 6/26/2014 RW Cert: 7/3/2017 RTL: 11/6/2017 Begin Con: 3/19/2018 |
| | | | | | | | | Subtotal: 14,229 | 2,779 | |
| | | | | | Performance Measure 42.6 Lane Miles | | | Total (Capital + Support): \$17,008 | | |
| 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 Const: 8,114 | E&P: 515 PS&E: 916 RW: 21 Con: 905 | PA&ED: 7/2/2018 RW Cert: 8/1/2019 RTL: 11/1/2019 Begin Con: 5/6/2020 |
| | | | | | | | | Subtotal: 8,748 | 2,357 | |
| | | | | | Performance Measure 18.6 Lane Miles | | | Total (Capital + Support): \$11,105 | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|---|--|
| 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 Const: 0 | E&P: 9,200 PS&E: 13,800 RW: 835 Con: 0 | PA&ED: 1/25/2018 RW Cert: 3/8/2019 RTL: 10/22/2019 Begin Con: 5/20/2020 |
| | | | | | | | | Subtotal: | 4,232 | 23,835 |
| | | | | | | | | Total (Capital + Support): | \$28,067 | |

Performance Measure
8.0 Lane Miles

| | | | |
|-----------|--------|-------|--------|
| RW: | 7,763 | E&P: | 20,566 |
| Const: | 61,789 | PS&E: | 37,268 |
| | | RW: | 2,580 |
| | | Con: | 14,962 |
| Subtotal: | 69,552 | | 75,376 |

Santa Barbara County Total (Capital + Support): \$144,928

**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 | E&P: | 220 | PA&ED: | 7/15/2016 |
| | | | | | | | | Const: | 564 | PS&E: | 118 | RW Cert: | 7/6/2017 |
| | | | | | | | | | | RW: | 10 | RTL: | 9/1/2017 |
| | | | | | | | | | | Con: | 200 | Begin Con: | 5/3/2018 |
| | | | | | | | | Subtotal: | 574 | | 548 | | |
| | | | | | | | | Total (Capital + Support): | \$1,122 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | | | | |
| 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. | 0158H | 4H752 | 0416000120 | 201.015 | 2016/17 | RW: | 0 | E&P: | 104 | PA&ED: | |
| | | | | | | | | Const: | 766 | PS&E: | 0 | RW Cert: | |
| | | | | | | | | | | RW: | 0 | RTL: | |
| | | | | | | | | | | Con: | 0 | Begin Con: | |
| | | (Financial Contribution Only) | | | | | | Subtotal: | 766 | | 104 | | |
| | | | | | | | | Total (Capital + Support): | \$870 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 24.0 Collisions Reduced | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|-----------------------------------|--------------|----------------|---------|-----------|------------|------------|------------|
| 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 | E&P: | 144 | PA&ED: | 10/15/2015 |
| | | | | | | | | Const: | 2,075 | PS&E: | 400 | RW Cert: | 12/1/2016 |
| | | | | | | | | | | RW: | 36 | RTL: | 12/14/2016 |
| | | | | | | | | | | Con: | 400 | Begin Con: | 6/7/2017 |
| | | | | | | | | | | Subtotal: | 2,080 | | 980 |
| | | Performance Measure | | | | Total (Capital + Support): | | \$3,060 | | | | | |
| | | 1.0 Location(s) | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | 31.0 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 | E&P: | 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 | | | | | |
| | | 28.0 Location(s) | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|-------|-------|------------|-----------------------------------|--------------|----------------|---------|-----------|---------|------------|------------|
| 152 | 0.0/5.2 | In Santa Clara, from Hecker pass to Uvas Creek. Environmental species mitigation. | 0483R | 2A252 | 0413000403 | 201.010 | 2016/17 | RW: | 2,000 | E&P: | 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 | | | | | |
| | | 78.0 Collisions Reduced | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | 78.0 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 | E&P: | 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 | | | | | |
| | | 62.0 Collisions Reduced | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-------|---------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,514 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 15.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$15,477 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 79.0 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 | E&P: | 108 | PA&ED: | 2/5/2016 |
| | | | | | | | | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$2,358 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 4.0 Collisions Reduced | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-------|---------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,397 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 3.0 Collisions Reduced | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,608 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 35.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$12,014 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 160.0 Location(s) | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|-------|---------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$2,874 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 6.0 Collisions Reduced | | | | | |

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 Americans with Disabilities Act (ADA) standards. | 0434G | 2G730 | 0400021202 | 201.361 | 2018/19 | RW: | 50 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,552 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 73.0 Curb Ramps | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|----------------------------|------------|--|-------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$22,969 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$5,861 | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|-------|---------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$4,110 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | ? 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,130 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$5,298 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 3.0 Bridge(s) | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|----------------|------------|------------|------------|
| VAR | VAR | 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 | E&P: | 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 | | | | | |
| | | | | | | | | 5.0 Bridge(s) | Total (Capital + Support): | \$4,695 | | | |

ROADWAY PRESERVATION

| | | | | | | | | | | | | | |
|----|----------|---|-------|-------|------------|---------|---------|----------------------------|-----------------------------------|----------------|-------|------------|-----------|
| 17 | 2.8/13.9 | In and near Los Gatos, Campbell and San Jose, from Hebard Way to Route 280. Pavement rehabilitation. (G13 Contingency Project) | 1480B | 1J970 | 0414000404 | 201.121 | 2019/20 | RW: | 20 | E&P: | 1,750 | PA&ED: | 7/2/2018 |
| | | | | | | | | Const: | 0 | PS&E: | 2,750 | RW Cert: | 1/17/2020 |
| | | | | | | | | | | RW: | 150 | RTL: | 1/27/2020 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 7/15/2020 |
| | | | | | | | | Subtotal: | 20 | | 4,650 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 50.0 Lane Miles | Total (Capital + Support): | \$4,670 | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | |
|--|------------|--|-------|-------|-----------------------------------|-----------------|--------------|------------------|---------|------------|--------|------------|-----------|
| 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 | E&P: | 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 | | | | | | | |
| | | 26.0 Lane Miles | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 90.0 Lane Miles | | | | | | | | | | | |
| | | | | | | | RW: | 11,682 | E&P: | 13,279 | | | |
| | | | | | | | Const: | 121,538 | PS&E: | 20,911 | | | |
| | | | | | | | | | RW: | 2,640 | | | |
| | | | | | | | | | Con: | 18,480 | | | |
| | | | | | | | Subtotal: | 133,220 | | 55,310 | | | |
| Santa Clara County Total (Capital + Support): | | | | | | | | \$188,530 | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---|---|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 Const: 2,765 | E&P: 652 PS&E: 1,097 RW: 49 Con: 1,225 | PA&ED: 1/31/2018 RW Cert: 3/28/2019 RTL: 6/20/2019 Begin Con: 2/6/2020 |
| | | | | | | | | Subtotal: | 2,765 | 3,023 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 75.0 Location(s) | Total (Capital + Support): | \$5,788 |
| <hr/> | | | | | | | | | | |
| 9 | 22.1/23.8 | In Castle Rock State Park, from 5.0 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 Const: 7,658 | E&P: 1,050 PS&E: 1,842 RW: 40 Con: 1,350 | PA&ED: 1/4/2016 RW Cert: 7/3/2017 RTL: 7/14/2017 Begin Con: 1/17/2018 |
| | | | | | | | | Subtotal: | 7,658 | 4,282 |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 73.0 Collisions Reduced | Total (Capital + Support): | \$11,940 |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|------|-------|-----------------------------------|----------------|--------------|--------|---------|-----------|------------|------------|------------|
| 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 | E&P: | 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 | | | | | | | |
| | | 100.0 Collisions Reduced | | | | | | | | | | | |
| 129 | 1.8/9.5 | Near Watsonville, from east of Lakeview Road to west of Old Chittenden Road; also from the Santa Cruz/San Benito County line to School Road (PM 0.0/0.4). Place open graded friction pavement and upgrade guardrail. | 2476 | 1F030 | 0513000037 | 201.010 | 2016/17 | RW: | 61 | E&P: | 0 | PA&ED: | 6/30/2014 |
| | | | | | | | | Const: | 5,508 | PS&E: | 2,115 | RW Cert: | 11/28/2016 |
| | | | | | | | | | | RW: | 579 | RTL: | 12/15/2016 |
| | | | | | | | | | | Con: | 1,249 | Begin Con: | 4/4/2017 |
| | | | | | | | | | | Subtotal: | 5,569 | | 3,943 |
| | | Performance Measure | | | Total (Capital + Support): | \$9,512 | | | | | | | |
| | | 131.0 Collisions Reduced | | | | | | | | | | | |
| 129 | 3.2/3.5 | Near Watsonville, at Carlton Road. Improve intersection. | 2506 | 1F350 | 0513000103 | 201.010 | 2017/18 | RW: | 277 | E&P: | 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 | | | | | | | |
| | | 31.0 Collisions Reduced | | | | | | | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | Milestones | |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|-------|---------|------------|------------|
| 152 | 3.7/8.2 | Near Watsonville, from Carlton/Cassery Road to Pole Line Road. Install centerline rumble strips. | 2598 | 1G400 | 0515000009 | 201.010 | 2016/17 | RW: | 0 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,166 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 13.0 Collisions Reduced | | | | | |

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 | E&P: | 745 | PA&ED: | 10/4/2017 |
| | | | | | | | | Const: | 2,356 | PS&E: | 1,192 | RW Cert: | 4/27/2020 |
| | | | | | | | | | | RW: | 1,287 | RTL: | 5/4/2020 |
| | | | | | | | | | | Con: | 812 | Begin Con: | 10/30/2020 |
| | | | | | | | | Subtotal: | 2,570 | | 4,036 | | |
| | | | | | | | | Total (Capital + Support): | \$6,606 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 8.0 Acres | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 0 | PA&ED: | 8/28/2014 |
| | | | | | | | | Const: | 507 | PS&E: | 500 | RW Cert: | 11/17/2016 |
| | | | | | | | | | | RW: | 18 | RTL: | 7/6/2017 |
| | | | | | | | | | | Con: | 537 | Begin Con: | 2/21/2018 |
| | | | | | | | | Subtotal: | 507 | 1,055 | | | |
| | | | | | | | | Total (Capital + Support): | \$1,562 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 10.0 Acres | | | | | |
| 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 | E&P: | 350 | PA&ED: | 1/15/2016 |
| | | | | | | | | Const: | 1,709 | PS&E: | 716 | RW Cert: | 1/11/2018 |
| | | | | | | | | | | RW: | 331 | RTL: | 1/11/2018 |
| | | | | | | | | | | Con: | 467 | Begin Con: | 7/23/2018 |
| | | | | | | | | Subtotal: | 1,904 | 1,864 | | | |
| | | | | | | | | Total (Capital + Support): | \$3,768 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 55.0 Structure(s) | | | | | |
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$3,009 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 176.0 Curb Ramps | | | | | |

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



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------|------------|---|------|-------|------------|--------------|--------------|--|---|--|
| 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 Const: 4,167 | E&P: 0 PS&E: 902 RW: 47 Con: 1,059 | PA&ED: 6/30/2015 RW Cert: 4/2/2018 RTL: 7/2/2018 Begin Con: 11/1/2018 |
| | | | | | | | | Subtotal: 4,167 | 2,008 | |
| | | | | | | | | Total (Capital + Support): \$6,175 | | |
| | | | | | | | | | | Performance Measure ? 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 Const: 14,971 | E&P: 147 PS&E: 1,030 RW: 10 Con: 1,082 | PA&ED: 7/5/2016 RW Cert: 7/31/2017 RTL: 2/1/2018 Begin Con: 7/17/2018 |
| | | | | | | | | Subtotal: 14,971 | 2,269 | |
| | | | | | | | | Total (Capital + Support): \$17,240 | | |
| | | | | | | | | | | Performance Measure 32.0 Lane Miles |

**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 Const: 15,381 | E&P: 0 PS&E: 1,932 RW: 64 Con: 1,660 | PA&ED: 12/16/2014 RW Cert: 5/15/2018 RTL: 7/16/2018 Begin Con: 1/16/2019 |
| | | | | | | | | Subtotal: | 15,388 | 3,656 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$19,044 |
| 26.0 Lane Miles | | | | | | | | | | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 858 | E&P: | 4,860 |
| Const: | 64,580 | PS&E: | 14,786 |
| | | RW: | 2,985 |
| | | Con: | 12,066 |
| Subtotal: | 65,438 | | 34,697 |

Santa Cruz County Total (Capital + Support): \$100,135

**2016 SHOPP Project List
Shasta
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 | E&P: 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 | | | | | | | | Total (Capital + Support): | | \$3,195 |
| 24.0 Location(s) | | | | | | | | | | |
| 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 | E&P: 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 | | | | | | | | Total (Capital + Support): | | \$10,680 |
| 402.0 Collisions Reduced | | | | | | | | | | |

**2016 SHOPP Project List
Shasta
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| MANDATES | | | | | | | | | | |
| 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 Const: 1,683 | E&P: 205 PS&E: 295 RW: 250 Con: 250 | PA&ED: 12/11/2015 RW Cert: 5/1/2017 RTL: 8/1/2017 Begin Con: 1/2/2018 |
| | | | | | | | | Subtotal: | 2,000 | 1,000 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$3,000 |
| 21.0 Structure(s) | | | | | | | | | | |
| BRIDGE PRESERVATION | | | | | | | | | | |
| 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 Const: 5,939 | E&P: 590 PS&E: 1,420 RW: 130 Con: 2,230 | PA&ED: 2/1/2018 RW Cert: 5/1/2019 RTL: 8/1/2019 Begin Con: 1/2/2020 |
| | | | | | | | | Subtotal: | 5,939 | 4,370 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$10,309 |
| 1.0 Bridge(s) | | | | | | | | | | |

**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 | E&P: | 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 | | | | |
| | | 1.0 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 | E&P: | 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 | | | | |
| | | 1.0 Bridge(s) | | | | | | | | | | | |
| 44 | 59.4/59.8 | Near Old Station, from 0.1 mile west to 0.3 mile east of Sugar Loaf Drive at Hat Creek Bridge No.06-0084. Replace Bridge | 3483 | 4F200 | 0212000071 | 201.110 | 2017/18 | RW: | 484 | E&P: | 1,120 | PA&ED: | 7/29/2016 |
| | | | | | | | | Const: | 5,180 | PS&E: | 1,130 | RW Cert: | 2/23/2018 |
| | | | | | | | | | | RW: | 400 | RTL: | 3/23/2018 |
| | | | | | | | | | | Con: | 1,530 | Begin Con: | 8/31/2018 |
| | | | | | | | | | | Subtotal: | 5,664 | | 4,180 |
| | | Performance Measure | | | | Total (Capital + Support): | | | \$9,844 | | | | |
| | | 1.0 Bridge(s) | | | | | | | | | | | |

**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 | E&P: 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 |
| | | | | | | | | Subtotal: | 8,753 | 3,360 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$12,113 |
| 20.6 Lane Miles | | | | | | | | | | |
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 57 | 6,860 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$6,917 |
| 21.4 Lane Miles | | | | | | | | | | |

**2016 SHOPP Project List
Shasta
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| 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: 78 Const: 6,900 | E&P: 500 PS&E: 670 RW: 443 Con: 1,140 | PA&ED: 10/2/2015 RW Cert: 7/7/2017 RTL: 7/24/2017 Begin Con: 12/20/2017 |
| | | | | | | | | Subtotal: | 6,978 | 2,753 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$9,731 |
| 6.0 Lane Miles | | | | | | | | | | |

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. (G13 Contingency Project) | 3595 | 36841 | 0215000066 | 201.310 | 2016/17 | RW: 500 Const: 0 | E&P: 200 PS&E: 1,200 RW: 500 Con: 0 | PA&ED: 11/2/2015 RW Cert: 2/1/2017 RTL: 3/1/2017 Begin Con: 9/13/2017 |
| | | | | | | | | Subtotal: | 500 | 1,900 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$2,400 |
| 1.0 1,000 Vehicle | | | | | | | | | | |

| | | | |
|-----------|--------|-------|--------|
| RW: | 3,106 | E&P: | 11,095 |
| Const: | 63,158 | PS&E: | 14,445 |
| | | RW: | 4,169 |
| | | Con: | 14,900 |
| Subtotal: | 66,264 | | 44,609 |

Shasta County Total (Capital + Support): \$110,873

**2016 SHOPP Project List
Sierra
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|--|--|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | |
| 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 Const: 1,410 | E&P: 85 PS&E: 605 RW: 10 Con: 590 | PA&ED: 8/1/2017 RW Cert: 8/1/2018 RTL: 9/1/2018 Begin Con: 3/1/2019 | |
| | | | | | | | | Subtotal: | 1,470 | 1,290 | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$2,760 | |
| 4.0 Collisions Reduced | | | | | | | | | | | |

| | | | |
|-----------|-------|-------|-------|
| RW: | 60 | E&P: | 85 |
| Const: | 1,410 | PS&E: | 605 |
| | | RW: | 10 |
| | | Con: | 590 |
| Subtotal: | 1,470 | | 1,290 |

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

2016 SHOPP Project List Siskiyou (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|-------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|---|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 2,112 | 1,600 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$3,712 |
| 1.0 Location(s) | | | | | | | | | | |
| <u>BRIDGE PRESERVATION</u> | | | | | | | | | | |
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 8,668 | 3,930 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$12,598 |
| 1.0 Bridge(s) | | | | | | | | | | |

**2016 SHOPP Project List
Siskiyou
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|----------------------------|-----------------------------------|-----------------|---------|------------|------------|------------|
| 5 | R25.2 | Near Edgewood, from 0.4 mile south to 0.4 mile north of North Edgewood Overhead No. 02-0032L&R. Strengthen and upgrade bridges. | 3535 | 4G240 | 0213000095 | 201.322 | 2016/17 | RW: | 39 | E&P: | 680 | PA&ED: | 8/17/2015 |
| | | | | | | | | Const: | 4,000 | PS&E: | 938 | RW Cert: | 3/3/2017 |
| | | | | | | | | | | RW: | 40 | RTL: | 3/22/2017 |
| | | | | | | | | | | Con: | 1,000 | Begin Con: | 8/18/2017 |
| | | | | | | | Subtotal: | 4,039 | | 2,658 | | | |
| | | | | | | | Performance Measure | | | | | | |
| | | | | | | | 2.0 Bridge(s) | Total (Capital + Support): | \$6,697 | | | | |
| 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 | E&P: | 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 | | | | | | |
| | | | | | | | 1.0 Bridge(s) | Total (Capital + Support): | \$4,521 | | | | |
| 263 | 57.1 | Near Yreka, at Klamath River Bridge. Replace bridge. | 3424 | 2E480 | 0200000586 | 201.110 | 2017/18 | RW: | 330 | E&P: | 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 | | | | | | |
| | | | | | | | 1.0 Bridge(s) | Total (Capital + Support): | \$14,310 | | | | |

**2016 SHOPP Project List
Siskiyou
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | |
|-----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|---|--|
| 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 Const: 53,600 | E&P: 4,590 PS&E: 4,300 RW: 270 Con: 4,870 | PA&ED: 3/18/2016 RW Cert: 2/17/2017 RTL: 3/3/2017 Begin Con: 9/20/2017 | |
| | | | | | | | | Subtotal: | 54,064 | 14,030 | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$68,094 | |
| 21.0 Lane Miles | | | | | | | | | | | |
| 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 Const: 1,608 | E&P: 500 PS&E: 532 RW: 92 Con: 469 | PA&ED: 10/7/2016 RW Cert: 3/9/2018 RTL: 4/6/2018 Begin Con: 9/7/2018 | |
| | | | | | | | | Subtotal: | 1,808 | 1,593 | |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$3,401 | |
| 20.0 Drainage System(s) | | | | | | | | | | | |

**2016 SHOPP Project List
Siskiyou
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | |
|------------------------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|---|---|--|
| 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 Const: 2,200 | E&P: 390 PS&E: 710 RW: 140 Con: 720 | PA&ED: 10/20/2017 RW Cert: 8/17/2018 RTL: 9/28/2018 Begin Con: 3/15/2019 | |
| | | | | | | | | Subtotal: | 2,210 | 1,960 | |
| | | | | | | | | Performance Measure | | | |
| | | | | | | | | 16.0 Field Elements | Total (Capital + Support): | \$4,170 | |
| 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 Const: 3,300 | E&P: 2,150 PS&E: 550 RW: 36 Con: 1,450 | PA&ED: 6/3/2016 RW Cert: 6/10/2016 RTL: 8/9/2016 Begin Con: 2/3/2017 | |
| | | | | | | | | Subtotal: | 3,310 | 4,186 | |
| | | | | | | | | Performance Measure | | | |
| | | | | | | | | 1.0 Location(s) | Total (Capital + Support): | \$7,496 | |

**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 | E&P: 11,650 | |
| | | | | | | | | Const: 86,508 | PS&E: 10,760 | |
| | | | | | | | | | RW: 1,158 | |
| | | | | | | | | | Con: 13,709 | |
| | | | | | | | | <hr/> | | |
| | | | | | | | | Subtotal: 87,722 | 37,277 | |

Siskiyou County Total (Capital + Support): \$124,999

**2016 SHOPP Project List
Solano
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|---|--|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 | E&P: 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 | | | | | | | | Total (Capital + Support): | | \$6,542 |
| 50.0 Collisions Reduced | | | | | | | | | | |
| <hr/> | | | | | | | | | | |
| 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 | E&P: 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 | | | | | | | | Total (Capital + Support): | | \$3,758 |
| 27.0 Location(s) | | | | | | | | | | |

**2016 SHOPP Project List
Solano
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | Milestones | |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-------|---------|------------|------------|
| 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 | E&P: | 0 | PA&ED: | 10/31/2013 |
| | | | | | | | | Const: | 14,700 | PS&E: | 2,200 | RW Cert: | 2/1/2018 |
| | | | | | | | | | | RW: | 200 | RTL: | 6/1/2018 |
| | | | | | | | | | | Con: | 2,600 | Begin Con: | 11/15/2018 |
| | | | | | | | | Subtotal: | 14,710 | | 5,000 | | |
| | | | | | | | | Total (Capital + Support): | \$19,710 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 78.0 Collisions Reduced | | | | | |

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 | OJ600 | 0414000017 | 201.119 | 2019/20 | RW: | 423 | E&P: | 990 | PA&ED: | 8/31/2018 |
| | | | | | | | | Const: | 1,379 | PS&E: | 880 | RW Cert: | 2/28/2020 |
| | | | | | | | | | | RW: | 66 | RTL: | 5/31/2020 |
| | | | | | | | | | | Con: | 880 | Begin Con: | 11/2/2020 |
| | | | | | | | | Subtotal: | 1,802 | | 2,816 | | |
| | | | | | | | | Total (Capital + Support): | \$4,618 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 4.0 Bridge(s) | | | | | |

**2016 SHOPP Project List
Solano
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-----------|---------|------------|------------|
| 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 | E&P: | 1,870 | PA&ED: | 1/1/2018 |
| | | | | | | | | Const: | 15,951 | PS&E: | 2,154 | RW Cert: | 6/28/2019 |
| | | | | | | | | | | RW: | 154 | RTL: | 6/28/2019 |
| | | | | | | | | | | Con: | 1,859 | Begin Con: | 6/1/2020 |
| | | | | | | | | | | Subtotal: | 15,961 | | 6,037 |
| | | Performance Measure | | | | | | | | | | | |
| | | 6.0 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 | E&P: | 850 | PA&ED: | 11/1/2016 |
| | | | | | | | | Const: | 2,600 | PS&E: | 592 | RW Cert: | 1/15/2018 |
| | | | | | | | | | | RW: | 50 | RTL: | 2/5/2018 |
| | | | | | | | | | | Con: | 600 | Begin Con: | 7/17/2018 |
| | | | | | | | | | | Subtotal: | 2,745 | | 2,092 |
| | | Performance Measure | | | | | | | | | | | |
| | | 1.0 Bridge(s) | | | | | | Total (Capital + Support): | \$4,837 | | | | |
| 80 | 14.6 | Near Fairfield, at Suisun Creek Bridge No. 23-0007. Scour mitigation. | 0487R | 4G872 | 0416000153 | 201.111 | 2019/20 | RW: | 5 | E&P: | 850 | PA&ED: | |
| | | | | | | | | Const: | 760 | PS&E: | 600 | RW Cert: | |
| | | | | | | | | | | RW: | 20 | RTL: | |
| | | | | | | | | | | Con: | 600 | Begin Con: | |
| | | | | | | | | | | Subtotal: | 765 | | 2,070 |
| | | Performance Measure | | | | | | | | | | | |
| | | 2.0 Bridge(s) | | | | | | Total (Capital + Support): | \$2,835 | | | | |

2016 SHOPP Project List Solano (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| 84 | 12.1/12.2 | Near Rio Vista, at Miner Slough Bridge No. 23-0035. Replace bridge. (G13 Contingency Project) | 0886 | 0G660 | 0400000343 | 201.110 | 2018/19 | RW: 2,884 Const: 0 | E&P: 1,836 PS&E: 2,754 RW: 1,098 Con: 0 | PA&ED: 4/15/2016 RW Cert: 8/1/2018 RTL: 8/1/2018 Begin Con: 3/19/2019 |
| | | | | | | | | Subtotal: | 2,884 | 5,688 |
| | | | | | | | | Total (Capital + Support): | \$8,572 | |

Performance Measure
1.0 Bridge(s)

| | | | |
|-----------|--------|-------|--------|
| RW: | 3,563 | E&P: | 7,206 |
| Const: | 42,634 | PS&E: | 10,314 |
| | | RW: | 1,696 |
| | | Con: | 7,457 |
| Subtotal: | 46,197 | | 26,673 |

Solano County Total (Capital + Support): \$72,870

**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 | E&P: | 6,500 | PA&ED: | 6/30/2016 |
| | | | | | | | | Const: | 21,800 | PS&E: | 1,800 | RW Cert: | 4/2/2018 |
| | | | | | | | | | | RW: | 500 | RTL: | 5/1/2018 |
| | | | | | | | | | | Con: | 3,270 | Begin Con: | 2/1/2019 |
| | | | | | | | | Subtotal: | 24,800 | | 12,070 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | Total (Capital + Support): | \$36,870 | | | |
| 1 | 19.6 | Near Jenner, 0.1 mile south of Russian River Bridge. Construct retaining wall. | 1770A | 4S920 | 0400020569 | 201.131 | 2016/17 | RW: | 100 | E&P: | 282 | PA&ED: | 5/25/2012 |
| | | | | | | | | Const: | 1,450 | PS&E: | 1,194 | RW Cert: | 1/1/2016 |
| | | | | | | | | | | RW: | 100 | RTL: | 10/30/2016 |
| | | | | | | | | | | Con: | 900 | Begin Con: | 12/30/2017 |
| | | | | | | | | Subtotal: | 1,550 | | 2,476 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | Total (Capital + Support): | \$4,026 | | | |

**2016 SHOPP Project List
Sonoma
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|--------------|----------------------------|-----------------------------------|----------------|---------|------------|------------|-----------|
| 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 | E&P: | 280 | PA&ED: | 10/3/2016 |
| | | | | | | | | Const: | 1,370 | PS&E: | 300 | RW Cert: | 11/1/2017 |
| | | | | | | | | | | RW: | 10 | RTL: | 12/1/2017 |
| | | | | | | | | | | Con: | 220 | Begin Con: | 6/1/2018 |
| | | | | | | | Subtotal: | 1,380 | | 810 | | | |
| | | | | | | | Performance Measure | | | | | | |
| | | | | | | | 1.0 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 | E&P: | 780 | PA&ED: | 12/1/2016 |
| | | | | | | | | Const: | 3,880 | PS&E: | 880 | RW Cert: | 5/1/2018 |
| | | | | | | | | | | RW: | 100 | RTL: | 6/1/2018 |
| | | | | | | | | | | Con: | 620 | Begin Con: | 11/1/2018 |
| | | | | | | | Subtotal: | 4,030 | | 2,380 | | | |
| | | | | | | | Performance Measure | | | | | | |
| | | | | | | | 1.0 Location(s) | Total (Capital + Support): | \$6,410 | | | | |
| 37 | 0.3 | Near Novato, at the Petaluma River Bridge No. 27-0013. Restore eastern bridge approach settlement. | 1487C | 2J500 | 0414000523 | 201.131 | 2017/18 | RW: | 10 | E&P: | 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 | | | | | | |
| | | | | | | | 1.0 Location(s) | Total (Capital + Support): | \$2,365 | | | | |

**2016 SHOPP Project List
Sonoma
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|-----------|
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$6,000 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 101 | 9.0 | Near Petaluma, north of Pepper Road. Repair slide. | 0481B | 0J100 | 0413000408 | 201.131 | 2017/18 | RW: | 100 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$1,676 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | | | | |

2016 SHOPP Project List Sonoma (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------------------------|------------|--|-------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 600 | PA&ED: | 9/15/2016 |
| | | | | | | | | Const: | 5,415 | PS&E: | 800 | RW Cert: | 5/16/2017 |
| | | | | | | | | | | RW: | 50 | RTL: | 5/30/2017 |
| | | | | | | | | | | Con: | 1,330 | Begin Con: | 12/19/2017 |
| | | | | | | | | Subtotal: | 5,470 | | 2,780 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 5.0 Collisions Reduced | | Total (Capital + Support): | \$8,250 | | |
| <hr/> | | | | | | | | | | | | | |
| 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. Highway worker safety improvements. | 0480E | OJ680 | 0414000025 | 201.235 | 2018/19 | RW: | 10 | E&P: | 308 | PA&ED: | 6/30/2017 |
| | | | | | | | | Const: | 2,190 | PS&E: | 550 | RW Cert: | 3/20/2019 |
| | | | | | | | | | | RW: | 44 | RTL: | 5/15/2019 |
| | | | | | | | | | | Con: | 550 | Begin Con: | 9/15/2019 |
| | | | | | | | | Subtotal: | 2,200 | | 1,452 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 27.0 Location(s) | | Total (Capital + Support): | \$3,652 | | |

**2016 SHOPP Project List
Sonoma
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|---|-------|-------|------------|-----------------------------------|--------------|----------------|---------|-----------|------------|------------|------------|
| 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 | E&P: | 0 | PA&ED: | 10/30/2015 |
| | | | | | | | | Const: | 2,295 | PS&E: | 500 | RW Cert: | 7/1/2017 |
| | | | | | | | | | | RW: | 30 | RTL: | 7/15/2017 |
| | | | | | | | | | | Con: | 520 | Begin Con: | 12/15/2017 |
| | | | | | | | | | | Subtotal: | 2,300 | | 1,050 |
| | | Performance Measure | | | | Total (Capital + Support): | | \$3,350 | | | | | |
| | | 183.0 Collisions Reduced | | | | | | | | | | | |
| 101 | R33.5/R43.4 | In and near Healdsburg, from Grant Avenue Undercrossing to Canyon Road Undercrossing at various locations. Upgrade electrolliers. | 0780G | 4G480 | 0412000490 | 201.010 | 2016/17 | RW: | 10 | E&P: | 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 | | | | | |
| | | 30.0 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 | E&P: | 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 | | | | | |
| | | 54.0 Collisions Reduced | | | | | | | | | | | |

2016 SHOPP Project List Sonoma (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------|------------|--|-------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|---------|------------|----------------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 42.0 Structure(s) | | Total (Capital + Support): | | | \$4,270 |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 12.1 Acres | | Total (Capital + Support): | | | \$5,276 |

**2016 SHOPP Project List
Sonoma
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------|------------|--|-------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 3.0 Bridge(s) | | Total (Capital + Support): | \$9,700 | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 7.6 Lane Miles | | Total (Capital + Support): | \$8,699 | | |

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 | E&P: | 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 | E&P: | 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 | | |
| | | | | | | | | 2.0 Location(s) | | | | | | |

2016 SHOPP Project List Sonoma (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | |
|------------------------------|------------|--|-------|-------|------------|--------------|--------------|-----------------------------------|---|--|--|--|
| 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) | 1490B | 4J120 | 0415000260 | 201.240 | 2016/17 | RW: 5,000 Const: 0 | E&P: 520 PS&E: 0 RW: 80 Con: 0 | PA&ED: 12/1/2016 RW Cert: 4/30/2017 RTL: 4/30/2017 Begin Con: 6/30/2017 | | |
| | | | | | | | | Subtotal: | 5,000 | 600 | | |
| | | | | | | | | Total (Capital + Support): | \$5,600 | | | |

| | | | |
|-----------|---------|-------|--------|
| RW: | 9,250 | E&P: | 19,881 |
| Const: | 134,059 | PS&E: | 18,247 |
| | | RW: | 2,306 |
| | | Con: | 19,248 |
| Subtotal: | 143,309 | | 59,682 |

Sonoma County Total (Capital + Support): \$202,991

2016 SHOPP Project List Stanislaus (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|------------|----------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 5 | 27.0/27.5 | Near Westley, at the Westley Safety Roadside Rest Area (SRRRA). Upgrade water and wastewater systems. | 3009 | 0W630 | 1012000021 | 201.235 | 2016/17 | RW: | 0 | E&P: | 124 | PA&ED: | 6/30/2015 |
| | | | | | | | | Const: | 2,387 | PS&E: | 592 | RW Cert: | 12/1/2016 |
| | | | | | | | | | | RW: | 0 | RTL: | 2/1/2017 |
| | | | | | | | | | | Con: | 728 | Begin Con: | 7/1/2017 |
| | | | | | | | | Subtotal: | 2,387 | | | 1,444 | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Location(s) | | Total (Capital + Support): | | \$3,831 | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 184 | PA&ED: | 12/2/2015 |
| | | | | | | | | Const: | 1,776 | PS&E: | 206 | RW Cert: | 4/28/2016 |
| | | | | | | | | | | RW: | 0 | RTL: | 7/5/2016 |
| | | | | | | | | | | Con: | 340 | Begin Con: | 11/30/2016 |
| | | | | | | | | Subtotal: | 1,776 | | | 730 | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 49.0 Collisions Reduced | | Total (Capital + Support): | | \$2,506 | |

2016 SHOPP Project List Stanislaus (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--------------------|---------|------------|------------|-----------|
| 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 | E&P: | 306 | PA&ED: | 7/7/2017 |
| | | | | | | | | Const: | 2,093 | PS&E: | 595 | RW Cert: | 6/29/2018 |
| | | | | | | | | | | RW: | 18 | RTL: | 7/31/2018 |
| | | | | | | | | | | Con: | 574 | Begin Con: | 1/23/2019 |
| | | | | | | | | Subtotal: | 2,096 | 1,493 | | | |
| | | | | | | | | Total (Capital + Support): | \$3,589 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 40.0 | Location(s) | | | | |
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$10,559 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 197.0 | Collisions Reduced | | | | |

2016 SHOPP Project List Stanislaus (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | |
|-----------------|-------------|---|------|-------|------------|--------------|--------------|----------------------------|--|---|----------------|
| MANDATES | | | | | | | | | | | |
| 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 Avenue (PM 13.7/14.3). Hazardous waste mitigation. | 3125 | 1E700 | 1015000115 | 201.330 | 2018/19 | RW: 27 Const: 2,400 | E&P: 813 PS&E: 916 RW: 18 Con: 900 | PA&ED: 2/18/2018 RW Cert: 4/30/2019 RTL: 5/30/2019 Begin Con: 10/26/2019 | |
| | | | | | | | | Subtotal: | 2,427 | 2,647 | |
| | | | | | | | | Performance Measure | | | |
| | | | | | | | | 3.0 Location(s) | Total (Capital + Support): | | \$5,074 |
| <hr/> | | | | | | | | | | | |
| 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 Const: 1,126 | E&P: 609 PS&E: 931 RW: 310 Con: 610 | PA&ED: 9/30/2015 RW Cert: 1/15/2018 RTL: 1/22/2018 Begin Con: 7/2/2018 | |
| | | | | | | | | Subtotal: | 1,158 | 2,460 | |
| | | | | | | | | Performance Measure | | | |
| | | | | | | | | 7.0 Structure(s) | Total (Capital + Support): | | \$3,618 |

**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 | E&P: 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 | | |
| | | | | | | | | Subtotal: | 3 | 2,483 | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$2,486 |
| | | | | | | | | 20.0 Lane Miles | | | | |
| <hr/> | | | | | | | | | | | | |
| 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 | E&P: 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 | | |
| | | | | | | | | Subtotal: | 1,876 | 1,748 | | |
| | | | | | | | | Performance Measure | | | Total (Capital + Support): | \$3,624 |
| | | | | | | | | 2.0 Location(s) | | | | |

2016 SHOPP Project List Stanislaus (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|------------------------------|-------------|--|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-------|---------|------------|------------|
| 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 | E&P: | 1,110 | PA&ED: | 2/1/2018 |
| | | | | | | | | Const: | 3,750 | PS&E: | 1,427 | RW Cert: | 5/1/2020 |
| | | | | | | | | | | RW: | 141 | RTL: | 6/1/2020 |
| | | | | | | | | | | Con: | 1,012 | Begin Con: | 11/16/2020 |
| | | | | | | | | Subtotal: | 5,009 | | 3,690 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 110.0 1,000 Vehicle | | | | | |
| | | | | | | | | Total (Capital + Support): | \$8,699 | | | | |
| ROADSIDE PRESERVATION | | | | | | | | | | | | | |
| 5 | 27.0/27.5 | Near Westley, at the Westley Safety Roadside Rest Area (SRRRA). Replace SRRRA buildings. | 3144 | 1C270 | 1014000097 | 201.250 | 2018/19 | RW: | 7 | E&P: | 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 | | | | | |
| | | | | | | | | 2.0 Location(s) | | | | | |
| | | | | | | | | Total (Capital + Support): | \$11,000 | | | | |

**2016 SHOPP Project List
Stanislaus
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|----------------------|------|----|------|--------------|--------------|------------------|--------------|------------|
| | | | | | | | | RW: 1,400 | E&P: 4,977 | |
| | | | | | | | | Const: 28,240 | PS&E: 10,691 | |
| | | | | | | | | | RW: 634 | |
| | | | | | | | | | Con: 9,044 | |
| | | | | | | | | <hr/> | | |
| | | | | | | | | Subtotal: 29,640 | 25,346 | |

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

2016 SHOPP Project List Sutter (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | |
|-----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|---|--|--|
| ROADWAY PRESERVATION | | | | | | | | | | | | |
| 20 | 5.0/11.3 | Near Yuba City, from Sutter Bypass to Lytle Road. Rehabilitate roadway. (G13 Contingency Project) | 8132 | 1A920 | 0300020608 | 201.120 | 2017/18 | RW: 650 Const: 0 | E&P: 850 PS&E: 1,809 RW: 251 Con: 0 | PA&ED: 7/1/2016 RW Cert: 2/15/2018 RTL: 3/1/2018 Begin Con: 9/1/2018 | | |
| | | | | | | | | Subtotal: | 650 | 2,910 | | |
| | | | | | | | | Performance Measure | | | | |
| | | | | | | | | 11.4 Lane Miles | | | | |
| | | | | | | | | Total (Capital + Support): | \$3,560 | | | |

| | | | |
|-----------|-----|-------|-------|
| RW: | 650 | E&P: | 850 |
| Const: | 0 | PS&E: | 1,809 |
| | | RW: | 251 |
| | | Con: | 0 |
| Subtotal: | | 650 | 2,910 |

Sutter County Total (Capital + Support): \$3,560

**2016 SHOPP Project List
Tehama
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|----------------|------------|------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | OH200 | 0214000143 | 201.010 | 2017/18 | RW: | 65 | E&P: | 281 | PA&ED: | 3/31/2016 |
| | | | | | | | | Const: | 2,735 | PS&E: | 502 | RW Cert: | 3/31/2017 |
| | | | | | | | | | | RW: | 178 | RTL: | 8/31/2017 |
| | | | | | | | | | | Con: | 625 | Begin Con: | 2/6/2018 |
| | | | | | | | | Subtotal: | 2,800 | | 1,586 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 16.0 Collisions Reduced | Total (Capital + Support): | \$4,386 | | | |
| <hr/> | | | | | | | | | | | | | |
| 36 | 36.4/36.8 | Near Red Bluff, from Nevis Road to 0.5 mile east of Nevis Road. Improve curve. | 3590 | OH110 | 0215000053 | 201.010 | 2017/18 | RW: | 75 | E&P: | 579 | PA&ED: | 11/1/2016 |
| | | | | | | | | Const: | 1,426 | PS&E: | 574 | RW Cert: | 10/16/2017 |
| | | | | | | | | | | RW: | 150 | RTL: | 11/15/2017 |
| | | | | | | | | | | Con: | 604 | Begin Con: | 6/15/2018 |
| | | | | | | | | Subtotal: | 1,501 | | 1,907 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 14.0 Collisions Reduced | Total (Capital + Support): | \$3,408 | | | |

**2016 SHOPP Project List
Tehama
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|--|--|--|
| 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 | E&P: 310 PS&E: 460 RW: 230 Con: 0 | PA&ED: 11/1/2017 RW Cert: 2/12/2019 RTL: 3/19/2019 Begin Con: 8/3/2019 | | |
| | | | | | | | | Subtotal: | 119 | 1,000 | | |
| | | | | | | | | Total (Capital + Support): | \$1,119 | | | |
| | | | | | | | | Performance Measure | | | | |
| | | | | | | | | 28.0 | Curb Ramps | | | |
| 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 | E&P: 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 | | |
| | | | | | | | | Subtotal: | 56 | 3,044 | | |
| | | | | | | | | Total (Capital + Support): | \$3,100 | | | |
| | | | | | | | | Performance Measure | | | | |
| | | | | | | | | 2.0 | Bridge(s) | | | |

**2016 SHOPP Project List
Tehama
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|----------------|-------|---------|------------|------------|
| 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 | E&P: | 780 | PA&ED: | 2/18/2019 |
| | | | | | | | | Const: | 1,400 | PS&E: | 720 | RW Cert: | 2/28/2020 |
| | | | | | | | | | | RW: | 50 | RTL: | 3/30/2020 |
| | | | | | | | | | | Con: | 600 | Begin Con: | 8/26/2020 |
| | | | | | | | | Subtotal: | 1,547 | | 2,150 | | |
| | | | | | | | | Total (Capital + Support): | \$3,697 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 9.0 Bridge(s) | | | | | |

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 | E&P: | 460 | PA&ED: | 12/25/2017 |
| | | | | | | | | Const: | 6,600 | PS&E: | 490 | RW Cert: | 7/2/2019 |
| | | | | | | | | | | RW: | 240 | RTL: | 8/2/2019 |
| | | | | | | | | | | Con: | 1,020 | Begin Con: | 2/19/2020 |
| | | | | | | | | Subtotal: | 6,657 | | 2,210 | | |
| | | | | | | | | Total (Capital + Support): | \$8,867 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 10.1 Lane Miles | | | | | |

**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 Const: 4,920 | E&P: 260 PS&E: 650 RW: 440 Con: 650 | PA&ED: 12/7/2015 RW Cert: 12/22/2016 RTL: 1/26/2017 Begin Con: 6/13/2017 |
| | | | | | | | | Subtotal: | 5,017 | 2,000 |
| | | | | | | | | Total (Capital + Support): | \$7,017 | |

Performance Measure
13.6 Lane Miles

| | | | |
|-----------|--------|-------|--------|
| RW: | 616 | E&P: | 3,775 |
| Const: | 17,081 | PS&E: | 5,055 |
| | | RW: | 1,568 |
| | | Con: | 3,499 |
| Subtotal: | 17,697 | | 13,897 |

Tehama County Total (Capital + Support): \$31,594

**2016 SHOPP Project List
Trinity
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|---|--|--|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | |
| 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 Const: 4,727 | E&P: 970 PS&E: 1,150 RW: 250 Con: 1,750 | PA&ED: 11/1/2016 RW Cert: 1/29/2018 RTL: 2/13/2018 Begin Con: 8/14/2018 |
| | | | | | | | | Subtotal: 4,958 | 4,120 | |
| | | | | | | | | Total (Capital + Support): \$9,078 | | |
| | | | | | | | | | | Performance Measure 18.0 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 Const: 2,732 | E&P: 550 PS&E: 1,220 RW: 70 Con: 1,540 | PA&ED: 4/23/2018 RW Cert: 7/29/2019 RTL: 9/4/2019 Begin Con: 2/13/2020 |
| | | | | | | | | Subtotal: 2,739 | 3,380 | |
| | | | | | | | | Total (Capital + Support): \$6,119 | | |
| | | | | | | | | | | Performance Measure 3.0 Collisions Reduced |

**2016 SHOPP Project List
Trinity
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | | |
|-------|------------|--|------|-------|------------|--------------|--------------|--------|---------|---------|------------|-----------------------------------|----------------|--|
| 299 | 3.6 | Near Salyer, at the Francis B. Matthews Safety Roadside Rest Area (SRRRA). Upgrade potable water system and wastewater system. | 3559 | 4G620 | 0214000029 | 201.235 | 2019/20 | RW: | 0 | E&P: | 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 | | | | |
| | | | | | | | | | | | | Total (Capital + Support): | \$4,270 | |
| | | | | | | | | | | | | | | |
| 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 | E&P: | 425 | PA&ED: | 11/08/2017 | |
| | | | | | | | | Const: | 2,200 | PS&E: | 745 | RW Cert: | 2/11/2019 | |
| | | | | | | | | | | RW: | 160 | RTL: | 3/18/2019 | |
| | | | | | | | | | | Con: | 775 | Begin Con: | 12/31/2020 | |
| | | | | | | | | | | | | | | |
| | | | | | | | Subtotal: | 2,279 | | 2,105 | | | | |
| | | | | | | | | | | | | Total (Capital + Support): | \$4,384 | |

**2016 SHOPP Project List
Trinity
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| 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 Const: 1,800 | E&P: 540 PS&E: 420 RW: 190 Con: 748 | PA&ED: 7/15/2016 RW Cert: 8/10/2017 RTL: 9/15/2017 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 Const: 7,200 | E&P: 930 PS&E: 1,680 RW: 100 Con: 2,090 | PA&ED: 1/16/2019 RW Cert: 4/16/2020 RTL: 5/21/2020 Begin Con: 12/1/2020 |
| | | | | | | | | Subtotal: | 8,020 | 4,800 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$12,820 |
| 1.0 Bridge(s) | | | | | | | | | | |

**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 Const: 6,771 | E&P: 950 PS&E: 1,400 RW: 150 Con: 1,910 | PA&ED: 9/28/2018 RW Cert: 9/6/2019 RTL: 9/13/2019 Begin Con: 2/14/2020 |
| | | | | | | | | Subtotal: | 6,793 | 4,410 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$11,203 |
| 9.0 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 Const: 2,079 | E&P: 200 PS&E: 470 RW: 50 Con: 500 | PA&ED: 7/24/2018 RW Cert: 9/4/2019 RTL: 10/11/2019 Begin Con: 2/13/2020 |
| | | | | | | | | Subtotal: | 2,079 | 1,220 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$3,299 |
| 1.0 Location(s) | | | | | | | | | | |

**2016 SHOPP Project List
Trinity
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | |
|-------|------------|---|------|-------|------------|--------------|--------------|--|-----------------|------------|--------|------------|------------|
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$1,978 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 | Location(s) | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$4,250 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 7.0 | Location(s) | | | | |
| | | | | | | | | RW: | 1,300 | E&P: | 5,485 | | |
| | | | | | | | | Const: | 33,492 | PS&E: | 8,795 | | |
| | | | | | | | | | | RW: | 1,270 | | |
| | | | | | | | | | | Con: | 10,883 | | |
| | | | | | | | | Subtotal: | 34,792 | | 26,433 | | |
| | | | | | | | | Trinity County Total (Capital + Support): | \$61,225 | | | | |

**2016 SHOPP Project List
Tulare
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|----------------|------------|------------|-----------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 99 | 28.9/31.0 | In Tulare, from north of Bardsley Avenue to north of Prosperity Avenue. Roadside safety improvements. | 6700 | OR170 | 0614000051 | 201.235 | 2018/19 | RW: | 0 | E&P: | 255 | PA&ED: | 9/1/2017 |
| | | | | | | | | Const: | 2,700 | PS&E: | 624 | RW Cert: | 2/15/2019 |
| | | | | | | | | | | RW: | 24 | RTL: | 3/1/2019 |
| | | | | | | | | | | Con: | 430 | Begin Con: | 10/1/2019 |
| | | | | | | | | Subtotal: | 2,700 | | 1,333 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 26.0 Location(s) | Total (Capital + Support): | \$4,033 | | | |
| <hr/> | | | | | | | | | | | | | |
| 190 | R15.1/16.9 | Near Porterville, from west of Route 65 to S. Plano Road. Construct concrete median barrier. | 3032 | OS310 | 0614000105 | 201.010 | 2017/18 | RW: | 4 | E&P: | 450 | PA&ED: | 7/15/2016 |
| | | | | | | | | Const: | 4,750 | PS&E: | 1,200 | RW Cert: | 8/1/2017 |
| | | | | | | | | | | RW: | 14 | RTL: | 9/1/2017 |
| | | | | | | | | | | Con: | 605 | Begin Con: | 1/15/2018 |
| | | | | | | | | Subtotal: | 4,754 | | 2,269 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 20.0 Collisions Reduced | Total (Capital + Support): | \$7,023 | | | |

**2016 SHOPP Project List
Tulare
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|----------------|-------|---------|------------|------------|
| 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 | OR050 | 0614000001 | 201.010 | 2016/17 | RW: | 41 | E&P: | 240 | PA&ED: | 6/30/2015 |
| | | | | | | | | Const: | 2,630 | PS&E: | 680 | RW Cert: | 7/7/2016 |
| | | | | | | | | | | RW: | 14 | RTL: | 7/15/2016 |
| | | | | | | | | | | Con: | 662 | Begin Con: | 2/2/2017 |
| | | | | | | | | Subtotal: | 2,671 | | 1,596 | | |
| | | | | | | | | Total (Capital + Support): | \$4,267 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 22.0 Collisions Reduced | | | | | |

BRIDGE PRESERVATION

| | | | | | | | | | | | | | |
|----|------|--|------|-------|------------|---------|---------|-----------------------------------|-----------------|-------|-------|------------|----------|
| 99 | 19.4 | In Tipton, at Avenue 152 Overcrossing No. 46-0191. Replace bridge. | 6679 | OQ910 | 0614000005 | 201.110 | 2019/20 | RW: | 343 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$11,455 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | | | | |

**2016 SHOPP Project List
Tulare
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|---|
| 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 Const: 9,371 | E&P: 1,728 PS&E: 2,905 RW: 617 Con: 2,357 | PA&ED: 4/20/2015 RW Cert: 1/2/2017 RTL: 1/15/2017 Begin Con: 7/15/2017 |
| | | | | | | | | Subtotal: | 9,821 | 7,607 |
| | | | | | | | | Total (Capital + Support): | \$17,428 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | ? 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 Const: 13,500 | E&P: 0 PS&E: 1,300 RW: 30 Con: 1,200 | PA&ED: 6/27/2013 RW Cert: 12/1/2016 RTL: 12/15/2016 Begin Con: 6/1/2017 |
| | | | | | | | | Subtotal: | 13,501 | 2,530 |
| | | | | | | | | Total (Capital + Support): | \$16,031 | |
| | | | | | | | | Performance Measure | | |
| | | | | | | | | 47.4 Lane Miles | | |

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 | OG980 | 0613000022 | 201.121 | 2016/17 | RW: | 115 | E&P: | 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: | | | | | |
| Total (Capital + Support): | | | | | | | | \$7,922 | | | | | |
| Performance Measure | | | | | | | | | | | | | |
| 16.0 Lane Miles | | | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 198 | R11.7/R19.8 | In Visalia, from Lovers Lane to west of Route 245. Rehabilitate pavement. (G13 Contingency Project) | 3034 | OS340 | 0614000114 | 201.122 | 2016/17 | RW: | 10 | E&P: | 545 | PA&ED: | 12/3/2015 |
| | | | | | | | | Const: | 0 | PS&E: | 1,040 | RW Cert: | 1/16/2017 |
| | | | | | | | | | | RW: | 55 | RTL: | 3/30/2017 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 9/5/2017 |
| | | | | | | | | Subtotal: | | | | | |
| Total (Capital + Support): | | | | | | | | \$1,650 | | | | | |
| Performance Measure | | | | | | | | | | | | | |
| 32.4 Lane Miles | | | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| | | | | | | | | RW: | 964 | E&P: | 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 | | | | | |

**2016 SHOPP Project List
Tuolumne
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|------------------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|-----------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$6,672 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 18.0 Collisions Reduced | | | | | |
| <u>ROADWAY PRESERVATION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$3,975 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 7.0 Location(s) | | | | | |

**2016 SHOPP Project List
Tuolumne
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | Milestones | |
|-------|-------------|---|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-------|---------|------------|------------|
| 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 | E&P: | 0 | PA&ED: | 8/14/2013 |
| | | | | | | | | Const: | 2,046 | PS&E: | 434 | RW Cert: | 9/12/2016 |
| | | | | | | | | | | RW: | 11 | RTL: | 7/3/2017 |
| | | | | | | | | | | Con: | 61 | Begin Con: | 11/15/2017 |
| | | | | | | | | Subtotal: | 2,046 | | 506 | | |
| | | | | | | | | Total (Capital + Support): | \$2,552 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 4.0 Lane Miles | | | | | |
| 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 | E&P: | 1,680 | PA&ED: | 12/24/2015 |
| | | | | | | | | Const: | 29,200 | PS&E: | 2,520 | RW Cert: | 12/1/2016 |
| | | | | | | | | | | RW: | 280 | RTL: | 12/15/2016 |
| | | | | | | | | | | Con: | 1,680 | Begin Con: | 7/1/2017 |
| | | | | | | | | Subtotal: | 29,258 | | 6,160 | | |
| | | | | | | | | Total (Capital + Support): | \$35,418 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 62.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | \$25,375 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 2.0 Lane Miles | | | | | |

2016 SHOPP Project List Tuolumne (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---|--|
| 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 Const: 1,874 | E&P: 327 PS&E: 493 RW: 48 Con: 363 | PA&ED: 1/30/2018 RW Cert: 12/1/2018 RTL: 1/15/2019 Begin Con: 6/26/2019 |
| | | | | | | | | Subtotal: | 1,886 | 1,231 |
| | | | | | | | | Total (Capital + Support): | \$3,117 | |

Performance Measure
2.0 Location(s)

| | | | |
|-----------|--------|-------|--------|
| RW: | 206 | E&P: | 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

2016 SHOPP Project List Ventura (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|-------------|---|------|-------|------------|--------------|--------------|----------------------------|---------|---------|------------|------------|---|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 115 | PA&ED: | 6/23/2016 |
| | | | | | | | | Const: | 1,931 | PS&E: | 700 | RW Cert: | 1/8/2018 |
| | | | | | | | | | | RW: | 2 | RTL: | 2/15/2018 |
| | | | | | | | | | | Con: | 700 | Begin Con: | 7/10/2018 |
| | | | | | | | | Subtotal: | 1,931 | | | | 1,517 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 25.0 Location(s) | | | | | Total (Capital + Support): \$3,448 |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 90 | PA&ED: | 4/28/2017 |
| | | | | | | | | Const: | 3,183 | PS&E: | 465 | RW Cert: | 11/20/2018 |
| | | | | | | | | | | RW: | 2 | RTL: | 12/7/2018 |
| | | | | | | | | | | Con: | 520 | Begin Con: | 5/30/2019 |
| | | | | | | | | Subtotal: | 3,183 | | | | 1,077 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 99.0 Location(s) | | | | | Total (Capital + Support): \$4,260 |

2016 SHOPP Project List Ventura (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---|---|
| 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 | E&P: 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 |
| | | | | | | | | Subtotal: | 1,823 | 698 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$2,521 |
| 22.5 Acres | | | | | | | | | | |
| 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 Const: 408 | E&P: 102 PS&E: 195 RW: 15 Con: 170 | PA&ED: 6/15/2015 RW Cert: 11/15/2016 RTL: 12/15/2016 Begin Con: 5/4/2017 |
| | | | | | | | | Subtotal: | 419 | 482 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$901 |
| 4.0 Structure(s) | | | | | | | | | | |

**2016 SHOPP Project List
Ventura
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|-------------|--|------|-------|------------|--------------|--------------|-----------------------------------|----------------|---------|------------|------------|------------|
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$4,271 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$505 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 22.5 Acres | | | | | |
| 126 | R8.2/R12.8 | In and near Santa Paula, from east of Todd Road to west of South Hallock Drive. Storm water mitigation. | 4834 | 31240 | 0715000064 | 201.335 | 2016/17 | RW: | 168 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | \$9,868 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 43.0 Acres | | | | | |

2016 SHOPP Project List Ventura (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---------|----------------|-------|------------|------------|
| 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 Americans with Disabilities Act (ADA) standards. | 4746 | 30670 | 0714000179 | 201.361 | 2019/20 | RW: | 556 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | | \$7,705 | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 134.0 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 | E&P: | 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 | | |
| | | | | | | | | Total (Capital + Support): | | \$3,117 | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Acres | | | | | |

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 | E&P: | 142 | PA&ED: | 4/3/2018 |
| | | | | | | | | Const: | 2,530 | PS&E: | 1,360 | RW Cert: | 1/3/2020 |
| | | | | | | | | | | RW: | 7 | RTL: | 3/13/2020 |
| | | | | | | | | | | Con: | 1,420 | Begin Con: | 10/22/2020 |
| | | | | | | | | Subtotal: | 3,287 | | | | 2,929 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 800.0 Linear Feet | | Total (Capital + Support): | | | \$6,216 |
| <hr/> | | | | | | | | | | | | | |
| 33 | 7.6 | Near Oak View, at San Antonio Creek Bridge No. 52-0065. Scour mitigation and bridge rail upgrade. | 4496 | 29130 | 0712000083 | 201.111 | 2016/17 | RW: | 1,300 | E&P: | 250 | PA&ED: | 9/30/2016 |
| | | | | | | | | Const: | 1,800 | PS&E: | 1,310 | RW Cert: | 5/2/2017 |
| | | | | | | | | | | RW: | 240 | RTL: | 6/16/2017 |
| | | | | | | | | | | Con: | 900 | Begin Con: | 2/23/2018 |
| | | | | | | | | Subtotal: | 3,100 | | | | 2,700 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | | | \$5,800 |

**2016 SHOPP Project List
Ventura
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------------------|------------|---|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|----------------|------------|------------|
| 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 | E&P: | 44 | PA&ED: | 9/30/2016 |
| | | | | | | | | Const: | 4,675 | PS&E: | 310 | RW Cert: | 10/26/2017 |
| | | | | | | | | | | RW: | 30 | RTL: | 12/15/2017 |
| | | | | | | | | | | Con: | 530 | Begin Con: | 7/30/2018 |
| | | | | | | | | Subtotal: | 4,725 | | 914 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 14.1 Lane Miles | | Total (Capital + Support): | \$5,639 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | |
| | | | | | | | | 24.0 Drainage System(s) | | Total (Capital + Support): | \$635 | | |

**2016 SHOPP Project List
Ventura
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | Milestones | |
|-------|------------|---|------|-------|-----------------------------------|-----------------|--------------|--------|---------|-----------|---------|------------|------------|
| 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 | E&P: | 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 | | | | | | | |
| | | 12.3 Lane Miles | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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: | 7/10/2020 |
| | | | | | | | | | | Subtotal: | 77,892 | | 9,805 |
| | | Performance Measure | | | Total (Capital + Support): | \$87,697 | | | | | | | |
| | | 57.0 Lane Miles | | | | | | | | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 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 | | | | | | | |
| | | 24.6 Lane Miles | | | | | | | | | | | |

2016 SHOPP Project List Ventura (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones | | | |
|-------|-------------|---|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|------------|-------|------------|------------|
| 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 | E&P: | 100 | PA&ED: | 9/21/2018 |
| | | | | | | | | Const: | 19,270 | PS&E: | 1,700 | RW Cert: | 2/11/2019 |
| | | | | | | | | | | RW: | 200 | RTL: | 2/14/2020 |
| | | | | | | | | | | Con: | 2,100 | Begin Con: | 8/28/2020 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$23,440 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$3,442 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 0.1 Lane Miles | | | | | |
| 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 | E&P: | 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 |
| | | | | | | | | | | | | | |
| | | | | | | | | Total (Capital + Support): | \$15,310 | | | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 40.0 Lane Miles | | | | | |

2016 SHOPP Project List Ventura (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|-------------|---|------|-------|------------|--------------|--------------|-----------------------------------|---|---|
| 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 Const: 20,445 | E&P: 220 PS&E: 440 RW: 30 Con: 2,400 | PA&ED: 12/31/2015 RW Cert: 11/14/2016 RTL: 1/13/2017 Begin Con: 8/7/2017 |
| | | | | | | | | Subtotal: | 20,510 | 3,090 |
| | | | | | | | | Total (Capital + Support): | | \$23,600 |

Performance Measure
84.0 Lane Miles

| | | | |
|-----------|---------|-------|--------|
| RW: | 4,030 | E&P: | 3,705 |
| Const: | 181,723 | PS&E: | 16,195 |
| | | RW: | 944 |
| | | Con: | 23,400 |
| Subtotal: | 185,753 | | 44,244 |

Ventura County Total (Capital + Support): \$229,997

**2016 SHOPP Project List
Yolo
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|-----------------------------------|----------------|------------|------------|-----------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 240 | PA&ED: | 7/1/2017 |
| | | | | | | | | Const: | 1,940 | PS&E: | 400 | RW Cert: | 9/1/2018 |
| | | | | | | | | | | RW: | 20 | RTL: | 11/1/2018 |
| | | | | | | | | | | Con: | 420 | Begin Con: | 5/15/2019 |
| | | | | | | | | Subtotal: | 1,950 | | 1,080 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 32.0 Location(s) | Total (Capital + Support): | \$3,030 | | | |
| <hr/> | | | | | | | | | | | | | |
| 5 | VAR | In Woodland, on Routes 5 and 113 ramp intersection at various locations. Modify and coordinate state and city signal controllers to reduce queuing and congestion. | 9157 | 0H270 | 0315000119 | 201.010 | 2017/18 | RW: | 45 | E&P: | 80 | PA&ED: | 11/1/2016 |
| | | | | | | | | Const: | 555 | PS&E: | 135 | RW Cert: | 2/1/2018 |
| | | | | | | | | | | RW: | 50 | RTL: | 3/1/2018 |
| | | | | | | | | | | Con: | 140 | Begin Con: | 10/1/2019 |
| | | | | | | | | Subtotal: | 600 | | 405 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 20.0 Collisions Reduced | Total (Capital + Support): | \$1,005 | | | |

**2016 SHOPP Project List
Yolo
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|-------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-----------|------------|------------|-----------|
| 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 | E&P: | 0 | PA&ED: | 6/24/2015 |
| | | | | | | | | Const: | 19,390 | PS&E: | 2,570 | RW Cert: | 1/10/2017 |
| | | | | | | | | | | RW: | 2,500 | RTL: | 1/15/2017 |
| | | | | | | | | | | Con: | 4,850 | Begin Con: | 7/15/2017 |
| | | | | | | | | | | Subtotal: | 27,379 | | 9,920 |
| | | Performance Measure | | | | | | | | | | | |
| | | 330.0 Collisions Reduced | | | | | | Total (Capital + Support): | \$37,299 | | | | |
| <hr/> | | | | | | | | | | | | | |
| 16 | 25.2/28.3 | 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 | E&P: | 380 | PA&ED: | 3/1/2017 |
| | | | | | | | | Const: | 1,492 | PS&E: | 490 | RW Cert: | 7/1/2018 |
| | | | | | | | | | | RW: | 140 | RTL: | 8/1/2018 |
| | | | | | | | | | | Con: | 390 | Begin Con: | 2/1/2019 |
| | | | | | | | | | | Subtotal: | 1,900 | | 1,400 |
| | | Performance Measure | | | | | | | | | | | |
| | | 29.0 Collisions Reduced | | | | | | Total (Capital + Support): | \$3,300 | | | | |

**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 Americans with Disabilities Act (ADA) facilities. | 5833 | 3F140 | 0312000072 | 201.361 | 2018/19 | RW: | 0 | E&P: | 110 | PA&ED: | 2/1/2017 |
| | | | | | | | | Const: | 0 | PS&E: | 140 | RW Cert: | 6/1/2018 |
| | | | | | | | | | | RW: | 30 | RTL: | 7/1/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 1/3/2019 |
| | | | | | | | | Subtotal: | 0 | | 280 | | |
| | | (G13 Contingency Project) | | | | | | 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. | 8901 | 0F250 | 0300000075 | 201.110 | 2019/20 | RW: | 482 | E&P: | 990 | PA&ED: | 9/1/2018 |
| | | | | | | | | Const: | 0 | PS&E: | 1,550 | RW Cert: | 3/1/2020 |
| | | | | | | | | | | RW: | 75 | RTL: | 4/1/2020 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 10/1/2020 |
| | | | | | | | | Subtotal: | 482 | | 2,615 | | |
| | | (G13 Contingency Project) | | | | | | Total (Capital + Support): | \$3,097 | | | | |
| | | | | | | | | | | | | | |

**2016 SHOPP Project List
Yolo
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | Support | Milestones | | |
|-------|------------|---|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|-----------|
| 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 | E&P: | 700 | PA&ED: | 1/8/2016 |
| | | | | | | | | Const: | 7,360 | PS&E: | 950 | RW Cert: | 10/1/2017 |
| | | | | | | | | | | RW: | 135 | RTL: | 12/1/2017 |
| | | | | | | | | | | Con: | 1,635 | Begin Con: | 6/15/2018 |
| | | | | | | | | Subtotal: | 7,401 | | 3,420 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$10,821 | | |

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 | E&P: | 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 | | | | | |
| | | | | | | | | 69.0 Field Elements | | Total (Capital + Support): | \$13,570 | | |

2016 SHOPP Project List Yolo (\$1,000)



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|---|
| 80 | 2.4/R11.3 | In Yolo, Placer and Sacramento Counties, on Routes 65, 80 and 99 at various locations. Install ramp meters. (G13 Contingency Project) | 6701 | 1F230 | 0300001109 | 201.315 | 2018/19 | RW: 0 Const: 0 | E&P: 100 PS&E: 1,300 RW: 220 Con: 0 | PA&ED: 3/1/2016 RW Cert: 3/1/2017 RTL: 7/1/2017 Begin Con: 11/1/2017 |
| | | | | | | | | Subtotal: | 0 | 1,620 |
| | | | | | | | | Total (Capital + Support): | \$1,620 | |

Performance Measure
14.0 Field Elements

| | | | |
|-----------|--------|-------|--------|
| RW: | 9,055 | E&P: | 3,600 |
| Const: | 40,137 | PS&E: | 8,535 |
| | | RW: | 3,360 |
| | | Con: | 9,335 |
| Subtotal: | 49,192 | | 24,830 |

Yolo County Total (Capital + Support): \$74,022

**2016 SHOPP Project List
Yuba
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|-----------------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|-----------------|-------|---------|------------|------------|
| <u>COLLISION REDUCTION</u> | | | | | | | | | | | | | |
| 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 | E&P: | 3,800 | PA&ED: | 9/1/2016 |
| | | | | | | | | Const: | 28,932 | PS&E: | 3,500 | RW Cert: | 4/16/2018 |
| | | | | | | | | | | RW: | 1,000 | RTL: | 5/1/2018 |
| | | | | | | | | | | Con: | 4,960 | Begin Con: | 11/1/2018 |
| | | | | | | | | Subtotal: | 36,422 | | | | 13,260 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 20.0 Collisions Reduced | | | | | |
| | | | | | | | | Total (Capital + Support): | \$49,682 | | | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 1,570 | PA&ED: | 1/15/2016 |
| | | | | | | | | Const: | 15,300 | PS&E: | 1,320 | RW Cert: | 1/15/2018 |
| | | | | | | | | | | RW: | 1,620 | RTL: | 2/1/2018 |
| | | | | | | | | | | Con: | 3,370 | Begin Con: | 8/15/2018 |
| | | | | | | | | Subtotal: | 17,490 | | | | 7,880 |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 62.0 Collisions Reduced | | | | | |
| | | | | | | | | Total (Capital + Support): | \$25,370 | | | | |

**2016 SHOPP Project List
Yuba
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones | |
|-------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|---------|------------------|---------|------------|------------|--|
| 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 | E&P: | 3,906 | PA&ED: | 2/1/2018 | |
| | | | | | | | | Const: | 70,735 | PS&E: | 4,884 | RW Cert: | 3/1/2020 | |
| | | | | | | | | | | RW: | 6,227 | RTL: | 3/15/2020 | |
| | | | | | | | | | | Con: | 6,094 | Begin Con: | 9/21/2020 | |
| | | | | | | | | Subtotal: | 80,593 | | 21,111 | | | |
| | | | | | | | | Total (Capital + Support): | | \$101,704 | | | | |
| | | | | | | | | Performance Measure | | | | | | |
| | | | | | | | | 80.0 Collisions Reduced | | | | | | |
| 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 | E&P: | 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 | | | |
| | | | | | | | | Total (Capital + Support): | | \$6,690 | | | | |
| | | | | | | | | Performance Measure | | | | | | |
| | | | | | | | | 3.0 Collisions Reduced | | | | | | |

**2016 SHOPP Project List
Yuba
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|----------------------------|------------|---|------|-------|------------|--------------|--------------|-----------------------------------|--|--|
| 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 Const: 3,353 | E&P: 356 PS&E: 944 RW: 1,377 Con: 858 | PA&ED: 7/22/2015 RW Cert: 10/1/2017 RTL: 10/15/2017 Begin Con: 5/1/2018 |
| | | | | | | | | Subtotal: | 3,512 | 3,535 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$7,047 |
| 69.0 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 Const: 1,850 | E&P: 360 PS&E: 440 RW: 20 Con: 800 | PA&ED: 7/1/2016 RW Cert: 12/15/2017 RTL: 1/15/2018 Begin Con: 7/15/2018 |
| | | | | | | | | Subtotal: | 1,862 | 1,620 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$3,482 |
| 104.0 Curb Ramps | | | | | | | | | | |

**2016 SHOPP Project List
Yuba
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | | Capital | | Support | | Milestones |
|----------------------------|------------|--|------|-------|------------|--------------|--------------|----------------------------|---------|-----------------------------------|-----------------|------------|------------|
| BRIDGE PRESERVATION | | | | | | | | | | | | | |
| 20 | 0.1 | In Marysville, at the Feather River Bridge No. 18-009. Scour mitigation and retrofit piers. (G13 Contingency Project) | 8140 | 3F560 | 0313000033 | 201.111 | 2018/19 | RW: | 550 | E&P: | 1,240 | PA&ED: | 9/1/2016 |
| | | | | | | | | Const: | 0 | PS&E: | 2,600 | RW Cert: | 6/15/2018 |
| | | | | | | | | | | RW: | 200 | RTL: | 7/1/2018 |
| | | | | | | | | | | Con: | 0 | Begin Con: | 12/1/2018 |
| | | | | | | | | Subtotal: | 550 | | 4,040 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$4,590 | | |
| <hr/> | | | | | | | | | | | | | |
| 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 | E&P: | 1,600 | PA&ED: | 4/15/2016 |
| | | | | | | | | Const: | 18,039 | PS&E: | 1,500 | RW Cert: | 11/15/2017 |
| | | | | | | | | | | RW: | 550 | RTL: | 12/1/2017 |
| | | | | | | | | | | Con: | 4,184 | Begin Con: | 7/1/2018 |
| | | | | | | | | Subtotal: | 19,239 | | 7,834 | | |
| | | | | | | | | Performance Measure | | | | | |
| | | | | | | | | 1.0 Bridge(s) | | Total (Capital + Support): | \$27,073 | | |

**2016 SHOPP Project List
Yuba
(\$1,000)**



| Route | Post Miles | Location/Description | PPNO | EA | EFIS | Program Code | Program Year | Capital | Support | Milestones |
|-----------------------------|------------|--|------|-------|------------|--------------|--------------|-----------------------------------|--|---|
| 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 | 2018/19 | RW: 6,800 Const: 0 | E&P: 3,700 PS&E: 2,210 RW: 2,300 Con: 0 | PA&ED: 7/15/2016 RW Cert: 1/18/2019 RTL: 1/15/2019 Begin Con: 9/1/2019 |
| | | | | | | | | Subtotal: | 6,800 | 8,210 |
| Performance Measure | | | | | | | | Total (Capital + Support): | | \$15,010 |
| 9.9 Lane Miles | | | | | | | | | | |
| 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 | E&P: 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 | | | | | | | | Total (Capital + Support): | | \$5,120 |
| 4.4 Lane Miles | | | | | | | | | | |

**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 Const: 17,100 | E&P: 1,000 PS&E: 2,000 RW: 400 Con: 2,030 | PA&ED: 3/15/2017 RW Cert: 7/1/2018 RTL: 8/1/2018 Begin Con: 2/1/2019 |
| | | | | | | | | Subtotal: | 17,300 | 5,430 |
| | | | | | | | | Total (Capital + Support): | \$22,730 | |

Performance Measure
3.0 Lane Miles

| | | | |
|-----------|---------|-------|--------|
| RW: | 29,869 | E&P: | 19,042 |
| Const: | 160,509 | PS&E: | 21,508 |
| | | RW: | 14,684 |
| | | Con: | 22,886 |
| Subtotal: | 190,378 | | 78,120 |

Yuba County Total (Capital + Support): \$268,498

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