

M e m o r a n d u m

To: CHAIR AND COMMISSIONERS
CALIFORNIA TRANSPORTATION COMMISSION

CTC Meeting: May 18-19, 2016

Reference No.: 2.1a.(2)
Action Item

From: NORMA ORTEGA
Chief Financial Officer

Prepared by: Bruce De Terra, Chief
Division of
Transportation Programming

Subject: SHOPP AMENDMENT 16H-001

RECOMMENDATION:

The California Department of Transportation (Department) recommends the California Transportation Commission (Commission) approve the requested State Highway Operation and Protection Program (SHOPP) Amendment 16H-001; in accordance with Senate Bill 486 which requires the Commission to approve any changes or new projects amended into the SHOPP.

ISSUE:

Since the March 2016 report to the Commission, the Department recommends 6 new capital projects to be amended into the 2016 SHOPP, as summarized in Attachment 1. The amendments noted below would be funded from the Safety Improvement, Bridge Preservation, Roadway Preservation and 2016 SHOPP programming capacity.

2016 SHOPP Summary of New Projects by Category	No.	FY 2016/17 (\$1,000)	FY 2017/18 (\$1,000)	FY 2018/19 (\$1,000)	FY 2019/20 (\$1,000)
Collision Reduction	4	\$3,317			\$6,730
Bridge Preservation	1			\$1,523	
Roadway Preservation	1	\$85			
Total Amendments	6	\$3,402		\$1,523	\$6,730

The Department also recommends that the capital projects, as summarized in Attachment 2, and Long Lead projects, as summarized in Attachment 3, be amended into the 2016 SHOPP.

BACKGROUND:

In each even numbered year, the Department prepares a four-year SHOPP which defines major capital improvements necessary to preserve and protect the State Highway System. Periodically, the Department amends the SHOPP to address newly identified needs prior to the next programming cycle. Between programming cycles, the Department updates scope, schedule and cost to effectively deliver projects.

Resolution G-00-13, established in June 2000, provides the Department with means to develop SHOPP projects which require periods longer than the four-year SHOPP cycle. The Commission authorized the Department to program projects for development only when appropriate. Long Lead projects must identify challenges that require additional time beyond the typical four years to complete.

Senate Bill 486, approved by Governor September 30, 2014, requires Commission approval of projects amended into the SHOPP.

Attachments

List of New 2016 SHOPP Capital Project Amendments

PPNO	Dist-Co-Rte PM EA Project ID	Project Location and Description of Work	R/W Cost Const. Cost (\$1,000)	FY	Support Costs (\$1,000)	Program Code Leg. /Congr. Dists. Perf. Meas.
Collision Reduction						
1109	1-DN-199 7.6/27.5 0F190 01 1500 0078	Near Gasquet, from 0.4 mile north of South Fork Road to 0.6 mile south of Idlewild Maintenance Station Road at various locations. Install high friction surface treatment. PAED: 01/28/2016 R/W: 12/01/2016 RTL: 01/01/2017 CCA: 12/01/2019	\$1,967 (C)	16/17	PA & ED PS & E RW Sup Con Sup <u>Total</u> \$0 \$459 \$7 \$409 \$875	201.010 Assembly: 1 Senate: 2 Congress: 1 55 Collisions reduced
4578	1-Men-1 41.8/42.3 0C550 01 1200 0300	Near Albion, from 1.5 miles north of Route 128 to 0.1 mile south of Navarro Ridge Road. Widen for standard shoulders, and install rumble strips and guardrail. PAED: 02/01/2018 R/W: 07/01/2019 RTL: 08/01/2019 CCA: 10/15/2021	\$462 (R/W) \$1,702 (C)	19/20	PA & ED PS & E RW Sup Con Sup <u>Total</u> \$622 \$326 \$223 \$608 \$1,779	201.010 Assembly: 1 Senate: 2 Congress: 1 16 Collisions reduced
3641	2-Teh-36 87.8/88.8 1H740 02 1600 0052	Near Mineral, from 0.1 mile to 1.2 miles east of Route 89. Curve improvement. PAED: 04/02/2018 R/W: 04/02/2019 RTL: 07/31/2019 CCA: 11/15/2021	\$242 (R/W) \$4,324 (C)	19/20	PA & ED PS & E RW Sup Con Sup <u>Total</u> \$840 \$950 \$50 \$1,240 \$3,080	201.010 Assembly: 3 Senate: 4 Congress: 1 24 Collisions reduced
2436	3-But-99 R34.6/R34.9 1H320 03 1600 0094	In Chico at the northbound off-ramp to East Avenue. Widen ramp to provide a left-turn lane. PAED: 10/01/2016 R/W: 02/01/2017 RTL: 02/01/2017 CCA: 12/31/2017	\$50 (R/W) \$1,300 (C)	16/17	PA & ED PS & E RW Sup Con Sup <u>Total</u> \$100 \$200 \$50 \$200 \$550	201.010 Assembly: 3 Senate: 4 Congress: 1 24 Collisions reduced
Bridge Preservation						
2447	1-Hum-101 124.5 0F960 01 1600 0109	Near Orick, at 0.2 mile south of Lost Man Creek Bridge. Remove fish passage barrier. (G-13 Contingency Project) PAED: 01/01/2018 R/W: 03/01/2019 RTL: 03/15/2019 CCA: 06/01/2021	\$1,523 (R/W) \$0 (C)	18/19	PA & ED PS & E RW Sup Con Sup <u>Total</u> \$966 \$644 \$193 \$0 \$1,803	201.110 Assembly: 1 Senate: 2 Congress: 1 1 Bridge

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PPNO	Dist-Co-Rte PM EA Project ID	Project Location and Description of Work	R/W Cost Const. Cost (\$1,000)	FY	Support Costs (\$1,000)	Program Code Leg. /Congr. Dists. Perf. Meas.	
Roadway Preservation							
1490E	4-CC-80 0.0/10.1 4J340 04 1500 0331	In Richmond, El Cerrito, San Pablo, Pinole and Hercules, from Alameda County line to Route 4. Pavement rehabilitation. (G-13 Contingency Project) PAED: 10/09/2015 R/W: 10/18/2016 RTL: 11/15/2016 CCA: 09/30/2019	\$85 (R/W) \$0 (C)	16/17	PA & ED PS & E RW Sup Con Sup <hr/> Total	\$0 \$1,254 \$33 \$0 <hr/> \$1,287	201.121 Assembly: 15 Senate: 9 Congress: 5, 11 85.8 Lane miles

List of Capital Project Amendments

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
01	Humboldt	101	80.8/87.8	Near Eureka, from PMs 80.0 to 87.8. Upgrade metal beam guardrail.	2375	0C970	0113000094	201.015	48 118	267 1,763	18/19	PA&ED	510	510
<p>Comments: Technical correction.</p>														
02	Modoc	299	23.3	Near Canby, at Caldwell Creek Bridge No. 03-0028. Replace bridge.	3513	4F570	0213000008	201.111	50	1,770	17/18	PA&ED	290	572
<p>Comments: Additional design, survey, and environmental clearance effort is necessary to develop a newly identified full detour instead of the original planned stage construction of the bridge. Also, hydraulics studies have since identified the need to raise the profile of the bridge and address greater creek flows. The increase to support costs also reflects an adjustment using current rates. These changes add \$725,000 to the cost of the project.</p>														
03	Sacramento	5	46.1/26.7 9.7/22.7	In Sacramento, from Packet Road Overcrossing to Route 5/80 Separation 1.1 miles south of Elk Grove Boulevard to Route 50. Install fiber optic cable. (G13 Contingency Project)	5846	4F450	0314000164	201.315	600	0	16/17	PA&ED	540	540
<p>Comments: Change in project limits to avoid complications with structures, railroad involvement, and a local project. The new limits allow the fiber cable segment to reach farther south, and the northern limits can be built later when more were made known about future projects within that segment. No change to the cost of the project.</p>														
03	Sacramento	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	6	19,220 32,000	16/17	PA&ED	461	461
<p>Comments: The original project estimate assumed 24 hour lane closures and full bridge closures during project painting. As a result of further traffic volume reviews and local public objections, the project has been revised to utilize a mobile containment unit that can be installed and operated with less traffic impacts. However, the revised traffic control plan and the need to move a mobile unit around the work area results in decreased productivity of the contractor at an increased cost. These changes add \$14,352,000 to the cost of the project.</p>														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support			
03	Yuba	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	2,190 1,480	15,300 19,200	17/18	PA&ED	1,570	1,570	
<p>Comments: The project conflicts with an irrigation ditch that the Project Initiation Document (PID) had planned to relocate. However, the environmental agency consultations have identified the ditch area as a riparian natural area that necessitates retaining walls and a bridge span to minimize impacts, which increases the support costs and construction capital. These changes add \$3,410,000 to the cost of the project.</p>													4,320 1,780	1,620 1,300	3,370 3,450
04	Alameda	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	50	4,800 2,200	16/17	PA&ED	122	122	
<p>Comments: The project team has determined that the design will require unplanned removal and replacement of an existing concrete slab under the barrier and over an existing retaining wall, with a wider improved section. These changes add \$505,000 to the cost of the project.</p>													400	100	100
04	Contra Costa	580	5.8	In Richmond, at Scofield Avenue Undercrossing No. 28-140L/R. Seismic retrofit.	0086R	4G890	0413000059	201.113	280 500	4,280 4,460	16/17	PA&ED	750	350	
<p>Comments: This project requires an increase in R/W capital to secure an access easement for stage work and additional utility relocations. Construction capital has increased in order to provide the contractor and Department inspection staff accreditation and training as required by adjacent refinery. However, the project had a decrease in PA&ED support from efficiencies during the environmental clearance offsets project increases, as a result there is no change to the overall cost of the project.</p>													935	180	850
04	Marin	1	2.2	Near Mill Valley, at 0.2 mile north of Loring Avenue. Provide drainage system and install rock slope protection. Construct an earth retaining system and improve drainage.	0312T	1SS58	0412000635	201.131	55	4,639 2,400	16/17	PA&ED	400	400	
<p>Comments: A change in project strategy occurred as a result of the environmental Biological Opinion. The revised strategy uses a retaining wall to reduce environmental impacts to the riparian habitat at the site. Furthermore, the increase to PS&E is due to costs for advance tree removal so construction can be condensed into one dry season. An increase to construction support provides a full-time biologist on site during construction. Increases to support costs also reflect an adjustment using current rates. These changes add \$1,661,000 to the cost of the project.</p>													400 900	50	350 750

“Provide a safe, sustainable, integrated and efficient transportation system to enhance California’s economy and livability”

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support			
04	Santa Clara	9	4.9	Near Saratoga, at Saratoga Creek Bridge No. 37-0074. Replace bridge.	0386F	3G630	0412000409	201.110	6,779	11,668	17/18 19/20	PA&ED	1,200	2,800	
<p>Comments: The age of the existing bridge at this location makes it eligible for the National and California historic registers. The two alternatives in the Project Initiation Document (PID) have been expanded to six alternatives during the PA&ED phase and has led to an increase in support for that phase. A change in the project schedule is necessary due to the expanded alternatives in the environmental document, public input and right-of-way acquisition efforts for multiple properties, including a private picnic and campground resort adjacent to the existing bridge. These changes add \$1,600,000 to the cost of the project.</p>													1,400	1,400	
													RW	396	396
													Const	1,526	1,526
04	Sonoma	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	55 225	5,445 7,000	16/17	PA&ED	600	600	
<p>Comments: During the PA&ED phase, the adjacent open space south of the roadway was found to be a Section 4(f) resource. Avoidance of impacts results in additional design effort and an increase to the project cost to reduce the project footprint by placing guardrail posts on pile foundations and to add aesthetic treatment to the new median barrier that will reduce visual impact of median tree removal. Curve safety is also being addressed by improved drainage and an open graded pavement in lieu of cross-slope correction, eliminating further impact to trees in open space below. These changes add \$2,325,000 to the cost of the project.</p>													PS&E	800	1,000
													RW	50	250
													Const	4,330	1,500
05	Monterey	101	R41.5/49.8	In and near King City, from 0.1 mile south of Broadway Street to 0.1 mile north of Broadway Street and from Jolon Road to 0.2 mile north of Jolon Road. Landscape mitigation.	2312Y	0T991	0516000125	201.015	0	700	17/18	PA&ED	0		
<p>Comments: Project was split into Revised Parent EA 05-0T990 and Child EA 05-0T991. During the design phase, the project development team identified the need to split the landscape mitigation planting into a child project for delivery in FY 17/18. These changes add \$1,422,000 to the cost of the project.</p>													PS&E	300	
													RW	0	
													Const	422	
05	San Luis Obispo	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	0	7,086 7,795	16/17	PA&ED	0	0	
<p>Comments: The working days for mitigation planting have increased. The increase in working days, time related overhead, additional erosion control and an increase of the plant establishment from three to five years. These changes add \$1,915,000 to the cost of the project.</p>													PS&E	1,199	1,199
													RW	56	56
													Const	1,816	3,022

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Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
05	San Luis Obispo	101	63.5/R65.2	In San Luis Obispo County near Paso Robles from 0.1 mile south to 0.1 mile north of San Marcos Creek Bridge and from 0.1 mile south to 0.1 mile north of South San Miguel Undercrossing. Landscape mitigation.	0040C	0G041	0515000019	201.120	0	270	19/20	PA&ED	0	
												PS&E	223	
												RW	28	
												Const	479	
Comments: Project was split into Revised Parent EA 05-0G040 and Landscape Mitigation Child EA 05-0G041. The child project is needed for mitigation planting that requires a three year plant establishment period. The project cost of \$1,000,000 is entirely from the parent project.														
06	Fresno	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	470	2,203	17/18	PA&ED	948	
												PS&E	963	
												RW	53	
												Const	500	
Comments: Delete project and combine with EA 06-0H110 under EA 06-0H11U.														
06	Fresno	168	57.8/65.4 R36.0/65.4	Near Huntington Lake, from west of South Fork Tamarack Creek to west of Rancheria Creek. Repair drainage culverts. Near Shaver Lake, from west of Prather Pond Road to west of Rancheria Creek Bridge. Repair drainage culverts.	6326	0H110 0H11U	0613000045 0616000132	201.151	75 616	2,764 6,000	17/18	PA&ED	962	1,050
												PS&E	4,363	1,160
												RW	97	10
												Const	654	1,370
Comments: Combine EA 06-0H110 and EA 06-0H120 under EA 06-0H11U. The two projects have a similar scope and schedule with adjacent project limits. As a result, the support costs have decreased because of reduced redundancy in delivering and constructing the projects separately. Some of the original culverts were repaired through emergency work; however, culvert inspections have identified additional culverts needing rehabilitation with a net increase in capital cost. However, the increased efficiency in combining the projects results in a total cost savings of \$846,000.														
07	Los Angeles	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	101	156,000	16/17	PA&ED	0	0
												PS&E	6,410	6,410
												RW	29	40
												Const	9,138	9,138
Comments: Technical correction.														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
07	Los Angeles	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	0 72	2,034 1,977	47/48 16/17	PA&ED PS&E RW Const	73 384 0 457	73 745 20 700
Comments: The project can be delivered in FY 16/17. However, the right of way capital and support costs increased because of newly identified utility relocation and the transfer of work, coordination and oversight of brokered work to another district. The construction support increase was a result of further refinement of the construction scope. The construction capital was reduced because three locations were previously constructed with another project. These changes add \$642,000 to the cost of the project.														
08	Riverside	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	7,600	0	18/19	PA&ED PS&E RW Const	150 0 15 0	150 0 15 0
Comments: Technical correction.														
08	Riverside	62	R6.7/9.2	In and near Yucca Valley and Twentynine Palms, from north of Indian Avenue to Utah Trail; also, in San Bernardino County (PM 0.0/15.1 and PM 29.3/33.6). Pavement rehabilitation.	0023C	1E840	0814000113	201.121	20 200	35,355	46/47 17/18	PA&ED PS&E RW Const	725 4,900 77 2,400	1,450 2,800 300 4,520
Comments: The schedule delay is a result of limited departmental survey resources that requires the execution of a consultant task order. The delay in obtaining survey data in conjunction with the right of way process that is required for the acquisition to construct the proposed ADA ramps has increased the right of way cost. The support costs were adjusted to account for the unplanned acquisition, transfer of work, coordination and oversight of brokered work to another district including further refinement of construction support. These changes add \$4,148,000 to the cost of the project.														
08	San Bernardino	48	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). Apply high friction surface treatment.	0179J	1F040	0814000154	201.040	40	3433	46/47	PA&ED PS&E RW Const	455 447 8 489	
Comments: Delete project and transfer work to EA 08-1C100 (pavement rehabilitation) which is within the same project limits. The high friction surface treatment (HFST) must be done after the pavement rehabilitation. A total of \$3,997,000 will be removed from the project.														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support		
08	San Bernardino	18	9.1/17.8 9.1/R17.8	Near Crestline, from Arrowhead Springs Road to Route 138. Rehabilitate pavement.	0179G	1C100	0812000288	201.121	5 10	12,837 15,826	17/18 16/17	PA&ED	396	396
<p>Comments: Advance project to FY 16/17 so High Friction Surface Treatment from EA 08-1F010 can be applied immediately following pavement rehabilitation. The remaining funds from EA 08-1F010 will offset the \$3,224,000 project cost increase to include the additional scope.</p>														
08	San Bernardino	40	R134.0	Near Needles, at South Fork Piute Wash Bridge No. 54-0872R. Remove and reconstruct grouted rock slope protection.	3001C	1F280	0814000196	201.119	25 20	833	16/17	PA&ED	119	119
<p>Comments: The design support increased is due to labor cost adjustments combined with a reduction in right of way capital. These changes add \$33,000 to the cost of the project.</p>														
08	San Bernardino	95	17.0/66.0 40.0/40.4	Near Vidal Junction and Needles, from north of Route 62 to north of Goffs Road. Construct shoulders and install ground-in rumble strips. Near Needles, from 2.7 miles to 3.1 miles north of Havasu Lake Road. Widen shoulders and install ground-in rumble strips.	0238T	4E580 1E581	0814000052 0816000072	201.010	40 270	2,960 960	16/17	PA&ED	542	320
<p>Comments: Split project EA 08-1E580 into EA 08-1E581 and EA 08-1E582. Survey data indicated that R/W acquisition is required from BLM and cultural sites were identified in two segments that result in an 18-20 month delay. The Department decided to split the delayed segments into EA 08-1E582 PM (16.8/17.5, 65.4/66.0) and deliver in FY 17/18 and deliver EA 08-1E581 (PM 40.0/40.4) on schedule in FY 16/17. The addition of Desert Tortoise fences, biological monitoring, R/W acquisition and additional costs associated with two separate projects is a net increase of \$3,455,000 from the parent project.</p>														
08	San Bernardino	95	16.8/17.5	Near Vidal Junction, from 7.1 miles to 7.8 miles north of Route 62; also near Needles, from 1.4 miles to 2.0 miles north of Goffs Road. (PM 65.4/66.0). Widen shoulders and install ground-in rumble strips.	3994Y	1E582	0816000073	201.010	640	3,175	17/18	PA&ED	750	
<p>Comments: Split project EA 08-1E580 into EA 08-1E581 and EA 08-1E582. Survey data indicated that R/W acquisition is required from BLM and cultural sites were identified in two segments that result in an 18-20 month delay. The Department decided to split the delayed segments into EA 08-1E582 PM (16.8/17.5, 65.4/66.0) and deliver in FY 17/18 and deliver EA 08-1E581 (PM 40.0/40.4) on schedule in FY 16/17. The addition of Desert Tortoise fences, biological monitoring, R/W acquisition and additional costs associated with two separate projects is a net increase of \$3,455,000 from the parent project.</p>														

Dist	County	Route	Post Miles	Location/Description	PPNO	EA	EFIS#	Prog	RW	Const	FY	Support			
09	Mono	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	190	5,860	17/18	PA&ED	1,700	2,170	
<p>Comments: Environmental studies have identified impacts resulting in an EIR which requires the development of additional design alternatives. The higher level studies and preliminary design to develop additional alternatives has increased the PA&ED component. These changes add \$470,000 to the cost of the project.</p>													821	821	
													RW	350	350
													Const	1,140	1,140
10	Stanislaus	99	R18.0/R19.7	In Modesto at Carpenter Road/Briggsmore Avenue southbound off-ramp. Mitigation replacement planting and irrigation system improvements.	3011Y	0X56Y	1016000147	201.010	0	450	18/19	PA&ED	75		
													PS&E	320	
													RW	2	
													Const	434	
<p>Comments: Split landscape portion of work, from Parent EA 10-0X560, into own project under EA 10-0X56Y to address plant establishment scope requirements.</p>															
12	Orange	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	36 72	0	16/17	PA&ED	0	0	
													PS&E	4,254	4,310
													RW	220	270
													Const	0	0
<p>Comments: The scope of the project has been further refined resulting in a significant increase in ADA upgrades and utility impacts. A total of 98 new curb ramps will be constructed that require the relocation of 44 electrical poles and underground utility positive location at 72 locations, which require additional design and increase the right of way scope. These changes add \$3,145,000 to the cost of the project.</p>															

List of New Long Lead Project Amendments

PPNO	Dist-Co-Rte PM EA Project ID	Project Location and Description of Work	R/W Cost Const. Cost (\$1,000)	FY	Support Costs (\$1,000)	Program Code Leg. /Congr. Dists. Perf. Meas.
Collision Reduction						
0662	9-MNO-395 6.9/9.6 36070 09 1400 0003	Near Tom's place, from 2.4 miles south of Lower Rock Creek Road to 0.3 mile north of Lower Rock Creek Road. Widen shoulders, flatten slopes, install ground in rumble strips, reconstruct and install guardrail. PAED: 08/27/2018 R/W: 06/30/2020 RTL: 06/30/2020 BC: 10/07/2020	\$368 (R/W) \$13,740 (C)	20/21	PA & ED PS & E RW Sup Con Sup <u>Total</u> \$922 \$2,037 \$485 \$2,799 \$6,243	201.015 Assembly:5 Senate:8 Congress:8 32.4 Collisions reduced
3074	10-Mer-140 2.3/49.0 0Y130 10 1300 0243	In and near the cities of Gustine and Merced, from Outside Canal Bridge No. 39-0055 to 1.3 miles west of Mariposa County line, at various locations. Replace bridge approach guardrail on two bridges and removal of obstructions from clear recovery zone at 11 locations. PAED: 11/01/2019 R/W: 11/15/2021 RTL: 02/01/2022 BC: 02/15/2023	\$355 (R/W) \$4,225 (C)	21/22	PA & ED PS & E RW Sup Con Sup <u>Total</u> \$1,279 \$769 \$252 \$1,172 \$3,472	201.015 Assembly: 26 Senate: 12 Congress: 18 39 Collisions reduced