

**GL: Safety Improvements –
SHOPP Mobility Program
(TIP ID – VAR170005)**

Last updated with TIP Revision 2019-39

FTIP BACK-UP LIST FOR SHOPP - MOBILITY PROJECTS (VAR170005)

FOR 2018/2022 PROGRAM YEARS

All amounts in \$1,000

Dist	Co	Rte	PM	Location/Description	PPNO	EA	Prog Code	Con FY	Prior	18/19	19/20	20/21	21/22	22/23	23/24	PAED	PSE	RW SUP	CON SUP	RW	CON	TOTAL
SHOPP - Mobility																						
04	ALA	880		In Hayward, at Industrial Parkway West. Install weigh-in-motion system in both directions.	1482G	2J320	201.321	18/19	\$1,184	\$5,611	\$0	\$0	\$0	\$0	\$0	\$0	\$1,121	\$63	\$1,121	\$5	\$4,485	\$6,795
04	SON	37		Near Vallejo, at east of Route 121. Replace Weigh-in-Motion (WIM) systems.	0763L	1A210	201.321	18/19	\$1,118	\$2,844	\$0	\$0	\$0	\$0	\$0	\$506	\$592	\$20	\$554	\$10	\$2,280	\$3,962
04	ALA	980		In Oakland, at the District 4 Transportation Management Center (TMC). Upgrade or replace legacy TMC hardware components and related software by service contract to improve reliability and	1464L	0P370	201.315	19/20	\$110	\$402	\$2,842	\$0	\$0	\$0	\$0	\$110	\$392	\$10	\$262	\$10	\$2,570	\$3,354
04	ALA	Var		In various counties, on various routes at various locations. Restore non-operational Transportation Management System (TMS) field elements by use of on-call Task Order service contracts.	1464M	0P380	201.315	19/20	\$450	\$1,350	\$19,000	\$0	\$0	\$0	\$0	\$450	\$1,340	\$10	\$3,000	\$10	\$15,990	\$20,800
04	ALA	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 (TMS) elements.	1483H	2J830	201.315	19/20	\$760	\$1,020	\$6,191	\$0	\$0	\$0	\$0	\$760	\$760	\$260	\$1,044	\$12	\$5,135	\$7,971
04	ALA	580	30.8/46.5	In and near Oakland and San Leandro, from Route 238 to Route 80. Install and upgrade Transportation Management System (TMS) elements.	1487A	3J050	201.315	19/20	\$2,700	\$2,750	\$21,120	\$0	\$0	\$0	\$0	\$2,700	\$2,700	\$50	\$3,600	\$20	\$17,500	\$26,570
04	SCL	237	7.0/8.0	In San Jose, in the eastbound direction from North First Street to Zanker Road. Construct auxiliary lane.	1492A	0K240	201.310	21/22	\$0	\$3,120	\$2,210	\$0	\$9,845	\$0	\$0	\$3,120	\$2,080	\$130	\$1,560	\$255	\$8,030	\$15,175
04	SCL	237	7.0/8.0	In San Jose, in the westbound direction from Zanker Road to North First Street. Construct auxiliary lane.	1492B	0K250	201.310	21/22	\$3,120	\$0	\$0	\$2,561	\$73,392	\$0	\$0	\$3,120	\$2,080	\$481	\$1,750	\$57,823	\$13,819	\$79,073
04	SM	1	26.4/47.3	In and near the cities of Half Moon Bay, Pacifica and Daly City, from south of Miramontes Point Road to Clarinada Avenue Undercrossing, at various locations. Install Bluetooth Detection Systems and Variable Message Signs (VMS), enable two existing Changeable Message Signs (CMS), modify Advanced Transportation Management System (ATMS), and construct Maintenance Vehicle Pullouts (MVPs) to improve the system performance.	1452A	2K880	201.315	21/22	\$0	\$430	\$444	\$30	\$2,888	\$0	\$0	\$430	\$444	\$30	\$444	\$36	\$2,408	\$3,792
04	ALA	80	2.0/8.0	In Alameda, Contra Costa, and Solano Counties, on Routes 80, 580, and 980 at various locations; also on local streets from Route 980 to the District 4 Transportation Management Center (TMC). Install fiber optic cable and install and upgrade Transportation Management System (TMS) elements.	0064A	15500	201.315	22/23	\$0	\$0	\$0	\$6,321	\$0	\$104,675	\$0	\$0	\$6,200	\$121	\$11,009	\$320	\$93,346	\$110,996
04	ALA	880		In Alameda, San Francisco, and San Mateo Counties, on Routes 80, 101, 880, and 980 at various locations. Install and upgrade Transportation Management System (TMS) elements including Closed Circuit Television (CCTV) cameras, Vehicle Detection Systems (VDS), Changeable Message Signs (CMS), ramp meters, and fiber optic cable. □ (G13 Contingency)	2027J	2Q740	201.315	22/23	\$0	\$0	\$0	\$2,155	\$11,099	\$63	\$0	\$2,155	\$10,958	\$141	\$0	\$63	\$0	\$13,317
04	ALA	980		In various counties, on various routes at various locations. Upgrade controllers in vehicle detection and traffic signal systems.	1488Z	3K360	201.315	22/23	\$0	\$0	\$0	\$665	\$0	\$8,555	\$0	\$160	\$490	\$15	\$1,240	\$15	\$7,300	\$9,220
04	ALA	Var		In various counties, on various routes at various locations. Replace obsolete electronic components in existing Closed Circuit Television (CCTV) camera systems.	1457C	3K510	201.315	22/23	\$0	\$0	\$0	\$1,450	\$0	\$18,675	\$0	\$360	\$1,075	\$15	\$2,700	\$15	\$15,960	\$20,125
04	SM	101		In Alameda, Contra Costa, Santa Clara, San Mateo, and Solano Counties, on various routes at various locations. Modify and enhance ramp metering systems to improve Transportation Management System (TMS) performance and install guardrail at ramps to enhance highway worker safety.	2020G	0Q070	201.315	22/23	\$0	\$0	\$0	\$1,179	\$1,270	\$13,237	\$0	\$1,179	\$1,230	\$40	\$2,806	\$31	\$10,400	\$15,686
04	SON	121	6.5/7.0	Near Schellville, at the intersection of Routes 121 and 116. Construct roundabout.	2031J	3G900	201.310	22/23	\$0	\$0	\$0	\$0	\$0	\$18,869	\$0	\$0	\$0	\$0	\$2,050	\$4,331	\$12,488	\$18,869
04	ALA	580	30.4/46.5	In and near San Leandro and Oakland, from Strobbridge Avenue to 0.7 mile west of San Pablo Avenue at various locations (PM 30.36/46.5L/R). Install and upgrade ramp meters and widen ramps to provide High-Occupancy Vehicle (HOV) bypass ramp lanes. (PAED and PSE only) (G13 Contingency)	1493N	0K530	201.315	23/24	\$0	\$0	\$0	\$4,627	\$0	\$3,441	\$0	\$4,627	\$3,441	\$0	\$0	\$0	\$0	\$8,068
04	ALA	Var		In various counties, on various routes at various locations. Replace obsolete electronic components in existing Closed Circuit Television (CCTV) camera systems.	2028B	2Q540	201.315	23/24	\$0	\$0	\$0	\$365	\$1,135	\$0	\$19,365	\$365	\$1,120	\$15	\$2,700	\$15	\$16,650	\$20,865

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04	CC	680		In Alameda, Contra Costa, and Solano Counties, on Routes 580, 680, and 780 at various locations. Install and upgrade fiber optic cable, ramp metering systems, and Transportation Management System (TMS) elements, and widen ramps to provide High-Occupancy Vehicle (HOV) bypass ramp lanes. (G13 Contingency)	2025C	1Q720	201.315	23/24	\$0	\$0	\$0	\$5,475	\$10,252	\$0	\$312	\$5,475	\$9,620	\$632	\$0	\$312	\$0	\$16,039
04	MRN	37	11.2/14.6	In and near Novato, from Route 101 to Sonoma County line; also in Sonoma County on Route 37, from Marin County line to Route 121 (PM 0.0/3.9). Reconstruct the roadway to address sea level rise and recurrent flooding. (Long Lead Project)	5200	4Q320	201.999	23/24	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000	\$0	\$0	\$0	\$0	\$0	\$10,000
04	NAP	121	7.2/7.4	In the city of Napa, at the intersection with Third Street/East Avenue/Coombsville Road. Construct intersection improvements.	1483B	0J890	201.310	23/24	\$0	\$0	\$0	\$420	\$0	\$660	\$2,820	\$420	\$510	\$150	\$520	\$340	\$1,960	\$3,900
04	SON	37	3.8/4.0	Near Novato, at the intersection with Route 121. Improve traffic operations by modifying intersection.	2023H	1Q480	201.310	23/24	\$0	\$0	\$0	\$1,458	\$0	\$1,653	\$8,130	\$1,458	\$1,570	\$83	\$1,597	\$542	\$5,991	\$11,241
04	SON	37	3.9/4.1	Near Novato, from Route 121 to 0.2 mile east of Route 121. Improve traffic operations by extending the lane merge in eastbound direction.	2025P	2Q200	201.310	23/24	\$0	\$0	\$0	\$1,469	\$0	\$2,376	\$14,287	\$1,469	\$2,361	\$15	\$1,800	\$821	\$11,666	\$18,132
SHOPP - MOBILITY NEW REQUESTED TOTAL									\$ 9,442	\$27,527	\$ 51,807	\$ 28,175	\$ 109,881	\$ 172,204	\$44,914	\$38,864	\$50,084	\$ 2,281	\$ 39,757	\$ 64,986	\$ 247,978	\$ 443,950
SHOPP - MOBILITY PROGRAMMED TOTAL									\$ 9,442	\$27,527	\$ 51,807	\$ 2,591	\$ 86,125	\$ -	\$ -	\$21,196	\$11,509	\$ 1,054	\$ 13,335	\$ 58,181	\$ 72,217	\$ 177,492
SHOPP - MOBILITY DIFFERENCE TOTAL									\$ -	\$ -	\$ -	\$ 25,584	\$ 23,756	\$ 172,204	\$44,914	\$17,668	\$38,575	\$ 1,227	\$ 26,422	\$ 6,805	\$ 175,761	\$ 266,458