

Appendix E: I-405 CMCP Project List											
Project Info							Shovel Worthiness Assessment				
ProjectID	Name (if applicable)	Short Description	Subregion	Source Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Tiering
405CMCP_0131	Green Line: Miscellaneous capital and operational improvements	Green Line: Miscellaneous capital and operational improvements to existing line. Improvements include adding tail tracks and crossovers at the Redondo Beach Station and extending station platforms to allow for 3-car trains at several stations	South Bay Cities	Mobility Matrix	Transit	High Capacity Transit (Rail and BRT)	●	●	●	●	1
405CMCP_0610	Sepulveda Pass Transit Corridor	High Capacity Transit Service transit service option connecting the San Fernando Valley and the Westside	County	SCAG RTP/ SCS	Transit	High Capacity Transit (Rail and BRT)	●	●	●	●	1
405CMCP_0618		INTERSECTION AND CORRIDOR IMPROVEMENTS THAT MAY INCLUDE NEW TRAFFIC SIGNALS, LEFT TURN PHASING, PEDESTRIAN WARNING DEVICES, SIDEWALK ENHANCEMENTS, CURB EXTENSION AND OTHER SIMILAR TREATMENTS. THE LIMITS ARE BETWEEN I-405/SEPULVEDA TO THE WEST, CITY OF LOS ANGELES CITY BOUNDARY TO THE NORTH AND EAST, AND TUXFORD/LA TUNA CANYON TO ROSCOE/I-405 TO THE SOUTH.	South Bay Cities	SCAG RTP SCS	Arterial	TSM/ITS/ Operational Improvements	●	○	●	○	2B
405CMCP_0619	Inglewood Signal Synchronization	PROJECT WILL INCREASE EFFICIENCY AND REDUCE CONGESTION DUE TO REDUCTION OF TIME OF VEHICLES ON IDLED AT THE NON-SYNCHRONIZED 16 INTERSECTIONS AND THUS ALLOW TRAFFIC FLOW TO BE CONSISTENT. SYNCHRONIZING THE TRAFFIC SIGNALS, WILL ALLEVIATE HEAVY TRAFFIC GENERATED DUE TO THE CLOSE PROXIMITY OF PRAIRIE AVENUE TO THE I-105 FREEWAY, I-405 FREEWAY AND HOLLYWOOD PARK CASINO AND THE NEW NFL STADIUM. PROVIDING SIGNAL COORDINATION WILL SIGNIFICANTLY BENEFIT BOTH THE TWO FREEWAYS AND THE CITY OF INGLEWOOD. THIS DOES NOT INCLUDE INTERSECTIONS ON LA CIENEGA ALREADY FUNDED BY LAWA.	South Bay Cities	SCAG RTP SCS	Arterial	TSM/ITS/ Operational Improvements	●	○	●	○	2B
405CMCP_0620	I-405/El Segundo Signal Improvements	THE SCOPE IN THIS PHASE INVOLVES PA/ED AND PS&E ONLY. THE PROJECT AIMS TO MINIMIZE CONFLICTS OF TURNING TRAFFIC WITH THE THROUGH TRAFFIC ON EL SEGUNDO BLVD., BETWEEN THE 405 FREEWAY RAMPS, BY MODIFYING AND UPGRADING THE INTERSECTION LAYOUT AND RELATED SYSTEMS. THE PROJECT WILL UPGRADE THE TWO TRAFFIC SIGNAL SYSTEM ON EL SEGUNDO BLVD. AT THE 405 FREEWAY RAMPS, ENHANCING TRAFFIC CIRCULATION AND ACCESS TO THE I-405.	South Bay Cities	SCAG RTP SCS	Highway	TSM/ITS/ Operational Improvements	●	○	●	○	2B
405CMCP_0621		PROJECT INCLUDES DESIGN FEATURES TO ACCOMMODATE THE FUTURE WIDENING OF I-405 OFF RAMPS (PENDING DETAILS WHEN CALTRANS WILL PERFORM THIS), RE-STRIPING, TRAFFIC SIGNAL UPGRADES AT FIVE LOCATIONS, TURN POCKETS WHERE GEOMETRICALLY POSSIBLE, 0.7 MILES OF CLASS II BIKE LANES, CONCRETE BUS PADS, PAVEMENT UPGRADE, ADDITION OF LANDSCAPED MEDIAN ISLANDS, AND CONCRETE REPAIRS FOR ADA COMPLIANCE. MINIMAL RIGHT-OF-WAY WILL BE REQUIRED FOR INSTALLING ADDITIONAL TURN POCKETS.	South Bay Cities	SCAG RTP SCS	Highway	TSM/ITS/ Operational Improvements	●	○	●	○	2B
405CMCP_0622		THE PROPOSED PROJECT WILL IMPROVE TRAFFIC CONDITIONS AND SAFETY ALONG MANCHESTER BOULEVARD AND LA CIENEGA BOULEVARD AT THREE INTERSECTION IN THE CITY OF INGLEWOOD. THEY INCLUDE, MANCHESTER/ASH/I-405, MANCHESTER/LA CIENEGA AND LA CIENEGA/FLORENCE. IMPROVEMENTS INCLUDE RAISED MEDIANS, INCREASE OF CURB RADII, TRAFFIC SIGNAL OPERATIONS/MODIFICATIONS AND RESTRIPIING.	South Bay Cities	SCAG RTP SCS	Highway	TSM/ITS/ Operational Improvements	●	○	●	○	2B
405CMCP_0628		PROJECT INCLUDES DESIGN FEATURES TO ACCOMMODATE THE FUTURE WIDENING OF I-405 OFF RAMPS (PENDING DETAILS WHEN CALTRANS WILL PERFORM THIS), RE-STRIPING, TRAFFIC SIGNAL UPGRADES AT FIVE LOCATIONS, TURN POCKETS WHERE GEOMETRICALLY POSSIBLE, 0.7 MILES OF CLASS II BIKE LANES, CONCRETE BUS PADS, PAVEMENT UPGRADE, ADDITION OF LANDSCAPED MEDIAN ISLANDS, AND CONCRETE REPAIRS FOR ADA COMPLIANCE. MINIMAL RIGHT-OF-WAY WILL BE REQUIRED FOR INSTALLING ADDITIONAL TURN POCKETS.	South Bay Cities	SCAG RTP SCS	Highway	TSM/ITS/ Operational Improvements	●	○	●	○	2B
405CMCP_0632	Walk Pico	WALK PICO! A CATALYST FOR COMMUNITY VITALITY & CONNECTIVITY: (1) INSTALLS NEW SIDEWALK, SIDEWALK BUFFER, LANDSCAPING, STREET TREES, PED/BIKE WAYFINDING SIGNAGE, CURB RAMPS, PED LIGHTING, BENCHES, TRASH RECEPTACLES, PED REFUGE MEDIAN, RECTANGULAR RAPID FLASHING BEACONS, TRAFFIC DIVERTERS, ROUNDABOUTS, CONTINENTAL CROSSWALKS, ADVANCE STOP BARS, CURB EXTENSIONS, AND ACCESSIBLE PEDESTRIAN SIGNAL, SHARROWS. (2) REMOVES OBSTRUCTIONS FROM THE WALKWAY.	Westside Cities	SCAG RTP SCS	Active Transportation	Pedestrian Improvements	●	●	●	○	2B
405CMCP_0637		I-405 EXPRESSLANES FROM I-105 TO I-110. (segment is included in the Countywide ExpressLanes Strategic Plan Tier 1 project- I-405 from I-101 to Los Angeles/Orange County Line)	South Bay Cities	SCAG RTP SCS	Highway	Managed Lanes	●	○	●	○	2B
405CMCP_0638		I-405 EXPRESSLANES FROM I-110 TO LA/ORANGE COUNTRY LINE. (segment is included in the Countywide ExpressLanes Strategic Plan Tier 1 project- I-405 from I-101 to Los Angeles/Orange County Line)	Gateway Cities	SCAG RTP SCS	Highway	Managed Lanes	●	○	●	○	2B
405CMCP_0640		I-405 EXPRESSLANES FROM I-10 TO I-105. (segment is included in the Countywide ExpressLanes Strategic Plan Tier 1 project- I-405 from I-101 to Los Angeles/Orange County Line)	South Bay Cities	SCAG RTP SCS	Highway	Managed Lanes	●	○	●	○	2B
405CMCP_0641	I-5/I-405 Carpool Connector	I-5/I-405 CARPOOL LANE PARTIAL CONNECTOR (SOUTH TO NORTH)	San Fernando Valley	SCAG RTP SCS	Highway	Managed Lanes	●	○	●	○	2B
405CMCP_0649		REGIONAL: UPGRADE TMS: A) I-5: SR-118 TO SR-14 (PM 39.3-45.6) B) US-101: I-5 TO I-405 (PM 0.0-17.4) C) US-101: SR-27 TO VENTURA COUNTY LINE (PM 25.3-38.19) D) SR-118: WEST OF SR-27 TO EAST OF SR-210 (PM 0.0-14.8) E) SR-134: SR-170 TO SR-210/SR-710 (PM 0.0-13.4) F) SR-170: SR-134 TO I-5 (PM 14.5-20.5) G) I-405: SOUTH OF US-101 TO I-5 (PM 39.0-48.65) H) SR-2: SR-134 TO SR-210 (PM 14.5-24.6) I) I-210: I-5 TO SR-2 (PM 0.0-19.0) - ADD CCTV & COMMS J) I-5: TSM FROM SR-2 TO SR-134	San Fernando Valley	SCAG RTP SCS	Highway	TSM/ITS/ Operational Improvements	●	○	●	○	3

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ProjectID	Name (if applicable)	Short Description	Subregion	Source Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Safety	405 CMCP Tier ²
405CMCP_0651		I-405: REALIGN THE SB I-405 SOUTH OF SR-90 TO MANCHESTER WHERE IT BENDS SHARPLY JUST NORTH OF MANCHESTER BLVD PM 25.5/23.7	Westside Cities	SCAG RTP SCS	Highway	Safety						3
405CMCP_0652		I-105/I-405: HOV CONNECTORS FROM I-105 WESTBOUND TO NORTHBOUND AND SOUTHBOUND I-405	South Bay Cities	SCAG RTP SCS	Highway	Managed Lanes						3
405CMCP_0653		I-405: ADD 1 OR 2 LANES TO NB AND SB I-405 BETWEEN INGLEWOOD NORTHERN BORDER AND I-110; CONSIDER INCLUSION OF TRANSIT-ONLY FIXED GUIDEWAYS	South Bay Cities	SCAG RTP SCS	Highway	Capacity Enhancement (highway)						NA
405CMCP_0655		I-405/OXNARD ST: BUILD A INTERCHANGE FOR I-405 (INCLUDE METRO ORANGE LINE TO HOV CONNECTION)	San Fernando Valley	SCAG RTP SCS	Highway	Ramp/ Interchange Enhancement						3
405CMCP_0656		I-405/US-101: INTERCHANGE IMPROVEMENTS	San Fernando Valley	SCAG RTP SCS	Highway	Ramp/ Interchange Enhancement						3
405CMCP_0657		I-5/I-405: INTERCHANGE IMPROVEMENTS	San Fernando Valley	SCAG RTP SCS	Highway	Ramp/ Interchange Enhancement						3
405CMCP_0658		I-10- IMPROVE I-10 AND I-405 INTERCHANGE	Westside Cities	SCAG RTP SCS	Highway	Ramp/ Interchange Enhancement						3
405CMCP_0659		I-405 DIRECT HOV CONNECTOR TO LAX	South Bay Cities	SCAG RTP SCS	Highway	Managed Lanes						3
405CMCP_0662		ADDITIONAL SR-91/I-605/I-405 SOLUTIONS (BEYOND IDENTIFIED HOT SPOTS)	South Bay Cities	SCAG RTP SCS	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_0663		I-405 ADD EXPRESS LANES BETWEEN US-101 AND I-5	San Fernando Valley	SCAG RTP SCS	Highway	Managed Lanes						3
405CMCP_0664		I-405: WIDEN FROM 3 TO 4 LANES THROUGH INTERCHANGE AT I-110	South Bay Cities	SCAG RTP SCS	Highway	Capacity Enhancement (highway)						NA
405CMCP_0665		I-405- I-405 ADD CONNECTOR METERING AT I-105 AND SR-90 INTERCHANGES	Westside Cities	SCAG RTP SCS	Highway	Ramp/ Interchange Enhancement						3
405CMCP_0667		I-405- ADD AUXILIARY LANES FROM SR-90 TO I-105	Westside Cities	SCAG RTP SCS	Highway	Auxiliary Lane						2B
405CMCP_0668		I-405- THROUGHOUT I-405 CORRIDOR – EXPAND OPERATIONS OF FREEWAY SERVICE PATROL	Westside Cities	SCAG RTP SCS	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_0669		HOV/TRANSIT BYPASS LANES AT INTERSECTIONS/RAMPS	Westside Cities	SCAG RTP SCS	Highway	Managed Lanes						3
405CMCP_0670		WORK WITH CALTRANS TO CONTINUE SOUNDWALLS ALONG I-405.	Westside Cities	SCAG RTP SCS	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_0674		I-405- EXPRESS BUS IMPROVEMENTS (E.G., PEAK PERIOD SHOULDER LANE) ON I-405	Westside Cities	SCAG RTP SCS	Transit	Rapid/ Express Service						2A
405CMCP_0890	TMS	Upgrade existing Traffic Management Communication System	South Bay Cities	Monster	Highway	TSM/ITS/ Operational Improvements						2B
405CMCP_0894	SR-91 Central to Acacia Court	SR-91/ between Central Avenue and Acacia Court includes a Collector- Distributer (CD) Road. to improve closely spaced freeway entrance and exit ramps The project also proposes to add striped Class II buffered bicycle lane along WB and EB Artesia Boulevard and Albertoni Street, improving bicycle, pedestrian, and transit connectivity; Add LED lighting, improved crosswalk visibility, and ADA-accessible pedestrian signals; and Upgrade local pavement at the Central Avenue and Wilmington Avenue intersections.	Gateway Cities	Monster	Highway	TSM/ITS/ Operational Improvements						2B
405CMCP_0897	I-405 Aux	Construct Aux lanes and widen connectors, in LA County, in Carson and Los Angeles, on I-405 from Main Street separation to Normandie Ave. separation	South Bay Cities	Monster	Highway	Auxiliary Lane						2B
405CMCP_0898	I-405 Aux	Construct Aux Lane between Artesia Blvd and El Segundo Blvd- Metro	South Bay Cities	Monster	Highway	Auxiliary Lane						2B
405CMCP_0900	Bridge	In Los Angeles County, at various locations -- Eliminate weight restrictions and vertical clearance restraints	San Fernando Valley	Monster	Goods Movement	Grade Separation and Crossing Projects						2B
405CMCP_0902	I-405 Aux	Construct Auxiliary lanes, in Los Angeles County, in Carson and Los Angeles, on Route 405 from I-110 connector to Wilmington Ave.	South Bay Cities	Monster	Highway	Auxiliary Lane						2B
405CMCP_0904	I-710 Integrated Corridor Management	integrate and upgrade, where necessary, real-time information and ITS technologies along I-710 corridor that are currently managed by 15 different jurisdictions to enhance corridor-wide congestion management ability to benefit trucks and passenger vehicles during non-recurring congestion. The ICM system would divert passenger vehicles off the I-710 freeway to adjacent arterials during incidents using ITS, thereby increasing freeway capacity and mobility for trucks to maintain travel times.	Gateway Cities	Monster	Highway	TSM/ITS/ Operational Improvements						2B
405CMCP_0905	ATM/ICM	Upgrade TMS between Rosecrans Ave and Route 90 – Mobility – State (also on LAWA Workplan)	South Bay Cities	Monster	Highway	Ramp/ Interchange Enhancement						2B
405CMCP_0911	I-710 Early Action	Shoemaker bridge replacement	Gateway Cities	Monster	Arterial	Bridge, Tunnel, and Grade Separation						2B
405CMCP_0915	I-710 Early Action	Soundwall Package 2 - Construction of four new soundwalls and aesthetic treatment of existing soundwalls along the I-710 in the communities of Bell Gardens, Bell, Compton, and East Los Angeles	Gateway Cities	Monster	Highway	State of Good Repair						2B
405CMCP_0917	I-405/I-110 Int. HOV Connect Ramps & Interchange Improvements	Route 110/405 HOV/Express Direct Connector (Countywide ExpressLanes Strategic Plan Tier 1)	South Bay Cities	Monster	Highway	Managed Lanes						2B
405CMCP_0918	Direct Connector	SR-91/I-110 Direct Connector (HOV)	South Bay Cities	Monster	Highway	Managed Lanes						2B

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405CMCP_0919	Direct Connector	I-5/SR-118 Direct Connector	San Fernando Valley	Monster	Highway	Ramp/ Interchange Enhancement						2B
405CMCP_0921		MM-ST (LAMP)-20 Imperial Highway Off-ramp: widen off-ramp to two lanes at the exit from the I-405 northbound lanes and carrying the widening to the ramp junction at Imperial Highway to provide two left-turn lanes and a separate right-turn lane.	South Bay Cities	Monster	Highway	Ramp/ Interchange Enhancement						2B
405CMCP_0928	North San Fernando Valley Transit Corridor	The North San Fernando Valley Transit Corridor Project is a proposed enhanced bus network that would increase connectivity and provide high-quality bus service and transit infrastructure in North San Fernando Valley communities from Northridge on the west to North Hollywood on the east	San Fernando Valley	Metro LRTP	Transit	Rapid/ Express Service						1
405CMCP_0934	G Line (Orange) Conversion to Light Rail	The G Line conversion of the 18-mile bus rapid transit line to light-rail service.	San Fernando Valley	Metro LRTP	Transit	High Capacity Transit (Rail and BRT)						2A
405CMCP_0936	Regional Commuter Rail Improvements	Improve Commuter Rail Service through a range of strategies throughout the county	County	Metro LRTP	Transit	High Capacity Transit (Rail and BRT)						2A
405CMCP_0938	Sepulveda Pass Transit Corridor (Ph 1 - ExpressLanes)	I-405 ExpressLanes From US 101 to I-10 (Measure M funded/ segment is included in the Countywide ExpressLanes Strategic Plan Tier 1 project- I-405 from I-101 to Los Angeles/Orange County Line)	County	Metro LRTP	Highway	Managed Lanes						2B
405CMCP_0939	Highway Operational Improvements in Las Virgenes/Malibu subregion	The Las Virgenes/ Malibu highway operational improvements include widening, off-ramp, and overpass projects.	Westside Cities	Metro LRTP	Highway	Capacity Enhancement (highway)						NA
405CMCP_0940	I-405, I-110, I-105 and SR-91 Ramp and Interchange Improvements (South Bay)	Constructs improvements in the South Bay to reduce traffic congestion. Examples include auxiliary lanes and ramp reconfigurations.	South Bay Cities	Metro LRTP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_0942	I-110 ExpressLanes Ext South to I-405/I-110 Interchange	Extends the existing I-110 ExpressLanes southward one mile to the I-405 interchange while maintaining current general purpose lanes.	South Bay Cities	Metro LRTP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_0943	I-405 South Bay Curve Improvements	Adds segments of auxiliary lanes in each direction to improve traffic flow at on/off ramps for ten miles from Florence Av to I-110.	South Bay Cities	Metro LRTP	Highway	Auxiliary Lane						2B
405CMCP_0946	LA River Path – San Fernando Valley.	The San Fernando Valley LA River Path will connect the San Fernando Valley to the existing LA River Path near Griffith Park. This 13-mile path will help create a 51-mile continuous active transportation corridor from Long Beach to Warner Center.	San Fernando Valley	Metro LRTP	Active Transportation	Bikeway - Class 1 or 4						1
405CMCP_0947		Route 1: In City of Long Beach on PCH at Anaheim St./Los Altos Ave. Modify signal and install left turn phase	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_0948		Route 1: Class-IV Bike Lane in Long Beach, between Long Beach Traffic Circle and Los Angeles City Limit	Gateway Cities	SHOPP	Active Transportation	Bikeway - Class 1 or 4						1
405CMCP_0949		Route 1: In Long Beach, at Lakewood Boulevard (Route 19) and Los Alamitos Traffic Circle. Install pavement delineation, overhead guide signs and associated roadway improvements.	Gateway Cities	SHOPP	Highway	Safety						3
405CMCP_0950		Route 2: In Los Angeles County, in the City of Los Angeles. from Centinela Avenue to Glendale Avenue UC	Westside Cities	SHOPP	Arterial	State of Good Repair						3
405CMCP_0951		Route 405: Upgrade and Install CCTV Cameras in front of CMSs. LA 2-R18.7, LA 2-81, LA 5-5.45/6.8, LA 5-24.3/85.7, LA 10-15.78/39.8, LA 14-26.95/61.32, LA 110-6.36/20.54, LA 210-9.01/21.02, LA 405-0.1/21.92, LA 710-8.4/26, Ven 101-6.24/39.8, LA 101-11.8, etc.	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_0953		Route 90: TMS Upgrade: Changeable Message Sign Replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	County	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_0954		Route 5: In Los Angeles County, from N Broadway to Sheldon Street OC (on Routes on 5, 10, 91, 605, and 710) - Repair/upgrade pump stations	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_0955		Route 5: LA-05	San Fernando Valley	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_0956		Route 5: On Routes 5 and 126, at various locations	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_0957		Route 5: On LA-118 PM R11.30/R12.80, just east of LA-5/118 Interchange, and on Northbound (NB) LA-5 PM 34.20/34.58 in the City of Los Angeles in Los Angeles County	San Fernando Valley	SHOPP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_0958		Route 5: br health IN LA CO RTE 005 PM 34.58 SUN VALLEY OH 53 1134, 78,889 sf	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_0959		Route 5: In Los Angeles County, on Routes 5, 10, 91, 605, and 710. Repair/upgrade 10 pump stations. North Broadway, Lankershim, Fremont, Atlantic, Garfield (53_0649w), LA River, West Whittier, Clara, Gage, Slauson.	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0960		Route 5: LA 05, PM 36.0- Los Angeles Watershed This is City of LA Department of Water and Power FCO	County	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_0961		Route 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.	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_0962		Route 5: Fr Pacoima Wash to Balboa Blvd	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_0963		Route 5: In Los Angeles County, in Los Angeles, on the northbound 5 to the westbound 118 connector. Remove and reconstruct damaged concrete barrier and repair spalls N5-W118 Connector OC (Bridge Number 53-2329G and replace damaged overhead sign.	San Fernando Valley	SHOPP	Highway	State of Good Repair						3

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405CMCP_0964		Route 210: In Los Angeles County, in the City of Sylmar at the interchanges of LA 5 and LA 210 and LA 5 and LA 14.	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_0965		Route 5: In Los Angeles County, in the City of Sylmar at the LA-5/LA-210 interchange, LA-5/LA-14 interchange and on LA 14	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_0967		Route 5: Seismic - 53 1986 Balboa Blvd OC.	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_0968		Route 5: In LOs Angeles County on Route 5 Truck Tunnel #1 and #2. Lighting Rehabilitation Project.	San Fernando Valley	SHOPP	Highway	Safety						3
405CMCP_0969		Route 10: br rail upgrade In LA Co Route 010 pm S 0.1 CESAR E CHAVEZ AVE OC 53 0392	Westside Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0970		Route 10: 5/10 IC to Fremont Avenue	Westside Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_0971		Route 10: Detection Repairs - On Rte 10 (S 0.18/47.6), on Rte 57 (R0.62/R11.36), on Rte 60 (0.45/R30.37), on Rte 71 (R0.84/R3.89), on Rte 210 (R22.32/R 36.33) and (R36.6/R46.65), on Rte 605 (20.88/25.9), & hubs on Routes 2 (18.6), 5 (6.8), 10 (18.3), 405, 605	County	SHOPP	Highway	State of Good Repair						3
405CMCP_0972		Route 10: At Rte 10/405 IC	Westside Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0973		Route 10: 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.	Westside Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0974		Route 10: On Route 10, from Route 1 to Route 110 - Overhead sign structure and panel replacement (Stand alone sign project)	South Bay Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0975		Route 10: TMS upgrades: In Los Angeles on Route LA-010-PM R2.1/18.31 (from Bundy Drive to Routes 10/5/101 Separation),LA-001-PM R34.5/35.2, LA-002- PM R18.7, LA-101-PM 11.8, LA-105-PM R1.95 from Bundy Drive to Routes 10/5/101 Separation	Westside Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_0976		Route 10: Fr 1/10 Separation to West Blvd	Westside Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0977		Route 10: 5.10 IC to Fremont Avenue. Improve stormwater quality within Santa Monica Bay & Los Angeles River watersheds.	Westside Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_0978		Route 605: Detection Repairs -on LA 2 (14.94/R22.62), 5 (20.7/R59.6), LA 14 (R28.12/R58), LA 101 (.7/37.7), LA 110 (26/29.5), LA 118 (R1.71/R12.3), LA 134 (0/R12.91), LA 170 (R15.26/R20.27), LA 210 (R.32/R21.6), LA 405 (40/48.3), Ven 23, Ven 101, Ven 23, & hubs	Westside Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0979		Route 10: In LA @ Rtes 10/405 IC	Westside Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_0980		Route 10: From Bundy to Hoover - Drainage improvements	Westside Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0981		Route 10: br rail upgrade, 2676 If., In LA Co Rte 010 PM 5.56/6.74 br rail upgrade 53 1623 Sepulveda Blvd UC, 53 1640 Military Ave UC, 53 1634 Coventry Place UC, 53 1617 Westwood Blvd UC, 53 1552 Motor Ave UC	Westside Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0982		Route 22: Entire Route-JCT ST 1 to End of County - Cold Plane and AC Overlay	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0983		Route 22: On State Route 22 at Studebaker Road separation. The scope of work includes realigning the on and off-ramps from WB SR-22 to a new intersection on Studebaker. FCO to City of Long Beach per I-405 settlement agreement with City of Long Beach and OCTA.	Gateway Cities	SHOPP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_0984		Route 90: Detection Repairs - On LA 5 (8.21/20.33), on LA 47 (R0/1.75), on LA 90 (0.93/1.24), on LA 91 (R6.56/R20.7), LA 105 (R0.59/R18.3), LA 110 (R1.58/25.4), LA 405 (0.11/39.09), LA 605 (R0.38/19.99), LA 710 (R5.9/24.89) and Hubs on Routes 2, 5, 405, 605	County	SHOPP	Highway	State of Good Repair						3
405CMCP_0985		Route 105: Communication Upgrades to IP: LA 1 R0.2/R13.36, and R25.97/R40.8; LA 47/103 1.1/3.5; LA 66 0.0/3.22; LA 72 0.3/6.8; LA 90 0.92/3.2	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_0986		Route 90: On Route 47, 90, 107, 110, and 213 on various PMs	South Bay Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0987		Route 90: Culver to Slauson	Gateway Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_0988		Route 90: Fr Centineal Ave UC to Slauson Ave	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0989		Route 91: TMS Upgrade: Changeable Message Sign Replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	County	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_0990		Route 90: Culver MS Building Rehab	Westside Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0991		Route 91: In Los Angeles County, on Route 91, from Route LA 110 to 0.3 mile east of Route LA 710 - CAPM	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_0992		Route 91: Traffic Signals life cycle replacement, install CCTV cameras, signal communications to central system, ADA curb ramps	County	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_0993		Route 91: In Los Angeles County, On Route 91. Overhead Sign Structures Rehabilitation.	Gateway Cities	SHOPP	Highway	State of Good Repair						3

Appendix E: I-405 CMCP Project List												
Project Info							Shovel Worthiness Assessment					Tiering
ProjectID	Name (if applicable)	Short Description	Subregion	Source Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Safety	405 CMCP Tier ²
405CMCP_0994		Route 91: In Los Angeles County in various cities on Route 91 from Route 110 to the Orange County Line	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_0995		Route 91: In the cities of Los Angeles, Long Beach, Signal Hill, Lakewood, Carson and Hawthorn. Mitigate Stormwater quality by using Best Management Practices.	Gateway Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency	○	○	●	●	●	3
405CMCP_0996		Route 91: Rte 91 (6.0/18.0) Rte 405 (0.0/28), Rte 105 (1.5/18.0) and 110 (2.0/12.0)	Gateway Cities	SHOPP	Highway	Safety	●	○	●	○	●	3
405CMCP_0997		Route 91: Detection Repairs - On LA 5 (8.21/20.33), on LA 47 (R0/1.75), on LA 90 (0.93/1.24), on LA 91 (R6.56R20.7), LA 105 (R0.59/R18.3), LA 110 (R1.58/25.4), LA 405 (0.11/39.09), LA 605 (R0.38/19.99), LA 710 (R5.9/24.89) and Hubs on Routes 2, 5, 405, 605	County	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_0998		Route 91: LA-710 (PM R15.99 - 26.11) & LA-91 (PM R6.42 - R6.96), BMPs Improve stormwater quality within Los Angeles River & Dominguez Channel watersheds. Post miles updated 11/2/21.	Gateway Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency	○	○	●	●	●	3
405CMCP_0999		Route 10: Detection Repairs -on LA 2 (14.94/R22.62), 5 (20.7/R59.6), LA 14 (R28.12/R58), LA 101 (.7/37.7), LA 110 (26/29.5), LA 118 (R1.71/R12.3), LA 134 (0/R12.91), LA 170 (R15.26/R20.27), LA 210 (R.32/R21.6), LA 405 (40/48.3), Ven 23, Ven 101, Ven 23, & hubs	County	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1000		Route 91: In Los Angeles County, on westbound LA-91 at Avalon Blvd UC and Santa Fe Ave offramp in the City of Compton. Repair the eroded slopes and undermined shoulders, repair damaged chain link fences and irrigation line, and remove and replace AC dikes.	Gateway Cities	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1001		Route 101: TMS Upgrade: Changeable Message Sign Replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	County	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1002		Route 91: On Routes 710 and 60 and 91, at various locations	Gateway Cities	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1003		Route 91: Seismic, In LA County various locations Rte 710, BR 53 2934, pm 5.95 Rte 91 BR 53 2235,pm 10.19, 2237S, R10.28, 2238K, pm R10.39, Rte 110 BR 53 0397Y, R0.75.	Gateway Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency	○	○	●	●	●	3
405CMCP_1004		Route 91: To repair eroded slopes, inspect existing drainage, replace AC dike and reconstruct the slope.	Gateway Cities	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1005		Route 101: In Los Angeles County in the city of Los Angeles from Rtes 5/10 to Rte 405	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1006		Route 101: 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 (BMPs) and stabilizing soil erosion.	San Fernando Valley	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency	●	○	●	●	●	3
405CMCP_1007		Route 105: TMS Upgrade: Changeable Message Sign Replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	County	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1008		Route 101: Rte 101 (7.75/27.7)	San Fernando Valley	SHOPP	Highway	Safety	●	●	●	○	●	3
405CMCP_1009		Route 101: Fr Rte 101/134 IC to Ventura Cnty Line	San Fernando Valley	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1010		Route 101: JCT Rte 170 to N of Kanan Rd	San Fernando Valley	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1011		Route 101: In Los Angeles County, on Route 101, from Junction 170 to County Line - CAPM, overhead sign structure replacement	San Fernando Valley	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1012		Route 101: seismic retrofit 79,685 sf., In LA Co Route 101 pm 15.38 Los Angeles River 53 1371	San Fernando Valley	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency	○	○	●	●	●	3
405CMCP_1013		Route 101: TMS Upgrades: LA 101 PM 17.1/25.4, LA 10 PM 18.3, LA 2 PM R18.7, LA 405 PM 48.48	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1014		Route 101: On Route 101 at Encino Avenue POC 3821 sf	San Fernando Valley	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1015		Route 105: On Rte 105 at Arthur Ave POC to Studebaker Road	South Bay Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1016		I-105: on various cities, on various routes, at various locations. Upgrade the existing communication system to all fiber optic communications.	South Bay Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1017		Route 105: Fr Rte 1 to Main St.	South Bay Cities	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1018		Route 105: Rte 91 (6.0/18.0) Rte 405 (0.0/28), Rte 105 (1.5/18.0) and 110 (2.0/12.0)	Gateway Cities	SHOPP	Highway	Safety	●	○	●	○	●	3
405CMCP_1020		Route 105: RMS/TMS replacements/upgrades on Rte 105 PM 0.6/18.13 from Sepulveda to Leibacher, and on Rte 2 PM R18.7	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1021		Route 107: TMS Upgrade: Changeable Message Sign Replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	County	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3

Appendix E: I-405 CMCP Project List

Project Info							Shovel Worthiness Assessment					Tiering
ProjectID	Name (if applicable)	Short Description	Subregion	Source Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Safety	405 CMCP Tier ²
405CMCP_1022		Route 105: TMS upgrades: In Los Angeles on Route LA-010-PM R2.1/18.31 (from Bundy Drive to Routes 10/5/101 Separation),LA-001-PM R34.5/35.2, LA-002- PM R18.7, LA-101-PM 11.8, LA-105-PM R1.95 from Bundy Drive to Routes 10/5/101 Separation	Westside Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	🔄	●	🔄	🔄	3
405CMCP_1023		Route 90: Communication Upgrades to IP: LA 1 R0.2/R13.36, and R25.97/R40.8; LA 47/103 1.1/3.5; LA 66 0.0/3.22; LA 72 0.3/6.8; LA 90 0.92/3.2	County	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	🔄	🔄	🔄	🔄	3
405CMCP_1024		Route 405: TMS Upgrades (ATM/CM): LA 405 PM 19.2/25.95, LA 2 PM R18.7, LA 10 PM 18.3, LA 105 PM R1.95, LA 101 PM 11.8 On Rte 405 from Rosecrans Avenue to Rte 90 On Rte 2 at Rte 134, on Rte 10 at Rte 5/60, on Rte 105 at Rte 405, on Rte 101 at Rte 170	South Bay Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	🔄	🔄	🔄	🔄	3
405CMCP_1025		Route 105: Upgrade and Install TMS: LA 710 PM 5.0/9.5, from Ocean Blvd to Rte 405, LA 2 PM R 18.7, LA 10 PM 18.3	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	🔄	🔄	🔄	🔄	3
405CMCP_1026		Route 105: In Los Angeles County in various cities on Route 91 from Route 110 to the Orange County Line	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	🔄	●	🔄	🔄	3
405CMCP_1027		Route 105: Upgrade TMC Video Wall, ATMS Firewall, and ATMS Core Switches on Rte 2 at PM R18.7 and a consultant contract to design the upgrades for the TMC Video Wall, ATMS Firewall, and ATMS Core Switches (\$250,000 16/17FY or \$335,000 2022/23FY)	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	🔄	🔄	🔄	🔄	3
405CMCP_1028		Route 105: ATM/CM with TMS upgrades: Olympic Network Route - ATM, ICM, CV: LA-405 - R25.9-43.756 from Rte 105 to Roscoe Blvd, LARTMC at LA 2 PM R 18.7, North Hollywood HUB at LA 101 PM 7.8, San Fernando Valley HUB at LA 405 PM 48.48, LAX LA 105 PM 2.1	County	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	🔄	🔄	🔄	🔄	3
405CMCP_1029		Route 5: Upgrade and Install CCTV Cameras in front of CMSs. LA 2-R18.7, LA 2-81, LA 5-5.45/6.8, LA 5-24.3/85.7, LA 10-15.78/39.8, LA 14-26.95/61.32, LA 110-6.36/20.54, LA 210-9.01/21.02, LA 405-0.1/21.92, LA 710-8.4/26, Ven 101-6.24/39.8, LA 101-11.8, etc.	County	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	🔄	🔄	🔄	🔄	3
405CMCP_1030		Route 405: Ramp Meter/VDS replacements/upgrades on Rte 405 PM 20.1/48.3 from Rte 105 to Rte 5, and on Rte 2 PM R18.7	South Bay Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	🔄	🔄	🔄	🔄	3
405CMCP_1031		Route 105: In Los Angeles County, in the City of Los Angeles in tunnels at the LA-105/405 Interchange.	South Bay Cities	SHOPP	Highway	State of Good Repair	🔄	○	🔄	🔄	●	3
405CMCP_1032		Route 105: On Routes 105 and 110. Upgrade/Repair 9 pump houses. Imperial Highway, Hawthorne Blvd, Northwest Connector Tunnel, Southwest Connector Tunnel, Prairie Ave, 111th Place OC, Downey Ave, Woodruff Ave, Hoxie Ave	South Bay Cities	SHOPP	Highway	State of Good Repair	🔄	○	🔄	🔄	●	3
405CMCP_1033		Route 105: Near I-105/405 JCT at 5200 West Imperial Highway - construct new MTCE facility, wash rack, and a storage building.	South Bay Cities	SHOPP	Highway	State of Good Repair	🔄	○	🔄	🔄	●	3
405CMCP_1035		Route 105: Tunnel Lighting Rehabilitation at I-105E/I-405N, I-105E/I-405S, and I-105W/I-405S	South Bay Cities	SHOPP	Highway	Safety	🔄	○	🔄	○	●	3
405CMCP_1036		Route 105: Olympic Network Route - ATM, ICM, CV, TMS UPGRADES - LA 105 PM R2.106/13.471, LA 2 PM R18.7, LA 10 PM 18.3	South Bay Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	🔄	🔄	🔄	🔄	3
405CMCP_1037		Route 105: Felton Maintenance Station Replace existing trailers with new office building	South Bay Cities	SHOPP	Highway	State of Good Repair	🔄	○	🔄	🔄	●	3
405CMCP_1039		Route 105: WB I-105 at Crenshaw Bld onramp to Prairie/Hawthorne - add WB Transition lane	South Bay Cities	SHOPP	Highway	Auxiliary Lane	🔄	○	🔄	○	🔄	3
405CMCP_1040		Route 105: EB I-105 from Yukon to Crenshaw Blvd - Add EB Transitional Lane	South Bay Cities	SHOPP	Highway	Auxiliary Lane	🔄	○	🔄	○	🔄	3
405CMCP_1041		Route 105: E/B & WB 105 on/off ramp at Crenshaw Ave - Apply High Friction Surface treatment (HFST)	South Bay Cities	SHOPP	Highway	Safety	🔄	○	🔄	○	●	3
405CMCP_1042		Route 405: Detection Repairs -on LA 2 (14.94/R22.62), 5 (20.7/R59.6), LA 14 (R28.12/R58), LA 101 (.7/37.7), LA 110 (26/29.5), LA 118 (R1.71/R12.3), LA 134 (0/R12.91), LA 170 (R15.26/R20.27), LA 210 (R.32/R21.6), LA 405 (40/48.3), Ven 23, Ven 101, Ven 23, & hubs	San Fernando Valley	SHOPP	Highway	State of Good Repair	🔄	○	🔄	🔄	●	3
405CMCP_1043		Route 105: In the city of Los Angeles, from Vermont Avenue to San Pedro Street; also on Route 110 from Athens Boulevard to 104th street. Install safety lighting, refresh striping and markings, and upgrade guide sign panels.	South Bay Cities	SHOPP	Highway	Safety	🔄	🔄	🔄	○	●	3
405CMCP_1044		Route 405: TMS Upgrade: Changeable Message Sign Replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	South Bay Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	🔄	🔄	🔄	🔄	3
405CMCP_1045		Route 107: In Torrance, from Route 1 to Fashion Way. Replace Asphalt Concrete (AC) pavement and overlay, repair localized failed areas and slurry left turn pockets in both directions.	South Bay Cities	SHOPP	Highway	State of Good Repair	🔄	○	🔄	🔄	●	3
405CMCP_1046		Route 107: In Torrance, on Route 107, from Route 1 to Redondo Beach Boulevard. Upgrade curb ramps to meet ADA standards.	South Bay Cities	SHOPP	Active Transportation	Complete Streets	●	●	●	●	🔄	2A
405CMCP_1047		Route 107: In Torrance, Route 1 to Redondo Beach Boulevard. Pavement rehabilitation. Construct curb ramps and reconstruct driveways/sidewalks to meet Americans with Disabilities Act (ADA) standards.	South Bay Cities	SHOPP	Highway	State of Good Repair	🔄	○	🔄	🔄	●	3
405CMCP_1048		Route 107: On Route 47, 90, 107, 110, and 213 on various PMs	South Bay Cities	SHOPP	Highway	State of Good Repair	🔄	○	🔄	🔄	●	3
405CMCP_1049		Route 107: Torrance Maintenance Station-L5733 Replace Crew Building+ New Wash Rack	South Bay Cities	SHOPP	Highway	State of Good Repair	🔄	○	🔄	🔄	●	3
405CMCP_1050		Route 110: 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.	South Bay Cities	SHOPP	Arterial	State of Good Repair	🔄	○	🔄	🔄	●	3
405CMCP_1051		Route 110: In Los Angeles County in the city of Los Angeles from 9th Street to Rte 5; also on var. Freeway interchanges locations	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	🔄	●	🔄	🔄	3
405CMCP_1052		Route 110: From begin of Route to end of Route	South Bay Cities	SHOPP	Highway	Safety	🔄	○	🔄	○	●	3

Appendix E: I-405 CMCP Project List

Project Info							Shovel Worthiness Assessment					Tiering
ProjectID	Name (if applicable)	Short Description	Subregion	Source Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Safety	405 CMCP Tier ²
405CMCP_1053		Route 110: Complete Streets Improvements for I-110 & SR-110 for pedestrians and bicyclists	South Bay Cities	SHOPP	Active Transportation	Complete Streets						2A
405CMCP_1054		Route 110: Seismic, In LA County various locations Rte 710, BR 53 2934, pm 5.95 Rte 91 BR 53 2235,pm 10.19, 2237S, R10.28, 2238K, pm R10.39, Rte 110 BR 53 0397Y, R0.75.	Gateway Cities	SHOPP	Highway	Sustainability/Climate Change/Resiliency						3
405CMCP_1055		Route 110: on Rte 110 from Gaffey St to Rte 405, on Rte 210 from Rte 5 to Rte 605, on Rte 605 from SB ON from Rte 10 to Rte 605, on Rte 710 from EB Ocean Bl to Rte 405, and on Rte 2 at Rte 134	South Bay Cities	SHOPP	Highway	TSM/ITS/Operational Improvements						3
405CMCP_1056		Route 110: On Route 110, from Channel St. to Alpine St.	South Bay Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1057		Route 110: Rte 91 (6.0/18.0) Rte 405 (0.0/28), Rte 105 (1.5/18.0) and 110 (2.0/12.0)	South Bay Cities	SHOPP	Highway	Safety						3
405CMCP_1058		Route 105: Detection Repairs - On LA 5 (8.21/20.33), on LA 47 (R0/1.75), on LA 90 (0.93/1.24), on LA 91 (R6.56R20.7), LA 105 (R0.59/R18.3), LA 110 (R1.58/25.4), LA 405 (0.11/39.09), LA 605 (R0.38/19.99), LA 710 (R5.9/24.89) and Hubs on Routes 2, 5, 405, 605	County	SHOPP	Highway	State of Good Repair						3
405CMCP_1059		Route 110: On Route 47, 90, 107, 110, and 213 on various PMs	South Bay Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1060		Route 110: Fr L St to 168th St	South Bay Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1061		Route 110: On Route 110 and 47, PM 3.8 to 28.237 and 0.167 to 4.68 respectively. Overhead Sign Structure Rehabilitation.	South Bay Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1062		Route 110: Various locations along Route 110 from Pacific Coast Highway and 223rd St	Gateway Cities	SHOPP	Highway	Sustainability/Climate Change/Resiliency						3
405CMCP_1063		Route 110: Bet West Anaheim St and E 228th St	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1064		Route 110: Olympic Network Route - ATM, ICM, CV: LA-110 - 4.063-23.727 from LA 1 to LA 101, LA 2 PM R 18.7, LA 10 PM 18.3, LA 105 PM 2.1	South Bay Cities	SHOPP	Highway	TSM/ITS/Operational Improvements						3
405CMCP_1065		Route 110: Lomita to 190th	South Bay Cities	SHOPP	Highway	Sustainability/Climate Change/Resiliency						3
405CMCP_1066		Route 110: In Los Angeles County, in southbound LA-110 at 223rd St. and northbound LA-110 at 190th St. in the City of Carson & Torrance. Repair the eroded slope, repair drainage system, stabilize base of RCB, and repair undermined shoulder and pavement.	South Bay Cities	SHOPP	Highway	Sustainability/Climate Change/Resiliency						3
405CMCP_1068		Route 110: TMS Upgrade: Changeable Message Sign Replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	County	SHOPP	Highway	TSM/ITS/Operational Improvements						3
405CMCP_1069		Route 110: In Los Angeles County, Big CARSON ST OC 07-LA-00110-7.03, 54th STREET 07-LA-110 - 18.32, 30TH STREET 07-LA-110-20.435. Replace 3 Pump Plants.	South Bay Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1070		Route 110: Install WIM RTE NB 110 to SB 405, RTE SB 110 to SB 405 and on SB 405 near SB Carson CVEF	South Bay Cities	SHOPP	Highway	TSM/ITS/Operational Improvements						3
405CMCP_1071		Route 105: In the cities of Los Angeles, Long Beach, Signal Hill, Lakewood, Carson and Hawthorn. Mitigate Stormwater quality by using Best Management Practices.	Gateway Cities	SHOPP	Highway	Sustainability/Climate Change/Resiliency						3
405CMCP_1072		Route 110: 190 th To Manchester	San Fernando Valley	SHOPP	Highway	Sustainability/Climate Change/Resiliency						3
405CMCP_1073		Route 110: Northbound I-110 to Eastbound Rte 91 connector	South Bay Cities	SHOPP	Highway	Safety						3
405CMCP_1074		Route 110: On Route 110 in Los Angeles County, 0.3 miles south of Redondo Beach blvd	South Bay Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1076		Route 118: TMS Upgrades: LA 118 PM R1.1/R14.4, from Iverson to LA 210, LA 2 PM R18.7, LA 101 PM 11.8	San Fernando Valley	SHOPP	Highway	TSM/ITS/Operational Improvements						3
405CMCP_1077		Route 118: Rte LA118, 1.50/10.20	San Fernando Valley	SHOPP	Highway	Sustainability/Climate Change/Resiliency						3
405CMCP_1078		Route 118: Detection Repairs - On LA 5 (8.21/20.33), on LA 47 (R0/1.75), on LA 90 (0.93/1.24), on LA 91 (R6.56R20.7), LA 105 (R0.59/R18.3), LA 110 (R1.58/25.4), LA 405 (0.11/39.09), LA 605 (R0.38/19.99), LA 710 (R5.9/24.89) and Hubs on Routes 2, 5, 405, 605	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1079		Route 118: Install retroreflective sheeting on existing backplates or replace existing backplates with backplates w/ retroreflective sheeting on signal heads and install "SIGNAL AHEAD" pavement markings.	County	SHOPP	Highway	State of Good Repair						3
405CMCP_1080		Route 118: Fr Winnetka Ave to Laurel Canyon Blvd	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1081		Route 118: In Los Angeles County, (Porter Ranch, Sylmar, Lake View Terrace and Sunland) on LA-210 and LA-118 at various post miles. Repair fire damaged slopes, repair MBGR, replace signs, and protect support slopes	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1082		Route 118: From 700 ft. west of Tampa Ave to Woodley Ave	San Fernando Valley	SHOPP	Highway	State of Good Repair						3

Appendix E: I-405 CMCP Project List												
Project Info							Shovel Worthiness Assessment					Tiering
ProjectID	Name (if applicable)	Short Description	Subregion	Source Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Safety	405 CMCP Tier ²
405CMCP_1083		Route 118: In Los Angeles County on WB LA-118 offramp to Reseda Blvd at PM 5.73 in the City of Porter Ranch. Repair the undermined roadway, repair AC dike, reconstruct MBGR & support slope, and repair the damaged irrigation pipe.	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1084		Route 118: In the city of Los Angeles, near the community of Porter Ranch, at Reseda Boulevard. Replace culvert and reconstruct embankment and roadway.	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1085		Route 91: Detection Repairs -on LA 2 (14.94/R22.62), 5 (20.7/R59.6), LA 14 (R28.12/R58), LA 101 (.7/37.7), LA 110 (26/29.5), LA 118 (R1.71/R12.3), LA 134 (0/R12.91), LA 170 (R15.26/R20.27), LA 210 (R.32/R21.6), LA 405 (40/48.3), Ven 23, Ven 101, Ven 23, & hubs	County	SHOPP	Highway	State of Good Repair						3
405CMCP_1086		Route 118: In LA & Ventura Cos, on LA 101 from Route 405 to Co Line, 101 from LA County to Hampshire Rd, LA 118 from Ruffenr Ave to Foothill Blvd, Ven 118 from 0.25 mi w/o Madera Rd to Sycamore Dr - OHS Structure Rehabilitation	San Fernando Valley	SHOPP	Highway	Safety						3
405CMCP_1088		Route 118: From Woodley Ave to Rte 118/405 IC	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1089		Route 118: Fr Sepulveda Blvd to Rte 118/405 IC	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1091		Route 118: Rte LA 118, 11.00/14.00	San Fernando Valley	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_1092		Route 118: On LA-118 PM R11.30/R12.80, just east of LA-5/118 Interchange, and on Northbound (NB) LA-5 PM 34.20/34.58 in the City of Los Angeles in Los Angeles County	San Fernando Valley	SHOPP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_1093		Route 118: In City of Pacoima on Rte 118 between Herrick Ave and Rte 210 - Lining/Replace-damaged pipe with holes	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1095		Route 210: In Los Angeles County, in the City of Sylmar at the LA-5/LA-210 interchange, LA-5/LA-14 interchange and on LA 14	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1096		Route 210: In the city of Los Angeles, from Route 5 to 0.3 mile east of Wheatland Avenue. Rehabilitate roadway and construct storm water treatment Best Management Practices (BMPs) to reduce Trash Total Maximum Daily Load (TMDL).	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1097		Route 210: Fr Rte 5/210 IC to Lowell Ave	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1098		Route 405: Install TMS: LA 210 PM 0/19, LA 2 PM R18.7, LA 101 PM 11.7, LA 405 PM 48	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1099		Route 210: Detection Repairs - On Rte 10 (S 0.18/47.6), on Rte 57 (R0.62/R11.36), on Rte 60 (0.45/R30.37), on Rte 71 (R0.84/R3.89), on Rte 210 (R22.32/R 36.33) and (R36.6/R46.65), on Rte 605 (20.88/25.9), & hubs on Routes 2 (18.6), 5 (6.8), 10 (18.3), 405, 605	County	SHOPP	Highway	State of Good Repair						3
405CMCP_1100		Route 105: Detection Repairs -on LA 2 (14.94/R22.62), 5 (20.7/R59.6), LA 14 (R28.12/R58), LA 101 (.7/37.7), LA 110 (26/29.5), LA 118 (R1.71/R12.3), LA 134 (0/R12.91), LA 170 (R15.26/R20.27), LA 210 (R.32/R21.6), LA 405 (40/48.3), Ven 23, Ven 101, Ven 23, & hubs	County	SHOPP	Highway	State of Good Repair						3
405CMCP_1101		Route 210: On Route 210, 134 and 710 at various locations	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1102		Route 210: In Los Angeles County, In Los Angeles (Porter Ranch, Sylmar, Lake View Terrace and Sunland) on LA-210 and LA-118 at various post miles. Repair fire damaged slopes, repair MBGR, replace signs, and protect support slopes	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1103		Route 5: Seismic - On Rte 5 53 1011 LA Aqueduct Channel, 53 1012 LA Viaduct Penstock, 53 1986 Balboa Blvd OC Moved to ID # 23182), on Rte 210, 53 2105G E210-W118 Connector OC, on Rte 91 53 1704 Rte91/605 Separation, on Rte 605 53 1981G N605-E210 Connector OC (158,	Gateway Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_1104		Route 105: Upgrade and Install CCTV Cameras in front of CMSs. LA 2-R18.7, LA 2-81, LA 5-5.45/6.8, LA 5-24.3/85.7, LA 10-15.78/39.8, LA 14-26.95/61.32, LA 110-6.36/20.54, LA 210-9.01/21.02, LA 405-0.1/21.92, LA 710-8.4/26, Ven 101-6.24/39.8, LA 101-11.8, etc.	County	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1106		Route 210: In Los Angeles County, on Route 210 from 0.2 mile west of Big Tujunga Wash bridge to Dunsmore Ave Undercrossing - Minor Pavement Rehab (CAPM)	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1107		Route 210: At various locations along Route 210. Upgrade ADA infrastructure to standard	San Fernando Valley	SHOPP	Active Transportation	Pedestrian Improvements						3
405CMCP_1108		Route 210: Health and Seismic In LA Co rte 101 pm 7.06 ARGYLE-FRANKLIN UC 53 0680, Health rte 210 pm 9.89 Big Tujunga Wash 53 2249.	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1109		Route 210: LA 2 (PM 15.1-52.9; PM62.5-64.1; PM 74.7-78.0), LA 210 (PM 10.0-24.0)	San Fernando Valley	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_1110		Route 210: On LA-210, near Sunland Blvd, from PM R11.0 to R11.5. 6 Total culverts. 1 Replace and 5 Lining.	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1111		Route 210: In the city of Los Angeles, from Sundland Boulevard to 0.6 mile east of La Tuna Canyon Road. Repair fire damaged facilities.	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1112		Route 210: In Los Angeles County, on EB LA-210 at PM 11.36 and WB LA-210 at PM 19.05 in the City of Shadow Hills & La Canada. Reconstruct the eroded slope, repair the damaged drainage system, and repair the undermined shoulder and AC dike.	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1113		Route 213: On Route 47, 90, 107, 110, and 213 on various PMs	South Bay Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1114		Route 213: Western Avenue (Rte 213) at Del Amo Blvd in city of Torrance. Modify the existing traffic control signal with the installation of protected left turn phases and upgrade curb ramps	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3

Appendix E: I-405 CMCP Project List												
Project Info							Shovel Worthiness Assessment					Tiering
ProjectID	Name (if applicable)	Short Description	Subregion	Source Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Safety	405 CMCP Tier ²
405CMCP_1115		Route 405: IN LA CO RTE 405 PM 0/1.00 SAN GABRIEL RIVER BRIDGE 53 1185 AND 53 1737H. 2018 SHOPP 20/21 FY RTL 2021.	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1116		Route 405: In Los Angeles County, from LA/OR county line to 405/110. Slab replacement and AC overlay, upgrade and replace MBGR and Concrete Barrier, and heat straighten damaged girder #2, span #1 of LA River Bridge (53-1209)	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1117		Route 405: TMS Upgrades, V to I, bluetooth: LA 405 PM 0/R21.2 From Orange County Line to Rte 605, LA 2 Pm R18.7, LA 5 PM 6.8, LA 10 PM 18.3, LA 105 PM R1.95	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1118		Route 405: Detection Repairs - On LA 5 (8.21/20.33), on LA 47 (R0/1.75), on LA 90 (0.93/1.24), on LA 91 (R6.56R20.7), LA 105 (R0.59/R18.3), LA 110 (R1.58/25.4), LA 405 (0.11/39.09), LA 605 (R0.38/19.99), LA 710 (R5.9/24.89) and Hubs on Routes 2, 5, 405, 605	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1119		Route 405: RMS Upgrades: LA 405 PM 0.1/20.1 from Rte 605 to Rte 105	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1120		Route 110: Upgrade and Install CCTV Cameras in front of CMSs. LA 2-R18.7, LA 2-81, LA 5-5.45/6.8, LA 5-24.3/85.7, LA 10-15.78/39.8, LA 14-26.95/61.32, LA 110-6.36/20.54, LA 210-9.01/21.02, LA 405-0.1/21.92, LA 710-8.4/26, Ven 101-6.24/39.8, LA 101-11.8, etc.	County	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1122		Route 405: In Los Angeles County, in the City of Long Beach on LA-405 at and near Atherton Street UC.	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1123		Route 405: Rte 91 (6.0/18.0) Rte 405 (0.0/28), Rte 105 (1.5/18.0) and 110 (2.0/12.0)	South Bay Cities	SHOPP	Highway	Safety						3
405CMCP_1124		Route 405: In Long Beach and Signal Hill, from Los Cerritos Channel to Pacific Avenue.	Gateway Cities	SHOPP	Arterial	TSM/ITS/ Operational Improvements						3
405CMCP_1125		Route 405: Fr Bellflower Blvd to Artesia Blvd	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1126		Route 405: Bet I-710 and I-110	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1127		Route 405: At Pacific Place MS-at 3725 Pacific Place in the City of Long Beach-L5823 Construct a new crew building	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1128		Route 405: seismic retrofit 20,570 sf., In LA Co Route 405 pm 7.66 S405-N710/710 SEPARATION 53 1422F.	Gateway Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_1129		Route 405: Delores Yard OH drainage 53 1168 146,066 sf	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1131		Route 405: Transition bypass lane along I-405.	County	SHOPP	Highway	Auxiliary Lane						3
405CMCP_1132		Route 405: In Carson, from Del Amo Boulevard Overcrossing to Vermont Avenue (190th) Undercrossing. Reconstruct commercial vehicle enforcement facility.	South Bay Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1133		Route 405: Figueroa St to 91/405 IC	Gateway Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_1135		Route 405: Fr Jct 405/110 to just north of Jct 405/105	South Bay Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1136		Route 405: Artesia Maintenance Station L5822 New Office Building, new wash rack, add storeroom as part of new bldg., and metal canopy.	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1137		Route 405: On Route 405 PM 13.6/29.5, from 0.25 miles east of Normandie to Route 10	Westside Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1138		Route 405: NB 405 Off Ramp to Western Ave. - widen off-ramp	South Bay Cities	SHOPP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_1139		Route 405: SB Rte 405 on ramp at Western Av/190th ST- Widen on-ramp	South Bay Cities	SHOPP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_1140		Route 405: NB 405 off ramp at Crenshaw Blvd - Widen off ramp and modify signal at terminus	South Bay Cities	SHOPP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_1141		Route 405: I-405 @ Artesia Blvd. Modify NB On-Ramp by adding a third lane.	South Bay Cities	SHOPP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_1142		Route 405: NB 405 from Hawthorne Blvd to Inglewood Ave - Add Transitional lane	South Bay Cities	SHOPP	Highway	Auxiliary Lane						3
405CMCP_1143		Route 405: In Los Angeles County, on Route 405 PM 17.56 at Route 405/107 Separation; Br. No. 53-1231. Bridge Seismic Restoration.	South Bay Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1144		Route 405: NB 405 from Inglewood Ave to Rosecrans Ave - Add Transitional lane	South Bay Cities	SHOPP	Highway	Auxiliary Lane						3
405CMCP_1145		Route 405: In Los Angeles County, in the City of Hawthorne on northbound LA-405 at the Rosecrans Ave offramp. Repair broken irrigation line, repair eroded slope, place hydroseeding and jute mesh, repair damaged pavement and chain link fence.	South Bay Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1146		Route 405: SB 405 off ramp at Rosecrans Ave. - Widen off-ramp and install traffic signal at terminus	South Bay Cities	SHOPP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_1147		Route 105: TMS Upgrades (ATM/CM): LA 405 PM 19.2/25.95, LA 2 PM R18.7, LA 10 PM 18.3, LA 105 PM R1.95, LA 101 PM 11.8 On Rte 405 from Rosecrans Avenue to Rte 90 On Rte 2 at Rte 134, on Rte 10 at Rte 5/60, on Rte 105 at Rte 405, on Rte 101 at Rte 170	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1148		Route 105: Ramp Meter/VDS replacements/upgrades on Rte 405 PM 20.1/48.3 from Rte 105 to Rte 5, and on Rte 2 PM R18.7	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements						3

Appendix E: I-405 CMCP Project List

Project Info							Shovel Worthiness Assessment					Tiering
ProjectID	Name (if applicable)	Short Description	Subregion	Source Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Safety	405 CMCP Tier ²
405CMCP_1149		Route 405: SB 405 on ramp from SB La Cienega Blvd/Florence - Widen on-ramp	South Bay Cities	SHOPP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_1151		Route 405: In and near the cities of Inglewood, Los Angeles, and Culver City, from 105 to Port Road.	Westside Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1152		Route 405: I-405 @ Manchester Ave. Widen NB offramp and close Ash Ave	South Bay Cities	SHOPP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_1153		Route 405: ATM/CM with TMS upgrades: Olympic Network Route - ATM, ICM, CV: LA-405 - R25.9-43.756 from Rte 105 to Roscoe Blvd, LARTMC at LA 2 PM R 18.7, North Hollywood HUB at LA 101 PM 7.8, San Fernando Valley HUB at LA 405 PM 48.48, LAX LA 105 PM 2.1	South Bay Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1154		Route 405: In Los Angeles County, from Rte 110 to Rte 105 and from Venice Blvd to Wilshire Blvd - CAPM; install concrete barrier and upgrade MBGR, install BMPs	Westside Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1155		Route 405: In the city of Los Angeles, near Westwood and Sherman Oaks, from Venice Boulevard to Route 101. Pavement rehabilitation.	Westside Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1156		Route 405: In Los Angeles County, from Wilshire Blvd to Victory Blvd - Rehabilitate distressed PCC. Drainage Rehabilitation - 10 culverts	Gateway Cities	SHOPP	Highway	State of Good Repair						3
405CMCP_1157		Route 405: In the city of Los Angeles, near Bel Air, from Sunset Boulevard to south of Bel Air Crest Road.	Westside Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1158		Route 405: In Los Angeles County, in Los Angeles (Bel Air) from Getty Center Drive (PM 34.0) to Bel Air Crest Road (PM 35.9). Repair fire-damaged slopes, clean drainage systems and to protect the slopes from post fire erosion.	San Fernando Valley	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_1159		Route 405: In LA County Rte Rte 210 BR 53 1879 pm R38.58 and 53 1887 pm R38.96; Rte 405 BR 53 1254; pm 34.21 Rte 605 BR 53 2038, pm 23.96, 53 2053 pm 22.15	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1160		Route 405: CCTV Camera upgrades/replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	County	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1161		Route 405: SB Ventura On Ramp - Modify ramp	San Fernando Valley	SHOPP	Highway	Ramp/ Interchange Enhancement						3
405CMCP_1162		Route 118: Detection Repairs -on LA 2 (14.94/R22.62), 5 (20.7/R59.6), LA 14 (R28.12/R58), LA 101 (.7/37.7), LA 110 (26/29.5), LA 118 (R1.71/R12.3), LA 134 (0/R12.91), LA 170 (R15.26/R20.27), LA 210 (R.32/R21.6), LA 405 (40/48.3), Ven 23, Ven 101, Ven 23, & hubs	County	SHOPP	Highway	State of Good Repair						3
405CMCP_1163		Route 405: Burbank Blvd to Rtes 5/405 Separation	San Fernando Valley	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_1164		Route 405: In Los Angeles County, from Victory Blvd to Rte 5 - CAPM.	San Fernando Valley	SHOPP	Highway	State of Good Repair						3
405CMCP_1165		Route 405: Van Ness SB NB WIM	South Bay Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1166		Route 405: Install V-I and Bluetooth: LA 405 PM 43.7/48.6, From Roscoe Blvd to Rte 5, LA 2 PM R18.7, LA 101 PM 11.7	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1167		Route 405: Mission Hills Maintenance Station New Office Building +Garage + install ZEV charging stations	San Fernando Valley	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency						3
405CMCP_1168		Route 405: Install TMS: LA 5 PM 59/74.4, From Parker Road to Vista Del Lago, LA 2 PM R18.7, LA 405 PM 48, LA 101 PM 11.7	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1169		Route 405: Install TMS: LA 5 PM 74.4/88.6 From Vista el Lago to Kern County Line, LA 2 PM R18.7, LA 101 PM 11.7, LA 405 PM 48	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1170		Route 5: TMS Upgrade: Changeable Message Sign Replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1171		Route 405: TMS Upgrades: LA 14 PM 33.1/58.1, LA 2 PM R18.7, LA 101 PM 11.7, LA 405 PM 48	Westside Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1172		Route 405: Install TMS: Ven 101 PM 13.8/27, LA 2 PM R18.7, LA 10 PM 18.3, LA 101 PM 11.7, LA 405 PM 48	San Fernando Valley	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1173		Route 405: Install TMS: LA 14 PM 58.1/74.2, From Avenue S to Avenue D, LA 2 PM R18.7, LA 101 PM 11.7, LA 405 PM 48	Westside Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1174		Route 405: Install TMS: Ven 101 PM 25.5/43.6, From 0.9 Mile South of Rte 126 to Santa Barbara County Line, LA 2 PM R18.7, LA 10 PM 18.3, LA 101 PM 11.7, LA 405 PM 48	Westside Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements						3
405CMCP_1175		Route 405: Remove debris, place slope protection (erosion control blanket)	San Fernando Valley	SHOPP	Highway	State of Good Repair						3

Appendix E: I-405 CMCP Project List												
Project Info							Shovel Worthiness Assessment					Tiering
ProjectID	Name (if applicable)	Short Description	Subregion	Source Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Safety	405 CMCP Tier ²
405CMCP_1176		Route 405: Upgrade and Install TMS: On Rte 14 from Rte 5 to San Canyon Road, LARTMC at LA 2 PM R18.7, San Fernando Valley at LA 405 PM 48.48, North Hollywood HUB at LA 101 PM 11.8	Westside Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1177		Route 605: Fr LA/CO Co Line to 183rd St	South Bay Cities	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1178		Route 605: Rte LA 605, 0.00/8.50	Gateway Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency	○	○	●	●	●	3
405CMCP_1179		Route 605: Cayote Creek Bridge to Telegraph UC	Gateway Cities	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1180		Route 605: In Los Angeles County from Los Angeles/Orange County Line to Rte 210	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1181		Route 605: Install V-I and Bluetooth: LA 605 PM)/26, From Orange County Line to Rte 210	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1182		Route 605: RMS/TMS replacements/upgrades on Rte 605 PM 0.23/25 from Spring St to Rte 210, LA 2 at PM R18.7	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1183		Route 605: Detection Repairs - On LA 5 (8.21/20.33), on LA 47 (R0/1.75), on LA 90 (0.93/1.24), on LA 91 (R6.56/R20.7), LA 105 (R0.59/R18.3), LA 110 (R1.58/25.4), LA 405 (0.11/39.09), LA 605 (R0.38/19.99), LA 710 (R5.9/24.89) and Hubs on Routes 2, 5, 405, 605	San Fernando Valley	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1184		Route 605: On routes 105 and 605 at various locations.	Gateway Cities	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1185		Route 118: TMS Upgrade: Changeable Message Sign Replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	County	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1186		Route 210: Detection Repairs -on LA 2 (14.94/R22.62), 5 (20.7/R59.6), LA 14 (R28.12/R58), LA 101 (.7/37.7), LA 110 (26/29.5), LA 118 (R1.71/R12.3), LA 134 (0/R12.91), LA 170 (R15.26/R20.27), LA 210 (R.32/R21.6), LA 405 (40/48.3), Ven 23, Ven 101, Ven 23, & hubs	County	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1187		Route 710: Complete Streets Improvements for I-710 for pedestrians and bicyclists	Gateway Cities	SHOPP	Active Transportation	Complete Streets	●	●	●	●	●	2A
405CMCP_1189		Route 710: Upgrade and Install TMS: LA 710 PM 5.0/9.5, from Ocean Blvd to Rte 405, LA 2 PM R 18.7, LA 10 PM 18.3	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1190		Route 110: Detection Repairs - On LA 5 (8.21/20.33), on LA 47 (R0/1.75), on LA 90 (0.93/1.24), on LA 91 (R6.56/R20.7), LA 105 (R0.59/R18.3), LA 110 (R1.58/25.4), LA 405 (0.11/39.09), LA 605 (R0.38/19.99), LA 710 (R5.9/24.89) and Hubs on Routes 2, 5, 405, 605	County	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1191		Route 710: Seismic, In LA County various locations Rte 710, BR 53 2934, pm 5.95 Rte 91 BR 53 2235,pm 10.19, 2237S, R10.28, 2238K, pm R10.39, Rte 110 BR 53 0397Y, R0.75.	Gateway Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency	○	○	●	●	●	3
405CMCP_1192		Route 710: In Los Angeles County, On Route 710, from 0.18 mile s/o W Shoreline Dr to SB Off to NB Rte1	Gateway Cities	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1193		Route 710: In City of Long Beach, on SR 710 between Shoreline Drive and Alondra Blvd - Provide safe access and safety measures to reduce repetitive maintenance activities at various locations	Gateway Cities	SHOPP	Highway	Safety	●	○	●	○	●	3
405CMCP_1194		Route 710: In LA Co, on LA 710 from W Anaheim St to Valley Blvd - Rehab overhead sign structures and replace sign panels	Gateway Cities	SHOPP	Highway	Safety	●	○	●	○	●	3
405CMCP_1195		Route 710: LA 710 Improve stormwater quality within Los Angeles River watershed	Gateway Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency	○	○	●	●	●	3
405CMCP_1196		Route 710: In LA County, on Route 710, from 0.2 mile n/o Route 1 to 0.1 mile s/o of Slausson Ave - CAPM	Gateway Cities	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_1197		Route 210: TMS Upgrade: Changeable Message Sign Replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	County	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1198		Route 210: Upgrade and Install CCTV Cameras in front of CMSs. LA 2-R18.7, LA 2-81, LA 5-5.45/6.8, LA 5-24.3/85.7, LA 10-15.78/39.8, LA 14-26.95/61.32, LA 110-6.36/20.54, LA 210-9.01/21.02, LA 405-0.1/21.92, LA 710-8.4/26, Ven 101-6.24/39.8, LA 101-11.8, etc.	County	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1227	Mobility Plan 2035 - Bicycle Enhanced Network	The Mobility Plan 2035—one of the Elements of the City's General Plan—lays out the policy foundation for achieving a transportation system that balances the needs of all road users. The Bicycle Enhanced Network is comprised of protected bicycle lanes, and bicycle paths to provide bikeways for a variety of users. This low-stress network provides a higher level of comfort than just a striped bicycle lane.	County	Metro SPL	Active Transportation	Bikeway - Class 1 or 4	●	●	●	●	●	2A

Appendix E: I-405 CMCP Project List												
Project Info							Shovel Worthiness Assessment					Tiering
ProjectID	Name (if applicable)	Short Description	Subregion	Source Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Safety	405 CMCP Tier ²
405CMCP_1229	Mobility Plan 2035 - Neighborhood Enhanced Network - Bicycle Boulevards	The Mobility Plan 2035—one of the Elements of the City's General Plan—lays out the policy foundation for achieving a transportation system that balances the needs of all road users. The Neighborhood Enhanced Network is a selection of streets that provide comfortable and safe routes for localized travel of slower-moving modes such as walking, bicycling, or other slow speed motorized means of travel. This network complements the Pedestrian Enhanced Districts and the Bicycle Enhanced Network by identifying non-arterial streets important to the movement of people who walk and bike. Planning efforts, like Stress Free Connections, seek to build out the Neighborhood Enhanced Network for people of all ages and abilities to safely access jobs, transit, and key destinations.	County	Metro SPL	Active Transportation	Complete Streets	●	●	●	●	●	2A
405CMCP_1230	Mobility Plan 2035 - Pedestrian Enhanced Districts	The Mobility Plan 2035—one of the Elements of the City's General Plan—lays out the policy foundation for achieving a transportation system that balances the needs of all road users. The Pedestrian Enhanced Districts (PEDs) provided in the maps section in Chapter 6 of the Plan call out initial analysis done to find out where pedestrian improvements on arterial streets could be prioritized to provide better walking connections to and from the major destinations within communities. Further analysis and prioritization will be done as funding and projects come through based on safety, public health, equity, access, social, and/or economic benefit objectives.	County	Metro SPL	Active Transportation	Pedestrian Improvements	●	●	●	●	●	2A
405CMCP_1231	Mobility Plan 2035 - Vehicle Enhanced Network	The Mobility Plan 2035—one of the Elements of the City's General Plan—lays out the policy foundation for achieving a transportation system that balances the needs of all road users. In response to the need to accommodate regional traffic to and from the freeways on city streets, the Vehicle Enhanced Network (VEN) was developed. The Vehicle Enhanced Network (VEN) identifies 79 miles of arterials, important to vehicular movement, that carry between 30,000 and 80,000 vehicles per day, traverse 10 miles or more through the City, and provide access to freeways and critical facilities. The Plan addresses maintaining access for vehicular users particularly by identifying gaps in the regional freeway system. Safety and targeted operating speeds are still key as part of the design and operation of VEN streets. The overall intent of the VEN is to provide streets that prioritize vehicular movement and offer safe, consistent travel speeds and reliable travel times	County	Metro SPL	Arterial	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_1232	Mobility Plan 2035 - Goods Movement Network	The Mobility Plan 2035—one of the Elements of the City's General Plan—lays out the policy foundation for achieving a transportation system that balances the needs of all road users. Goods movement is a regional issue that requires collaboration among many departments across cities in the Southern California area. The City of LA is committed to working with regional partners including Metro on the goods movement network and the Countywide Strategic Truck Arterial Network, which identifies the region's key arterials necessary for the movement of goods.	County	Metro SPL	Goods Movement	Grade Separation and Crossing Projects	●	●	●	●	●	3
405CMCP_1233	Mobility Hubs Projects	Mobility Hubs will provide a seamless user experience for transit users to access mobility choices located at and around transit stations to maximize connectivity. Program elements could include integrated payment options, station area wayfinding, cohesive bus stop zones, comfortable transit shelters with real-time arrival information, co-located micromobility including bike share and car share stations, pick up/drop off areas, Wi-Fi service, bicycle parking, bicycle repair facilities, retail, and comfortable open spaces. Recently, the cities of Los Angeles and Long Beach, and LA Metro published an innovative RFP to request proposals to implement Integrated Mobility Hubs in DTLA, Hollywood, and Long Beach, at and around rail stations. A 3 year pilot is expected to commence soon.	County	Metro SPL	Active Transportation	First Last Mile	●	●	●	●	●	2A
405CMCP_1234	Great Streets projects	The Great Streets Initiative focuses on 18 corridors across the city, aiming to energize public space, provide economic revitalization, increase public safety, enhance local culture, and support great neighborhoods. Mayor Eric Garcetti launched the Great Streets Initiative to help re-imagine neighborhood centers, one main street at a time. By reimagining our streetscape, we can create transformative gathering places for Angelenos to come together, whether they travel by car, transit, bike or on foot. We are changing our streets with near-term treatments, like intersection tightenings and bicycle lanes. In the long-term, we will make permanent changes to curbs, signals, crossings, street lighting, street trees, and street furniture. (Crenshaw, Venice, Van Nuys (2 locations), Gaffey, and Westwood are the corridor relevant great streets)	County	Metro SPL	Active Transportation	First Last Mile	●	●	●	●	●	2A
405CMCP_1236	Countywide Vision Zero Program	Establish a countywide regional Vision Zero program aimed at reducing the occurrence and severity of collisions prioritizing highest need areas of LA County. Vision Zero is a strategy to eliminate all traffic fatalities and severe injuries, while increasing safe, healthy, equitable mobility for all.	County	Metro SPL	Active Transportation	Complete Streets	●	●	●	●	●	2A
405CMCP_1237	Countywide Safe Routes to School Program	Establish a countywide regional Safe Routes to School Program aimed at bringing safety improvements to streets connecting to the highest need schools in LA County, and safety education into school communities to create a culture that prioritizes safety for all.	County	Metro SPL	Active Transportation	Complete Streets	●	●	●	●	●	2A
405CMCP_1238	Regionally significant projects from the Metro Active Transportation Plan	Implement regionally significant active transportation projects adopted as part of the Metro Active Transportation Plan	County	Metro SPL	Active Transportation	Complete Streets	●	●	●	●	●	2A
405CMCP_1239	BlueLA Car Share System (Expansion and ongoing O&M)	Expand regional carshare networks including the BlueLA EV carshare system in Los Angeles to support multi-modal connectivity, reduced reliance on vehicle ownership, and reduced GHG.	County	Metro SPL	Arterial	VMT Reduction	●	●	●	●	○	3
405CMCP_1240	ATSAC 3.0 Program (Capital Enhancements)	The Automated Traffic Surveillance and Control (ATSAC) Center uses real-time detector loops between and at intersections, and changes the signal timing as traffic conditions change. ATSAC also supports LA Metro to move its trains and buses faster. LADOT continues to make advancements in ATSAC and is working on a 2.0 system.	County	Metro SPL	Arterial	TSM/ITS/ Operational Improvements	●	●	●	●	●	3

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405CMCP_1241	Code the Curb Program	LADOT is developing a digital map of the City's traffic signs, painted curbs, and other regulatory tools to help guide the movement of people and goods throughout the city. This new tool will give Los Angeles a digital approach to managing the public right-of-way. It will also help LADOT govern how private mobility service providers operate in our city in real time. LADOT operates the most advanced signal system in the country, which will integrate well with autonomous technology. In the meantime, LADOT is working to inventory all of its curbs, signs, and markings to guide residents and vendors more efficiently through our streets. When complete, this digital inventory will make parking regulations easier to understand and will help LADOT improve sign design and policy. LADOT's open development approach for Code the Curb is designed so that others benefit from our digital map and can easily collaborate with us to make it even better. Code the Curb system design and proof-of-concept demonstrations would improve curbside mobility management for various modes including transit, freight, PUDO, and personal vehicle parking. LADOT was recently been awarded SCAG Smart Cities & Mobility Innovations grant to pursue a pilot program.	County	Metro SPL	Highway	State of Good Repair						3
405CMCP_1242	Zero Emissions Areas	In response to Council File 21-0147, LADOT proposes to pilot and evaluate a new curb regulation that designates high-demand curbside zones for exclusive use and access by zero-emission delivery vehicles. These Zero Emission Delivery Zones (ZEDZ) will benefit urban freight and last mile delivery providers who use zero-emission vehicles to deliver goods and parcels in high-density neighborhoods, and accelerate the adoption of zero-emission freight vehicles. While the market for zero emission passenger vehicles quickly expanded in the last several years, the medium and heavy duty commercial vehicle segment still lags behind. This pilot will send a market signal to vehicle manufacturers and encourage local urban freight operators to transition fleets to zero- emission vehicles to reduce particulate and greenhouse gas emissions and improve air quality in Los Angeles neighborhoods (Council File 21-0147).	County	Metro SPL	Goods Movement	Other						3
405CMCP_1243	Zero Emissions Bus Vehicle and Electric Charging Infrastructure	Invest in zero emissions technologies for bus vehicles and in electric charging infrastructure	County	Metro SPL	Transit	Transit Electrification						3
405CMCP_1244	Stress Free Connections Project	LADOT is working with communities to identify potential connections and crossings on neighborhood streets that will make walking and biking easier and more stress-free. Many of these streets already provide a low-stress experience for bicycling and walking, though are sometimes interrupted by barriers that add a level of stress. By fixing these barriers, the city can provide a seamless, stress-free travel experience that realizes the vision of the Mobility Plan 2035 (General Plan Transportation Element) Neighborhood Enhanced Network. By planning and implementing stress-free network connections, LADOT seeks to support people walking and bicycling more by delivering on networks of stress-free travel opportunities. This program is approved by City Council in Council File 17-1196 on October 20, 2017.	County	Metro SPL	Active Transportation	Complete Streets						2A
405CMCP_1245	Regionally significant goods movement projects and programs	Invest in regionally significant goods movement projects and programs in the Metro Goods Movement Strategic Plan that improve air quality, reduce Vehicle Mile Traveled, and reduce emissions.	County	Metro SPL	Goods Movement	Grade Separation and Crossing Projects						3
405CMCP_1246	Regional Congestion Pricing Program	Invest in regional congestion pricing program, required infrastructure, and related improvements including technology, roadway, and signal upgrades.	County	Metro SPL	Arterial	VMT Reduction						3
405CMCP_1247	World class BRT system	World class BRT system including implementation of Metro's NextGen Bus Plan and the BRT Visions and Principles Study	County	Metro SPL	Transit	High Capacity Transit (Rail and BRT)						2A
405CMCP_1248	Build-out of the Metro ExpressLanes Strategic Plan	Invest in full build out of the Metro Express Lane Strategic Plan	County	Metro SPL	Highway	Managed Lanes						3
405CMCP_1249	Countywide Transportation Demand Management Program: Capital Investments	Countywide Transportation Demand Management incentive program, with seed funding for subregional or activity-center based transportation management organizations	County	Metro SPL	Arterial	VMT Reduction						3
405CMCP_1253	Build-out of First/Last Mile connections to all rail and BRT stations enhanced by expanded and coordinated pedestrian, bicycle, and transit information and amenities	Coordination with Metro to plan and implement first/last mile plans around existing and planned transit stations in accordance with adopted plans (Blue Line, ESFV, etc.) and for plans in development (Purple Line Phase 1, etc.) per Metro's adopted First/Last Mile Guidelines.	County	Metro SPL	Active Transportation	First Last Mile						2B
405CMCP_1255	LAX to DTLA Express Rail Transit Corridor	LAX to DTLA Express Rail Transit Corridor	Central City	Metro SPL	Transit	High Capacity Transit (Rail and BRT)						2A
405CMCP_1257	Rail conversion of BRT corridors, including but not limited to the G Line (Orange), J Line (Silver), and NoHo to Pasadena BRT	Rail conversion of BRT corridors, including but not limited to the G Line (Orange), J Line (Silver), and NoHo to Pasadena BRT	Central City	Metro SPL	Transit	High Capacity Transit (Rail and BRT)						2A

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405CMCP_1259	Coordination with Caltrans to plan new and retrofit wildlife freeway over/undercrossings and culverts	Invest in new and retrofit wildlife crossings to improve safety and biodiversity in Los Angeles County	County	Metro SPL	Highway	Sustainability/Climate Change/Resiliency						3
405CMCP_1260	Los Angeles County Transit Fleet Electrification - Central Cities	The project will upgrade transit services in the Central Cities Sub Region, provided by Los Angeles County, from gasoline, propane, or compressed natural gas-powered vehicles to electric vehicles. The project also includes charging stations for the new electric vehicles.	Central City	Metro SPL	Transit	Transit Electrification						3
405CMCP_1261	USDOT NATIONAL HIGHWAY FREIGHT NETWORK-SR 47/NAVY WAY INTERCHANGE	Contained in 2020 CA Freight Mobility Plan; improves traffic operations/safety on SR 47 between Vincent Thomas Bridge and Terminal Island Freeway (SR 47)/Gerald Desmond Bridge (SR 710) by replacement of traffic signal with interchange; Ph. 1 (3 million) includes partial signal removal for WB traffic and NB left; modification of existing WB ramp; Phase 2: (\$20 million) removes signal and reconstructs Seaside to provide EB on-ramp from NB Navy Way	Central City	Metro SPL	Highway	TSM/ITS/Operational Improvements						3
405CMCP_1263	SAN PEDRO WATER FRONT ACCESS/HARBOR BOULEVARD IMPROVEMENTS	Improves traffic operations on major arterial connecting San Pedro to I-110 and SR 47. AS PART OF THE SAN PEDRO WATERFRONT DEVELOPMENT PROJECT, HARBOR BLVD WILL BE RESTRIPE, AND THE MEDIAN IS REMOVED/RECONSTRUCTED AS NEEDED TO PROVIDE THREE NBT AND SBT LANES BETWEEN THE RECONSTRUCTED SAMPSON WAY/HARBOR BLVD. INTERSECTION AND THE WB ON RAMP/FRONT STREET INTERSECTION. THIS WILL RESULT IN THE REMOVAL OF PARKING AND THE BIKE LANE ON THE NORTHBOUND SIDE. THE PARKING AND 5' BIKE LANE ON THE SOUTHBOUND SIDE, SOUTH OF O'FARRELL STREET WILL BE PRESERVED. NORTH OF O'FARRELL STREET, THE PARKING AND THE PARKING LANE ON THE SOUTHBOUND SIDE WOULD NEED TO BE REMOVED TO ACCOMMODATE THE NORTHBOUND DUAL LEFT-TURN LANE.	Central City	Metro SPL	Highway	TSM/ITS/Operational Improvements						3
405CMCP_1264	ALAMEDA CORRIDOR TERMINUS/TERMINAL WAYGRADE SEPARATION	Rail/Truck grade separation at Alameda Corridor Southern Terminus and Terminal Way	Central City	Metro SPL	Goods Movement	Grade Separation and Crossing Projects						3
405CMCP_1265	PORT OF LOS ANGELES ZERO EMISSION (ZE)/TRUCKTRIP REDUCTION/FREIGHT EFFICIENCY PROGRAM - WEST BASIN CONTAINER TERMINAL RAILYARD MODERNIZATION	ON DOCK RAILYARD EXPANSION TO ACCOMMODATE ELECTRIC OPERATED RAIL-MOUNTED GANTRY CRANES.	Central City	Metro SPL	Goods Movement	Grade Separation and Crossing Projects						3
405CMCP_1266	ALAMEDA CORRIDOR TERMINUS ENANCEMENT	NEW CERRITOS CHANNEL RAIL BRIDGE AND SUPPORTING CONNECTIONS THROUGHOUT POLA	Central City	Metro SPL	Goods Movement	Grade Separation and Crossing Projects						3
405CMCP_1270	Metrolink SCORE program, infill stations, and expansion beyond funded plan	Improvements including grade crossing, station and signal improvements, track additions, and work that accelerates progress towards Metrolink's zero-emissions future.	County	Metro SPL	Transit	Transit O & M						3
405CMCP_1271	Imperial Corridor Complete Street Project	Complete Street Project to provide AT and Transit connectivity to major public destinations along the Corridor. This project also includes intersection improvements to increase LOS and safety, and strategic bicycle paths and connections to the subregional network.	Gateway Cities	Metro SPL	Active Transportation	Complete Streets						2A
405CMCP_1273	Atlantic Corridor Complete Street Project	Complete Street Project to provide AT and Transit connectivity to major public destinations along the Corridor. This project also includes intersection improvements to increase LOS and safety, and strategic bicycle paths and connections to the subregional network. This is a priority 710 Early Action project, and is a priority corridor for the 710 ICM project as well as possibly being a viable BRT candidate.	Gateway Cities	Metro SPL	Active Transportation	Complete Streets						2A
405CMCP_1274	Florence Corridor Complete Street Project	Complete Street Project to provide AT and Transit connectivity to major public destinations along the Corridor. This project also includes intersection improvements to increase LOS and safety, and strategic bicycle paths and connections to the subregional network.	Gateway Cities	Metro SPL	Active Transportation	Complete Streets						2A
405CMCP_1275	Artesia Corridor Complete Street Project	Complete Street Project to provide AT and Transit connectivity to major public destinations along the Corridor. This project also includes intersection improvements to increase LOS and safety, and strategic bicycle paths and connections to the subregional network.	Gateway Cities	Metro SPL	Active Transportation	Complete Streets						1
405CMCP_1276	Lakewood/Rosemead Corridor Complete Street Project	Complete Street Project to provide AT and Transit connectivity to major public destinations along the Corridor. This project also includes intersection improvements to increase LOS and safety, and strategic bicycle paths and connections to the subregional network.	Gateway Cities	Metro SPL	Active Transportation	Complete Streets						2A

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405CMCP_1280	Pier B Early Rail Enhancements Project	The project occurs along the Countywide Strategic Truck Arterial Network, and will contribute to alleviating negative impacts in line with the California Sustainable Freight Action Plan. The project's three components cross multiple jurisdictions, including the City of Long Beach (COLB), the City of Los Angeles (COLA), the Port of Long Beach (POLB), the Port of Los Angeles (POLA), the Alameda Corridor Transportation Authority (ACTA), and portions managed by the California Department of Transportation (Caltrans). The three components of the Pier B Early Rail Enhancement Project include: •Locomotive Facility - A new 24-locomotive support facility, with capacity to expand to 30 locomotives and a new fourth mainline creating a 10,000-foot support track enabling rail operators to separate motive power from rail cars without blocking adjacent tracks or being “trapped” in on-dock terminals. •West Expansion – Three new yard tracks, five lengthened yard tracks, and two rail spurs to accommodate longer trains, store rail car cuts and reduce repetitive switching. •East Expansion – Two lengthened yard tracks, permanent closure of the Ninth Street At-Grade Crossing, and a new I-710 retaining wall at Pier C Street to provide staging for more and longer trains.	Gateway Cities	Metro SPL	Goods Movement	Grade Separation and Crossing Projects						3
405CMCP_1294	South Bay Local Travel Network	In May 2021, the SBCCOG Board of Directors approved a resolution to support the implementation of the Local Travel Network by South Bay Cities to encourage and facilitate safe travel of zero-emission slow-speed vehicles	South Bay Cities	Metro SPL	Active Transportation	Complete Streets						2A
405CMCP_1295	South Bay Fiber Network - Phase 2	The SBCCOG is building a subregional broadband network connecting key sites within South Bay cities. The SBCCOG plans to expand the transportation benefits of the network by working with cities/LA County/Metro to develop a program of projects that include ITS, TDM, and other fiber-facilitated programs for not only automobile drivers but transit vehicles as well.	South Bay Cities	Metro SPL	Arterial	TSM/ITS/ Operational Improvements						3
405CMCP_1298	Open Space Corridor Multi Use Trails Plan (Routes 1-7)	The multi-use trails plan for will provide direct connectivity to the under-construction City of Torrance Regional Transit Center(RTC) to complete first mile/last mile trips. The RTC will service Torrance Transit Lines, multi-jurisdictional transit lines, and future rail, that provide connections to residential areas, employment centers, downtown Torrance district, and destinations throughout the region.	South Bay Cities	Metro SPL	Active Transportation	Bikeway - Class 1 or 4						2A
405CMCP_1299	Los Angeles County Transit Fleet Electrification – South Bay Cities Sub Region	The project will upgrade transit services in the South Bay Cities Sub Region, provided by Los Angeles County, from gasoline, propane, or compressed natural gas-powered vehicles to electric vehicles. The project also includes charging stations for the new electric vehicles.	South Bay Cities	Metro SPL	Transit	Transit Electrification						3
405CMCP_1300	Crenshaw/LAX Centinela Grade Separation	This project will improve the operation of the intersection. The SBCCOG previously identified this project for MSP Subregional Equity Program funding	South Bay Cities	Metro SPL	Transit	High Capacity Transit (Rail and BRT)						1
405CMCP_1301	Inglewood Transit Connector	The Inglewood Transit Connector Project is an approximately 1.6 mile fully elevated, automated transit system that will connect passengers from the Metro K Line's Downtown Inglewood Station to the City of Inglewood's new housing and employment centers and sports and entertainment venues including The Forum, SoFi Stadium and the Intuit Dome. The Project will complete the existing first/last mile gap and is scheduled to open in advance of the 2028 Olympic Games. Original Description This project is a new monorail system that connects the Crenshaw/LAX line to the Inglewood Entertainment District	South Bay Cities	Metro SPL	Transit	High Capacity Transit (Rail and BRT)						1
405CMCP_1302	Fixed Trolley Service (Zero Emission Vehicles)	The City's current trolley service is not being managed using zero-emission buses. It is the desire of the San Fernando City Council to look at cleaner options for providing this service to our community and help reduce extreme heat impacts in the region.	San Fernando Valley	Metro SPL	Transit	Transit Electrification						3
405CMCP_1303	Metrolink Antelope Valley Line 15 Service and Capital Improvements	Increase Metrolink frequency and reliability in concert with the Antelope Valley Line Double Track capital improvements. Annual funding needed to implement 15-minute, bi-directional, all-day service on the Antelope Valley Line	San Fernando Valley	Metro SPL	Transit	High Capacity Transit (Rail and BRT)						2A
405CMCP_1323	Sepulveda BI Bus Rapid Transit (Mulholland Dr to AMC)	This project would construct bus rapid transit on Sepulveda Blvd from Mullholand Dr to the Airport Metro Connector (AMC) rail station near LAX.	Westside Cities	Metro SPL	Transit	High Capacity Transit (Rail and BRT)						1
405CMCP_1324	Washington Bus Rapid Transit (Walnut Ave to Fairfax Ave)	This project would construct bus rapid transit on Washington Blvd from Walnut Ave to Fairfax Ave.	Westside Cities	Metro SPL	Transit	High Capacity Transit (Rail and BRT)						1
405CMCP_1327	Jefferson BI Bus Rapid Transit (La Cienega Blvd to Sepulveda Blvd)	This project would construct bus rapid transit on Jefferson Blvd from La Cienega Blvd to Sepulveda Blvd.	Westside Cities	Metro SPL	Transit	High Capacity Transit (Rail and BRT)						1
405CMCP_1329	McConnell Ave/Over Ballona Creek/Alla Rd Bikeway (Panama St to Jefferson Blvd)	This project would include a bicycle bridge over Ballona Creek to connect McConnell Ave and Alla Rd.	Westside Cities	Metro SPL	Active Transportation	Bikeway - Class 1 or 4						2A
405CMCP_1330	Wilshire BI Bus Rapid Transit (Centinela Ave to La Brea Ave)	This project would construct bus rapid transit on Wilshire Blvd from Centinela Ave to La Brea Ave.	Westside Cities	Metro SPL	Transit	High Capacity Transit (Rail and BRT)						1
405CMCP_1331	Beverly Dr/Beverwil Dr/Castle Heights Ave/Hughes Ave Class IV Bikeway (Sunset Blvd to Washington Blvd)	This project would include a combination of Class II, Class III, and Class IV bikeways along Beverly Dr, Beverwil Dr, Castle Heights Ave, and Hughes Ave from Sunset Blvd in Beverly Hills to Washington Blvd in Culver City.	Westside Cities	Metro SPL	Active Transportation	Complete Streets						2A
405CMCP_1332	Santa Monica BI Bus Rapid Transit (Centinela Ave to Moreno Dr)	This project would construct bus rapid transit on Santa Monica Blvd from Centinela Ave to Moreno Dr.	Westside Cities	Metro SPL	Transit	High Capacity Transit (Rail and BRT)						1

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405CMCP_1334	Jefferson Blvd Class IV Bikeway (Obama Blvd to Sepulveda Blvd)	This project would construct a Class IV bike path on Jefferson Blvd from Obama Blvd in Los Angeles to Sepulveda Blvd in Culver City.	Westside Cities	Metro SPL	Active Transportation	Bikeway - Class 1 or 4	●	●	●	●	●	1
405CMCP_1335	Washington Blvd/Washington PI Class IV Bikeway (Pacific Ave to Grand View Blvd)	This project would construct a Class IV bike path on Washington Blvd and Washington Place from Pacific Avenue in Los Angeles to Grand View Blvd in Culver City. As a Class IV cycle track that crosses multiple jurisdictions, it qualifies as a Tier 1 Active Transportation project.	Westside Cities	Metro SPL	Active Transportation	Bikeway - Class 1 or 4	●	●	●	●	●	1
405CMCP_1336	Sepulveda Blvd Class IV Bikeway (Washington PI to Centinela Ave)	This project would construct a Class IV bike path on Sepulveda Blvd from Washington PI in Culver City to Centinela Ave in Los Angeles.	Westside Cities	Metro SPL	Active Transportation	Bikeway - Class 1 or 4	●	●	●	●	●	1
405CMCP_1339	State Route 1 (Lincoln Boulevard) Multimodal Improvements Project	This project would improve circulation and safety along Lincoln BI by constructing an additional southbound lane approximately 1,800 feet (which is a gap closure), installing sidewalks and bicycle lanes, and providing other improvements along the 0.61-mile segment of Lincoln BI between Jefferson BI and Fiji Way. In each direction, this project would also replace the Lincoln BI Bridge and the Culver BI Bridge to meet current standards, which would also prepare this segment of the corridor for the Measure M-funded BRT corridor planned for Lincoln BI. This segment of Lincoln BI straddles the boundary between the City of Los Angeles and unincorporated Los Angeles County.	Westside Cities	Metro SPL	Active Transportation	Complete Streets	●	●	●	●	●	1
405CMCP_1340	Gale Mobility Hub	This project will provide regional first/last mile connections to the La Cienega D Line Station, including passenger loading, short- and long-term bike parking, shuttle loading, security, bathrooms, cafes, etc.	Westside Cities	Metro SPL	Active Transportation	First Last Mile	●	●	●	●	●	3
405CMCP_1341	North Portal for Rodeo D Line Station	This project would construct a second entrance to the Rodeo D Line Station on the north side of Wilshire Blvd to improve pedestrian mobility and first/last mile connections to the station.	Westside Cities	Metro SPL	Transit	Transit Centers/ Park and Ride	●	●	●	●	●	2A
405CMCP_1342	Wilshire and La Cienega Boulevard First Last Mile Improvements	This project would construct regional mobility and access upgrades to the La Cienega and Rodeo D Line Stations and the Gale Mobility Hub in Beverly Hills, include bus shelters, crossing improvements, bus lanes, and other improvements which would extend to the City of Los Angeles.	Westside Cities	Metro SPL	Active Transportation	First Last Mile	●	●	●	●	●	3
405CMCP_1344	Metro Purple Line Connectivity (Westwood and VA stations)	This project would include bicycle network linkages for Santa Monica and West Los Angeles riders to the D-Line (Purple) Subway stations at Westwood and VA including lanes, cycletrack segments, and intersection upgrades. The project crosses the cities of Santa Monica and Los Angeles and provides direct access to Metro subway stations.	Westside Cities	Metro SPL	Active Transportation	First Last Mile	●	●	●	●	●	3
405CMCP_1345	17th Street/SMC E-Line (Expo) Station and Regional Bike Path Bike Center and Mobility Hub	This project would include a bike parking, repair, information and service hub at the western terminus of the Expo Regional Bike Path and E-Line 17th/SMC station. The City of Santa Monica is constructing a 17th Street Class IV bikeway to connect the transit station to Santa Monica College (SMC) and hospitals. The bike center/mobility hub will facilitate transfer and bike connections for regional and local transit and includes Class IV cycle tracks connecting to an E-Line station.	Westside Cities	Metro SPL	Active Transportation	First Last Mile	●	●	●	●	●	3
405CMCP_1346	UCLA Ronald Regan Hospital/Santa Monica Hospital Bikeway Connection	This project includes bike facilities, crossings and pedestrian safety improvements to a 4.1 mile route between UCLA Medical Center (Westwood) and Santa Monica UCLA Medical center including Arizona, Texas, Saltair, Rochester, Westgate, Ohio, Kelton, Midvale and Gayley Avenues. This is a Active Transportation project that would install bike and pedestrian upgrades that create a Complete Streets project crossing multiple jurisdictions (Santa Monica and Los Angeles).	Westside Cities	Metro SPL	Active Transportation	Complete Streets	●	●	●	●	●	2A
405CMCP_1348	Culver CityBus Battery Electric Transit Buses Purchase and Facility Electrification	This project would replace existing CNG-powered buses with vehicles powered by battery technology.	Westside Cities	Metro SPL	Transit	Transit Electrification	○	●	●	●	●	3
405CMCP_1349	Culver CityRide Electric Vehicle Purchase	This project would replace paratransit vehicles that have exceeded their useful life with electric technology.	Westside Cities	Metro SPL	Transit	Transit Electrification	○	●	●	●	●	3
405CMCP_1350	Park-to-Playa Bike/Ped Bridge over Ballona Creek	This project would construct a pedestrian and bicycle bridge over Ballona Creek and connect with the Ballona Creek Bike Path. This project would connect commercial and residential areas in the cities of LA and Culver City, connect with the State Park and Scenic Overlook, and the Park-to-Playa Trail.	Westside Cities	Metro SPL	Active Transportation	Bikeway - Class 1 or 4	●	●	●	●	●	1
405CMCP_1351	Ballona Creek Bike Path east extension	This project would extend the Ballona Creek Bike Path from its current terminus at National Blvd east to Washington Blvd in Culver City and beyond to Adams Blvd in Los Angeles. It would extend a regionally-significant bike path under multiple important roadways, including several undercrossings.	Westside Cities	Metro SPL	Active Transportation	Bikeway - Class 1 or 4	●	●	●	●	●	1
405CMCP_1352	Marina Del Rey Bike Path/Bridge Enhancements	This project would widen the bike path along the middle jetty from the Pacific Avenue bridge to Fiji Way, crossing through the City of Los Angeles and unincorporated Los Angeles County. This project would also improve the Pacific Avenue bridge.	Westside Cities	Metro SPL	Active Transportation	Bikeway - Class 1 or 4	●	●	●	●	●	1
405CMCP_1353	Westside Mobility Study Pedestrian and Bicycle Network	This project would include gap closures in the Westside subregion's bicycle network as identified in the 2020 Westside Mobility Study. The 2020 Westside Mobility Study was approved by the Westside Cities COG Board of Directors in August 2020. These projects are listed here: https://www.dropbox.com/s/wnixvdkvsqfxc6/Attachment%20B%20-%20Westside%20Mobility%20Study%20Pedestrian%20and%20Bicycle%20Network_revised.xlsx?dl=0	Westside Cities	Metro SPL	Active Transportation	Bikeway - Class 1 or 4	●	●	●	●	●	2A
405CMCP_2000		Route 710: Detection Repairs - On LA 5 (8.21/20.33), on LA 47 (R0/1.75), on LA 90 (0.93/1.24), on LA 91 (R6.56R20.7), LA 105 (R0.59/R18.3), LA 110 (R1.58/25.4), LA 405 (0.11/39.09), LA 605 (R0.38/19.99), LA 710 (R5.9/24.89) and Hubs on Routes 2, 5, 405, 605	Gateway Cities	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_2001		Route 210: Seismic - On Rte 5 53 1011 LA Aqueduct Channel, 53 1012 LA Viaduct Penstock, 53 1986 Balboa Blvd OC Moved to ID # 23182), on Rte 210, 53 2105G E210-W118 Connector OC, on Rte 91 53 1704 Rte91/605 Separation, on Rte 605 53 1981G N605-E210 Connector OC (158,	Gateway Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency	○	○	●	●	●	3
405CMCP_2005		Route 405: In Los Angeles County, from Rte 110 to Rte 105 and from Venice Blvd to Wilshire Blvd - CAPM; install concrete barrier and upgrade MBGR, install BMPs	Westside Cities	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3

Appendix E: I-405 CMCP Project List												
Project Info							Shovel Worthiness Assessment					Tiering
ProjectID	Name (if applicable)	Short Description	Subregion	Source Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Safety	405 CMCP Tier ²
405CMCP_2007		Route 605: TMS Upgrade: Changeable Message Sign Replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_2008		Route 710: TMS Upgrade: Changeable Message Sign Replacements in Los Angeles and Ventura Counties on Various Routes at Various Locations	Gateway Cities	SHOPP	Highway	TSM/ITS/ Operational Improvements	●	●	●	●	●	3
405CMCP_2009		Route 5: In Los Angeles County, in the City of Sylmar at the interchanges of LA 5 and LA 210 and LA 5 and LA 14.	San Fernando Valley	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_2010		Route 105: On routes 105 and 605 at various locations.	South Bay Cities	SHOPP	Highway	State of Good Repair	●	○	●	●	●	3
405CMCP_2011		Route 110: In the cities of Los Angeles, Long Beach, Signal Hill, Lakewood, Carson and Hawthorn. Mitigate Stormwater quality by using Best Management Practices.	South Bay Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency	○	○	●	●	●	3
405CMCP_2012		Route 405: In the cities of Los Angeles, Long Beach, Signal Hill, Lakewood, Carson and Hawthorn. Mitigate Stormwater quality by using Best Management Practices.	South Bay Cities	SHOPP	Highway	Sustainability/ Climate Change/ Resiliency	○	○	●	●	●	3
405CMCP_2013	Willoughby, Vista, Gardner Greenways *	Willoughby, Vista, Gardner Greenways *	Westside Cities	Measure M	Active Transportation	Bikeway - Class 1 or 4	●	●	●	●	●	1
405CMCP_2017	Broadway Protected Bikeway: 5th Street - 26th Street	Broadway Protected Bikeway: 5th Street - 26th Street	Westside Cities	Measure M	Active Transportation	Bikeway - Class 1 or 4	●	●	●	●	●	1
405CMCP_2018	Colorado Protected Bikeway: 5th Street - 17th Street	Colorado Protected Bikeway: 5th Street - 17th Street	Westside Cities	Measure M	Active Transportation	Bikeway - Class 1 or 4	●	●	●	●	●	1
405CMCP_2020	ROLLING HILLS ROAD BIKE LANES ***	ROLLING HILLS ROAD BIKE LANES ***	South Bay Cities	Measure M	Active Transportation	Bikeway - Class 2	●	●	●	●	●	2B
405CMCP_2021	DIAMOND ST TO FLAGLER LANE BICYCLE LANE	DIAMOND ST TO FLAGLER LANE BICYCLE LANE	South Bay Cities	Measure M	Active Transportation	Bikeway - Class 2	●	●	●	●	●	2B
405CMCP_2022	Connect Del Rey Stress-Free Bicycle Enhanced Corridor *	Connect Del Rey Stress-Free Bicycle Enhanced Corridor *	Westside Cities	Measure M	Active Transportation	Bikeway - Class 2	●	●	●	●	●	2B
405CMCP_2023	ALAMEDA ST (SOUTH) WIDENING FROM ANAHEIM ST TO HARRY BRIDGES BLVD (MR312.48)	ALAMEDA ST (SOUTH) WIDENING FROM ANAHEIM ST TO HARRY BRIDGES BLVD (MR312.48)	South Bay Cities	Measure M	Arterial	Capacity Enhancement (arterial)	▶	○	●	▶	○	NA
405CMCP_2024	PALOS VERDES DRIVE WEST CORRIDOR EXPANSION PROJECT	PALOS VERDES DRIVE WEST CORRIDOR EXPANSION PROJECT	South Bay Cities	Measure M	Arterial	Capacity Enhancement (arterial)	▶	○	●	▶	○	NA
405CMCP_2026	Stewart & Pennsylvania Safety Enhancement Project	Stewart & Pennsylvania Safety Enhancement Project	Westside Cities	Measure M	Active Transportation	Complete Streets	●	●	●	●	●	1
405CMCP_2028	Inglewood First/Last Mile Improvements	FIRST/LAST MILE IMPROVEMENTS	South Bay Cities	Measure M	Active Transportation	First Last Mile	●	●	●	●	●	2B
405CMCP_2029	Metrolink Antelope Valley Line	Metrolink Antelope Valley Line	North County	Measure M	Transit	High Capacity Transit (Rail and BRT)	●	●	●	●	●	1
405CMCP_2030	Vista Canyon Bus Service Expansion	Vista Canyon Bus Service Expansion	North County	Measure M	Transit	Local Transit Investment	●	●	●	●	●	1
405CMCP_2031	WESTMONT/WEST ATHENS PEDESTRAIN IMPROVEMENTS, PHASE II	WESTMONT/WEST ATHENS PEDESTRAIN IMPROVEMENTS, PHASE II	South Bay Cities	Measure M	Active Transportation	Pedestrian Improvements	●	●	●	●	●	2B
405CMCP_2034	ROSECRANS AVE MOBILITY IMPROVEMENT PROJECT, PHASE II FROM PRAIRIE AVE TO CRENSHAW BLVD	ROSECRANS AVE MOBILITY IMPROVEMENT PROJECT, PHASE II FROM PRAIRIE AVE TO CRENSHAW BLVD	South Bay Cities	Measure M	Arterial	TSM/ITS/ Operational Improvements	●	●	●	●	●	2B
405CMCP_2035	CRENSHAW BLVD SIGNAL IMPROVEMENT AND INTERSECTION	CRENSHAW BLVD SIGNAL IMPROVEMENT AND INTERSECTION	South Bay Cities	Measure M	Arterial	TSM/ITS/ Operational Improvements	●	●	●	●	●	2B
405CMCP_2036	INGLEWOOD CHANGEABLE MESSAGE SIGNS	CHANGEABLE MESSAGE SIGNS	South Bay Cities	Measure M	Arterial	TSM/ITS/ Operational Improvements	●	○	●	●	●	2B
405CMCP_2037	MANHATTAN BEACH ADVANCED TRAFFIC SIGNAL SYSTEM	ADVANCED TRAFFIC SIGNAL SYSTEM	South Bay Cities	Measure M	Arterial	TSM/ITS/ Operational Improvements	●	○	●	●	●	2B

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ProjectID	Name (if applicable)	Short Description	Subregion	Source_Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Safety	405 CMCP Tier ²
405CMCP_2038	WESTERN AVE CONGESTION IMPROVEMENTS (25TH TO PV DR) **	WESTERN AVE CONGESTION IMPROVEMENTS (25TH TO PV DR) **	South Bay Cities	Measure M	Arterial	TSM/ITS/ Operational Improvements						2B
405CMCP_2039	PACIFIC COAST HWY MOBILITY AND ACCESSIBLTY IMPROVEMENTS PROJECT ***	PACIFIC COAST HWY MOBILITY AND ACCESSIBLTY IMPROVEMENTS PROJECT ***	South Bay Cities	Measure M	Highway	TSM/ITS/ Operational Improvements						2B
405CMCP_2040	I-110 SOUTHBOUND OFF-RAMP TO PCH	Interstate 110 (I-110) southbound off-ramp to Pacific Coast Highway (PCH) by widening the mainline to add one auxiliary lane and widening the off-ramp to provide a two-lane exit.	South Bay Cities	Measure M	Highway	Ramp/ Interchange Enhancement						2B
405CMCP_2041	INGLEWOOD DOWNTOWN ITS	DOWNTOWN ITS	South Bay Cities	Measure M	Arterial	TSM/ITS/ Operational Improvements						2B
405CMCP_2042	405/110 SEPARATION	405/110 SEPARATION	South Bay Cities	Measure M	Highway	Ramp/ Interchange Enhancement						2B
405CMCP_2043	MANCHESTER BLVD/PRAIRIE AVE ITS & TRAFFIC SIGNAL IMPROVEMENTS *	MANCHESTER BLVD/PRAIRIE AVE ITS & TRAFFIC SIGNAL IMPROVEMENTS *	South Bay Cities	Measure M	Arterial	TSM/ITS/ Operational Improvements						2B
405CMCP_2044	REDONDO BEACH BLVD ARTERIAL IMPROVEMENTS	REDONDO BEACH BLVD ARTERIAL IMPROVEMENTS	South Bay Cities	Measure M	Arterial	Arterial Corridor Improvement						2B
405CMCP_2045	TORRANCE SCHOOLS SAFETY AND ACCESSIBILITY PROGRAM	TORRANCE SCHOOLS SAFETY AND ACCESSIBILITY PROGRAM	South Bay Cities	Measure M	Active Transportation	Pedestrian Improvements						2B
405CMCP_2046	BEACH CITIES TRANSIT: TRANSIT OPERATIONS & MAINTENANCE FACILITY	BEACH CITIES TRANSIT: TRANSIT OPERATIONS & MAINTENANCE FACILITY	South Bay Cities	Measure M	Transit	Transit O & M						2B
405CMCP_2047	GTRANS: SOLAR ENERGY GENERATION/BUS FUELING INFRASTRUCTURE PROJECT	GTRANS: SOLAR ENERGY GENERATION/BUS FUELING INFRASTRUCTURE PROJECT	South Bay Cities	Measure M	Transit	Transit Electrification						2B
405CMCP_2048	GTRANS Expansion Buses	Purchase up to 15 expansion buses for use in the deployment of additional service within the GTrans service area, over the next 10 years.	South Bay Cities	Measure R	Transit	Transit Electrification						2B
405CMCP_2050	J Line Harbor Gateway Transit Center Mobility Hub/Park & Ride	Walking, biking, and mobility infrastructure with park and ride between Harbor Gateway Transit Center and South Bay Sports Park.	South Bay Cities	MCP	Active Transportation	First Last Mile						2B
405CMCP_2051	Bus Priority Enhancements and Improvements along GRN	Speed up service along key bus routes on Games Route Network by creating bus-only lanes, bulb-outs, and transit signal priority, including bus stop amenities like lighting, real-time info, and shelter/shade canopies.	County	MCP	Transit	Rapid/ Express Service						1
405CMCP_2052	Atlantic BRT	New BRT service along Atlantic consistent with Board-adopted standards and design guidelines, such as dedicated running ways and BRT stations.	Gateway Cities	MCP	Transit	High Capacity Transit (Rail and BRT)						1
405CMCP_2053	Lincoln Blvd BRT	New BRT service along Lincoln Blvd. consistent with Board-adopted standards & design guidelines, such as dedicated running ways & BRT stations.	Westside Cities	MCP	Transit	High Capacity Transit (Rail and BRT)						1
405CMCP_2054	Venice Boulevard BRT	New BRT service along Venice Blvd. consistent with Board-adopted standards and design guidelines, such as dedicated running ways and BRT stations	Westside Cities	MCP	Transit	High Capacity Transit (Rail and BRT)						1
405CMCP_2055	Arbor Vitae Bus Lane	Add eastbound bus lane for dedicated route between I-405 and So-Fi Stadium.	South Bay Cities	MCP	Transit	High Capacity Transit (Rail and BRT)						1
405CMCP_2056	Hawthorne/La Brea Bus Lanes	Add bus lanes on La Brea Avenue (from Market St. to Century Blvd.), and on Hawthorne Boulevard (from Century Blvd. to Hawthorne/Lennox Station).	South Bay Cities	MCP	Transit	Local Transit Investment						1
405CMCP_2057	Prairie Avenue Bus Lanes	Add bus lanes on Prairie Avenue between the K Line and C Line.	South Bay Cities	MCP	Transit	Local Transit Investment						1
405CMCP_2058	Arterial Games Route Network Traffic Signal Analytics	Implement location-based services to measure the performance of intersection traffic signals at critical locations along the arterial segments of the GRN.	County	MCP	Arterial	TSM/ITS/ Operational Improvements						2B
405CMCP_2059	Games Park and Ride Strategy	Identify parking lots that link to major transit lines to encourage mode shift.	County	MCP	Transit	Transit Centers/ Park and Ride						1
405CMCP_2060	GRN Enabling Treatments and Spot Improvements	Study to investigate all minor GRN treatments (low cost/temporary) that enable more efficient games operations such as pavement, signage, traffic signals, and minor civil works.	County	MCP	Arterial	TSM/ITS/ Operational Improvements						2B

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Project Info							Shovel Worthiness Assessment					Tiering
ProjectID	Name (if applicable)	Short Description	Subregion	Source Doc	Type ¹	Subtype	Mobility & Accessibility	Equity	Economic Vitality	Sustainability	Safety	405 CMCP Tier ²
405CMCP_2061	TDM Campaign	Placeholder project to provide solutions and communication strategies using the following mechanisms: reduce the need to travel; re-mode using alternative transportation; reroute to avoid congestion; and re-time to avoid the peak hours.	County	MCP	Arterial	Arterial Corridor Improvement						2B
405CMCP_2062	Business-as-Usual Network Planning (Non-Games Routes)	Plan the non-games network, identify preferred routes and interventions/upgrades needed, determine operational principles during the Games.	County	MCP	Arterial	Arterial Corridor Improvement						2B
405CMCP_2063	HOV 3+ Policy Implementation	Convert existing HOV lane occupancy to three or more persons per vehicle countywide.	County	MCP	Highway	Managed Lanes						2B
405CMCP_2065	Freight TDM	Placeholder project for engaging directly with freight businesses to help them plan for the games and help decrease traffic on the network.	County	MCP	Goods Movement	General						2B
405CMCP_2066	Light Rail Speed Improvements	Potential grade separations at key locations, reevaluate speed commands/block design, upgrade train control system to integrate with traffic signals, gate technology for pre-emption.	County	MCP	Transit	High Capacity Transit (Rail and BRT)						2A
405CMCP_2067	Metrolink Van Nuys Station Improvements	Network integration and station enhancements at these key transfer stations to support increased passengers at this location.	San Fernando Valley	MCP	Transit	High Capacity Transit (Rail and BRT)						1
405CMCP_2068	Metro Rail and BRT Stations Improvements**	Providing required maintenance upgrades to Metro Rail and BRT Stations near Games venues, transfer, and terminals that are at least a decade old.	County	MCP	Transit	Transit O & M						2B
405CMCP_2069	Metro Rail/BRT ADA Tactile Guidance Systems	Tactile guidance system for customers with blindness/visual impairments and other customers with disabilities.	County	MCP	Active Transportation	First Last Mile						2B
405CMCP_2070	Systemwide ADA Accessibility Improvements**	Upgrade system accessibility elements as needed to meet current California Title 24 accessibility/MRDC.	County	MCP	Active Transportation	Pedestrian Improvements						2B
405CMCP_2071		Improvements along Overland Ave in Culver City between Venice Blvd and the Culver City Transit Center, including pedestrian improvements, a mid-block traffic signal at the Culver City Library, and Class II and Class IV bike lanes spanning the length of the corridor (2.8 miles).	Westside Cities	City of Culver City	Active Transportation	Bikeway - Class 1 or 4						1
405CMCP_2072	Pier B Rail Buildout	As the second phase of the Pier B On-Dock Rail Support Facility Program, the Pier B Rail Buildout will transform the Pier B rail yard into a modern, high-tech on-dock rail support facility by increasing on-dock rail efficiency. The project will construct five new 10,000 foot long receiving and departure tracks, 34 new railroad tracks, facilitate roadway realignment, street widening, safety improvements, and modification of an existing warehouse to accommodate additional railroad tracks.	Gateway Cities	Port of Long Beach	Goods Movement	Grade Separation and Crossing Projects						2B
405CMCP_2073	C Line (Green) Extension to Torrance	Extension of the light rail line from its current terminus at the Redondo Beach Station to the Torrance Transit Center	South Bay Cities	Metro LRTP	Transit	High Capacity Transit (Rail and BRT)						1
1. All highway projects planned, funded, and implemented by Metro are subject to Metro's Multimodal Highway Investment Objectives. 2. General Purpose Lane Expansion/Widening on the State Highway System is ineligible for SCCP funding.												