



2016 2040 RTPSCS

THE 2016–2040 REGIONAL TRANSPORTATION PLAN/ SUSTAINABLE COMMUNITIES STRATEGY A Plan for Mobility, Accessibility, Sustainability and a High Quality of Life

DRAFT AMENDMENT #2

INCLUDING THE 2017 FEDERAL TRANSPORTATION IMPROVEMENT PROGRAM CONSISTENCY AMENDMENT # 17-07

APRIL 6, 2017

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INTRODUCTION

On April 7, 2016, the Southern California Association of Governments (SCAG) adopted the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (2016 RTP/SCS or “Plan” herein) for the six-county region including Imperial, Los Angeles, Orange, Riverside, San Bernardino and Ventura Counties. The 2016 RTP/SCS reflects the region’s commitment to improve its mobility, sustainability and economy. To achieve these goals, the Plan demonstrates how the region will reduce emissions from transportation sources to comply with Senate Bill 375 (SB 375) and meet the National Ambient Air Quality Standards set forth by the federal Clean Air Act.

A major component of the 2016 RTP/SCS is a Project List containing thousands of individual transportation projects that aim to improve the region’s mobility and air quality and revitalize our economy. Since the Plan’s adoption, Los Angeles County voters approved Measure M in November 2017, the Los Angeles County Transportation Authority’s (Metro’s) sales tax ballot measure, which is anticipated to generate \$860 million a year in 2017 dollars. Measure M will fund new transit and highway projects, enhanced bus and rail operations, bike and pedestrian connections to transit, and other transportation improvements in Los Angeles County. In order for Measure M-funded projects to move forward, they need to be updated in or amended into the 2016 RTP/SCS. SCAG staff worked with the county transportation commissions (CTCs) to develop the 2016 RTP/SCS Amendment #2 and the Federal Transportation Improvement Program (FTIP) Consistency Amendment #17-07, which include Measure M projects, along with other needed additions or changes to project scopes, costs, and/or schedules.

The purpose of this document is to identify the project changes being made through the 2016 RTP/SCS Amendment #2 and the Federal Transportation Improvement Program (FTIP) Consistency Amendment #17-07 and provide documentation demonstrating that the 2016 RTP/SCS as amended will continue to be consistent with federal and state requirements, including the Fixing America’s Surface Transportation Act (FAST Act) and Moving Ahead for Progress for the 21st Century Act (MAP-21) planning requirements, the Transportation Conformity Rule and SB 375. Environmental assessment is currently underway to evaluate the potential environmental impacts associated with the changes to the 2016 RTP/SCS Project List as detailed herein.

PROJECT MODIFICATIONS

The project changes identified in this Amendment can be broadly categorized as follows:

- Project is new and is not currently included in the 2016 RTP/SCS Project List.
- Project currently exists in the 2016 RTP/SCS Project List, but needs:
 - a revised description,
 - a revised schedule,
 - a change in total cost, or
 - a combination of the above changes.
- Project is being removed from the 2016 RTP/SCS Project List.

The tables on the following pages provide details of the project changes from the current Plan and are intended to illustrate a before-and-after scenario for each of the projects. For a complete listing of projects, please refer to the Project List Appendix.

TABLE 1 Modifications to FTIP Projects

#	COUNTY	LEAD AGENCY	RTP ID	FTIP ID	SYSTEM	ROUTE NAME	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
1	LOS ANGELES	SANTA FE SPRINGS	1AL04	LA0G1336	LOCAL HIGHWAY	FLORENCE AVENUE	ADDITIONAL CAPACITY IS NEEDED ALONG FLORENCE AVENUE TO IMPROVE LEVELS OF SERVICE AND OPERATIONAL PERFORMANCE. THE PROJECT PROPOSES TO ADD 1 LANE IN EACH DIRECTION FOR THE PROJECT LIMITS (PS&E ONLY).	2018	\$600	NEW RTP PROJECT COST.	NEW PROJECT
2	LOS ANGELES	LOS ANGELES COUNTY MTA	EXISTING: LAE0465	LA0G440	STATE HIGHWAY	I-5	EXISTING: ROUTE 005: PHASE 2, FROM SR-14 TO PARKER ROAD, CONSTRUCT HOV/ HOT, TRUCK & AUX LANES (EA 2332E PPNO 3189B), SAFTETEA-LU#465.	EXISTING: 2020	\$46,877	NO CHANGE TO RTP PROJECT COST. NO FISCAL IMPACT.	REVISED RTP ID, DESCRIPTION, AND SCHEDULE
			REVISED: LA0G440				REVISED: ROUTE 005: 1 HOV LANE IN EACH DIRECTION, FROM THE SR-14 TO LAKE HUGHES RD (EA 2332E PPNO 3189B), SAFTETEA-LU#465.	REVISED: 2021			
3	LOS ANGELES	LOS ANGELES COUNTY MTA	10M0702	LA0G949	STATE HIGHWAY	SR-138	EXISTING: COMPLETE PA&ED TO DETERMINE THE ALTERNATIVES FOR THE APPROXIMATE 36.8-MILE EAST-WEST SR-138 HIGHWAY FACILITY BETWEEN I-5 AND SR-14 IN NORTHERN LOS ANGELES COUNTY. THE PA&ED WILL STUDY AND DETERMINE THE ALTERNATIVES (I.E. FREEWAY AND/OR EXPRESSWAY), CONSTRAINTS (RIGHT-OF-WAY REQUIREMENTS), POTENTIAL IMPACTS/IMPROVEMENTS AND CONDUCT TECHNICAL STUDIES. REVISED: NORTHWEST 138 CORRIDOR IMPROVEMENT PROJECT - IMPROVE APPROXIMATELY 36.8, PROVIDING AN IMPROVED EXPRESSWAY/LIMITED ACCESS CONVENTIONAL HIGHWAY FACILITY BETWEEN I-5 AND SR-14 (PA&ED ONLY)	2018	EXISTING: \$25,000 REVISED: \$30,000	RTP PROJECT COST INCREASE.	REVISED COST.

TABLE 1 Continued

#	COUNTY	LEAD AGENCY	RTP ID	FTIP ID	SYSTEM	ROUTE NAME	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
4	LOS ANGELES	FOOTHILL TRANSIT ZONE	EXISTING: 1TR1017	LAOG1234	TRANSIT	—	EXISTING: PARK AND RIDE FACILITIES AND TRANSIT STORES/CENTERS (STUDY ONLY)	EXISTING: 2018	EXISTING: \$56,680		REVISED RTP ID, DESCRIPTION, SCHEDULE AND COST.
			REVISED: 7120006				REVISED: EXISTING: MT. SAN ANTONIO COLLEGE (MSAC) TRANSIT CENTER. THE TRANSIT CENTER INCLUDES 10 BUS BAYS, 2 CHARGERS FOR ELECTRIC BUSES, A TRANSIT STORE, LIGHTED SHELTERED WAIT AREAS, REAL-TIME BUS ARRIVAL KIOSKS, AND UPGRADED ADA AND PEDESTRIAN ACCESS.	REVISED: 2022	REVISED: \$10,300		
5	LOS ANGELES	TORRANCE	1TR1010	LAOG1280	TRANSIT	—	PURCHASE OF SEVEN (7) ALL ELECTRIC BUSES FOR A NEW CIRCULATOR SERVICE	2022	\$2,975	NEW RTP PROJECT COST.	NEW PROJECT
6	LOS ANGELES	LOS ANGELES, CITY OF	1TR1010	LAOG1349	TRANSIT	—	PURCHASE 35 ALTERNATIVE-FUEL 30-FOOT BUSES TO EXPAND DASH FLEET AND INCREASE SERVICE HOURS AND HEADWAYS.	2022	\$19,210	NEW RTP PROJECT COST.	NEW PROJECT
7	ORANGE	IRVINE	ORA110602	ORA110602	LOCAL HIGHWAY	LAGUNA CANYON	WIDENING OF LAGUNA CANYON / I-405 OVERCROSSING FROM 2 LANES TO 4 LANES	EXISTING: 2021	EXISTING: \$10,892	RTP PROJECT COST DECREASE.	REVISED COST.
								REVISED: 2025	REVISED: \$9,300		

TABLE 1 Continued

#	COUNTY	LEAD AGENCY	RTP ID	FTIP ID	SYSTEM	ROUTE NAME	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
8	ORANGE	ORANGE COUNTY TRANS AUTHORITY (OCTA)	2H01143	ORA111001	STATE HIGHWAY	I-5	INTERSTATE 5 ADD 1 HOV IN EACH DIRECTION FROM SOUTH OF PACIFIC COAST HIGHWAY TO SAN JUAN CREEK ROAD. PPNO:2531F	EXISTING: 2016 REVISED: 2018	EXISTING: \$63,093 REVISED: \$70,957	RTP PROJECT COST INCREASE.	REVISED SCHEDULE AND COST.
9	ORANGE	COSTA MESA	ORA016	ORA016	STATE HIGHWAY	SR-55	PAULARINO AVE (SR-55 NB FRONTAGE ROAD @ PAULARINO AVE) IN COSTA MESA INTERSECTION IMPROVEMENT. ADDING A N/B RAMP AND W/B RIGHT-TURN-LANE.	2017	\$505	RTP PROJECT COST REMOVED.	PROJECT CANCELED
10	RIVERSIDE	MARCH JOINT POWERS AUTHORITY	3AL304	RIV170130	LOCAL HIGHWAY	VAN BUREN BLVD. EXTENSION	IN WESTERN RIVERSIDE COUNTY IN MARCH JPA AREA - CONSTRUCT NEW EXTENSION OF VAN BUREN BLVD FROM MARCH FIELD AIR MUSEUM TO NANDINA AVE WITH 4 LANE ARTERIAL WITH CENTER TURN MEDIAN.	2022	\$8,800	NEW RTP PROJECT COST.	NEW PROJECT
11	SAN BERNARDINO	FONTANA	SBD031217	SBD031217	LOCAL HIGHWAY	BEECH AVE	BEECH AVENUE FOOTHILL TO MILLER AVE WIDEN FROM 2 LANES TO 4 LANES	EXISTING: 2020 REVISED: 2019	EXISTING: \$4,630 REVISED: \$5,055	RTP PROJECT COST INCREASE.	REVISED SCHEDULE AND COST.
12	SAN BERNARDINO	FONTANA	4A04087	201107	LOCAL HIGHWAY	CHERRY AVE	CHERRY AVENUE FROM SOUTH HIGHLAND TO I-15 WIDEN (2-6 LANES)	EXISTING: 2020 REVISED: 2022	EXISTING: \$2,625 REVISED: \$3,375	RTP PROJECT COST INCREASE.	REVISED SCHEDULE AND COST.

TABLE 1 Continued

#	COUNTY	LEAD AGENCY	RTP ID	FTIP ID	SYSTEM	ROUTE NAME	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
13	SAN BERNARDINO	FONTANA	200006	20150005	LOCAL HIGHWAY	CITRUS AVE	CITRUS AVENUE FROM JURUPA TO SLOVER - WIDEN FROM 2-4 LANES W/LEFT TURN LANES AT INTERSECTIONS (SLOVER, SANTA ANA AVE & JURUPA-3 INTERSECTIONS)	EXISTING: 2020 REVISSED: 2017	EXISTING: \$1,865 REVISSED: \$6,365	RTP PROJECT COST INCREASE.	REVISED SCHEDULE AND COST.
14	SAN BERNARDINO	FONTANA	REG0701	201141	LOCAL HIGHWAY	CYPRESS AVE	CYPRESS AVENUE FROM SLOVER TO JURUPA AVENUE WIDEN FROM 2-4 LANES	EXISTING: 2018 REVISSED: 2023	EXISTING: \$2,498 REVISSED: \$2,727	RTP PROJECT COST INCREASE.	REVISED SCHEDULE AND COST.
15	SAN BERNARDINO	FONTANA	4A04127	201146	LOCAL HIGHWAY	SIERRA LAKES PARKWAY	SIERRA LAKES PARKWAY FROM BEECH AVENUE TO CITRUS AVENUE WIDEN FROM 2 TO 4 LANES.	EXISTING: 2019 REVISSED: 2021	\$4,290	NO CHANGE TO RTP PROJECT COST. NO FISCAL IMPACT.	REVISED SCHEDULE.
16	SAN BERNARDINO	RIALTO	200603	200603	LOCAL HIGHWAY	RIVERSIDE AVE	RIVERSIDE AVE. OVER UPRR MAINTRACKS & COLTON YARD, 0.1 MI S OF I-10 REMOVE AND REPLACE EXISTING 5 LANE BRIDGE WITH 7 LANE BRIDGE SCOPING FOR PROJECT. HIGH COST PROJECT AGREEMENT REQUIRED PRIOR TO PE AUTHORIZATION.(#54C0062)	EXISTING: 2020 REVISSED:2021	\$40,935	NO CHANGE TO RTP PROJECT COST. NO FISCAL IMPACT.	REVISED SCHEDULE.
17	SAN BERNARDINO	SAN BERNARDINO, CITY OF	4A07119	201170	LOCAL HIGHWAY	5TH ST	5TH STREET FROM STERLING AVE TO VICTORIA AVE WIDEN FROM 2-4 LANES.	EXISTING: 2017 REVISSED: 2020	\$5,800	NO CHANGE TO RTP PROJECT COST. NO FISCAL IMPACT.	REVISED SCHEDULE.

TABLE 2 Modifications to RTP Projects

#	COUNTY	LEAD AGENCY	RTP ID	SYSTEM	ROUTE	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
1	LOS ANGELES	PORT OF LOS ANGELES	1120007	EXISTING: LOCAL HIGHWAY REVISED: STATE HIGHWAY	EXISTING: -- REVISED: SR-47	EXISTING: SR 47/V. THOMAS BRIDGE/HARBOR BLVD. INTERCHANGE: NEW WESTBOUND SR 47 OFF-RAMP; REALIGNED EB SR 47 ON-RAMP, WEAVE AND SR ON-RAMP MERGE; FRONT STREET IS NHS CONNECTOR ROUTE; V. THOMAS BRIDGE IS A STATE-OWNED BRIDGE; ON THE USDOT "PRIMARY FREIGHT NETWORK" (PFN) REVISED: SR 47-V. THOMAS BRIDGE/FRONT ST INTERCHANGE: NEW WESTBOUND SR 47 ON- AND OFF-RAMPS AT FRONT STREET JUST WEST OF THE VINCENT THOMAS BRIDGE AND ELIMINATE THE EXISTING NON-STANDARD RAMP CONNECTION TO THE HARBOR BOULEVARD OFF-RAMP; FRONT STREET IS AN NHS CONN	2023	\$17,400	NO CHANGE TO RTP PROJECT COST. NO FISCAL IMPACT.	REVISED SYSTEM, ROUTE, AND DESCRIPTION.
2	LOS ANGELES	LOS ANGELES COUNTY MTA	11620001	OTHER	LOS ANGELES RIVER	LA RIVER WATERWAY & SYSTEM BIKEPATH (FROM RIVERSIDE DRIVE TO ATLANTIC BLVD)	2025	\$423,200	NEW RTP PROJECT COST.	NEW PROJECT
3	LOS ANGELES	LOS ANGELES COUNTY MTA	11620002	OTHER	LOS ANGELES RIVER	COMPLETE LA RIVER BIKEPATH (FROM VANALDEN AVE TO FOREST LAWN DR AT SR-134)	2025	\$69,600	NEW RTP PROJECT COST.	NEW PROJECT
4	LOS ANGELES	LOS ANGELES COUNTY MTA	11620003	OTHER	VARIOUS	METRO ACTIVE TRANSPORT, TRANSIT 1ST/LAST MILE PROGRAM (SYSTEM CONNECTIVITY PROJECTS (NO SUBREGION))	2040	\$831,427	NEW RTP PROJECT COST.	NEW PROJECT
5	LOS ANGELES	LOS ANGELES COUNTY MTA	11620004	OTHER	VARIOUS	MODAL CONNECTIVITY AND COMPLETE STREETS PROJECTS (ARROYO VERDUGO)	2040	\$195,858	NEW RTP PROJECT COST.	NEW PROJECT

TABLE 2 Continued

#	COUNTY	LEAD AGENCY	RTP ID	SYSTEM	ROUTE	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
6	LOS ANGELES	LOS ANGELES COUNTY MTA	11620005	OTHER	VARIOUS	MULTIMODAL CONNECTIVITY PROGRAM (NORTH COUNTY)	2040	\$164,137	NEW RTP PROJECT COST.	NEW PROJECT
7	LOS ANGELES	LOS ANGELES COUNTY MTA	11620006	OTHER	VARIOUS	SUBREGIONAL EQUITY PROGRAM (SYSTEM CONNECTIVITY PROJECTS (NO SUBREGION))	2040	\$1,159,635	NEW RTP PROJECT COST.	NEW PROJECT
8	LOS ANGELES	LOS ANGELES COUNTY MTA	11620007	OTHER	VARIOUS	TRANSPORTATION SYSTEM AND MOBILITY IMPROVE. PROGRAM (SOUTH BAY)	2032	\$422,926	NEW RTP PROJECT COST.	NEW PROJECT
9	LOS ANGELES	LOS ANGELES COUNTY MTA	11620008	OTHER	VARIOUS	TRANSPORTATION SYSTEM AND MOBILITY IMPROVE. PROGRAM (SOUTH BAY)	2040	\$339,358	NEW RTP PROJECT COST.	NEW PROJECT
10	LOS ANGELES	LOS ANGELES COUNTY MTA	11620009	OTHER	VARIOUS	VISIONARY PROJECT SEED FUNDING (SYSTEM CONNECTIVITY PROJECTS (NO SUBREGION))	2040	\$19,392	NEW RTP PROJECT COST.	NEW PROJECT
11	LOS ANGELES	LOS ANGELES COUNTY MTA	11620010	OTHER	VARIOUS	ACTIVE TRANSPORTATION 1ST/ LAST MILE CONNECTIONS PROG. (WESTSIDE)	2040	\$350,024	NEW RTP PROJECT COST.	NEW PROJECT
12	LOS ANGELES	LOS ANGELES COUNTY MTA	11620011	OTHER	VARIOUS	ACTIVE TRANSPORTATION PROGRAM (NORTH COUNTY)	2040	\$255,973	NEW RTP PROJECT COST.	NEW PROJECT
13	LOS ANGELES	LOS ANGELES COUNTY MTA	11620012	OTHER	VARIOUS	ACTIVE TRANSPORTATION PROGRAM (INCLUDING GREENWAY PROJ.) (SAN GABRIEL VALLEY)	2040	\$223,976	NEW RTP PROJECT COST.	NEW PROJECT
14	LOS ANGELES	LOS ANGELES COUNTY MTA	11620013	OTHER	VARIOUS	ACTIVE TRANSPORTATION PROJECTS (ARROYO VERDUGO)	2040	\$93,744	NEW RTP PROJECT COST.	NEW PROJECT
15	LOS ANGELES	LOS ANGELES COUNTY MTA	11620014	OTHER	VARIOUS	ACTIVE TRANSPORTATION, 1ST/ LAST MILE, & MOBILITY HUBS (CENTRAL CITY AREA)	2040	\$208,463	NEW RTP PROJECT COST.	NEW PROJECT

TABLE 2 Continued

#	COUNTY	LEAD AGENCY	RTP ID	SYSTEM	ROUTE	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
16	LOS ANGELES	LOS ANGELES COUNTY MTA	11620015	OTHER	VARIOUS	ACTIVE TRANSPORTATION, TRANSIT, AND TECH. PROGRAM (LAS VIRGENES MALIBU)	2032	\$46,111	NEW RTP PROJECT COST.	NEW PROJECT
17	LOS ANGELES	LOS ANGELES COUNTY MTA	11620016	OTHER	VARIOUS	FIRST/LAST MILE AND COMPLETE STREETS (SAN GABRIEL VALLEY)	2040	\$191,980	NEW RTP PROJECT COST.	NEW PROJECT
18	LOS ANGELES	LOS ANGELES COUNTY MTA	11620017	OTHER	VARIOUS	LOS ANGELES SAFE ROUTES TO SCHOOL INITIATIVE (CENTRAL CITY AREA)	2040	\$171,692	NEW RTP PROJECT COST.	NEW PROJECT
19	LOS ANGELES	PORT OF LOS ANGELES	100706LA01	OTHER	--	EXISTING: POLA RAIL EFFICIENCY PROGRAM: WEST BASIN - ALAMEDA CORRIDOR GAP CLOSURE REVISED: POLA RAIL EFFICIENCY PROGRAM: WEST BASIN - ALAMEDA CORRIDOR SOUTHERN GAP CLOSURE	2018	EXISTING: \$9,000 REVISED: \$9,342	RTP PROJECT COST INCREASE.	REVISED DESCRIPTION AND COST.
20	LOS ANGELES	PORT OF LOS ANGELES	100706LA03	OTHER	--	TERMINAL ISLAND RAILYARD ENHANCEMENT PROJECT	2021	\$34,300	NEW RTP PROJECT COST.	NEW PROJECT
21	LOS ANGELES	LOS ANGELES COUNTY MTA	LA0G440	STATE HIGHWAY	I-5	EXISTING: PHASE 2 AND 3 OF 3: IN LA/SANTA CLARITA: PHASE 2: CONSTRUCT HOV LANE NORTHBOUND FROM ROUTE 14 TO WELDON CANYON RD; PHASE 3: CONSTRUCT HOV, TRUCK, & AUX LANES FROM SR-14 TO PARKER RD OC. REVISED: 1 HOV LANE IN EACH DIRECTION, FROM THE SR-14 TO LAKE HUGHES RD	EXISTING: 2017 REVISED: 2021	\$410,000 \$442,600	RTP PROJECT COST INCREASE.	REVISED DESCRIPTION, SCHEDULE, AND COST.
22	LOS ANGELES	LOS ANGELES COUNTY MTA	1162S010	STATE HIGHWAY	I-5	I-5 NORTH CAPACITY ENHANCEMENT (TRUCK ONLY) (FROM SR-14 TO KERN COUNTY LINE)	2039	\$373,100	NEW RTP PROJECT COST.	NEW PROJECT

TABLE 2 Continued

#	COUNTY	LEAD AGENCY	RTP ID	SYSTEM	ROUTE	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
23	LOS ANGELES	LOS ANGELES COUNTY MTA	1TL1001	STATE HIGHWAY	I-5	IN L.A./SANTA CLARITA ON RTE 5 FROM PICO CANYON TO PARKER RD, HOV AND AUXILIARY LANE IMPROVEMENTS	2025	\$390,000	NONE DUPLICATE PROJECT STILL IN RTP/SCS.	REMOVED DUPLICATE PROJECT.
24	LOS ANGELES	LOS ANGELES COUNTY MTA	1M0104	STATE HIGHWAY	SR-57/SR-60	SR-57/SR-60 INTERCHANGE IMPROVEMENT	EXISTING: 2029 REVISED: 2031	\$475,000 \$1,039,900	RTP PROJECT COST INCREASE.	REVISED SCHEDULE AND COST.
25	LOS ANGELES	LOS ANGELES COUNTY MTA	1M1001	STATE HIGHWAY	SR-71	EXPRESSWAY TO FREEWAY CONVERSION - ADD 1 HOV LANE AND 1 MIXED FLOW LANE (FROM I-10 TO RIO RANCHO RD)	EXISTING: 2029 REVISED: 2026	\$325,600 \$321,800	RTP PROJECT COST DECREASE.	REVISED SCHEDULE AND COST.
26	LOS ANGELES	LOS ANGELES COUNTY MTA	1162S011	STATE HIGHWAY	I-105	I-105 EXPRESS LANE FROM I-405 TO I-605	2029	\$228,500	NEW RTP PROJECT COST.	NEW PROJECT
27	LOS ANGELES	LOS ANGELES COUNTY MTA	1162S012	STATE HIGHWAY	I-405	SEPULVEDA PASS TRANSIT CORRIDOR (PH 1)	2026	\$310,500	NEW RTP PROJECT COST.	NEW PROJECT
28	LOS ANGELES	LOS ANGELES COUNTY MTA	1C0401	STATE HIGHWAY	I-710	EXISTING: I-710 SOUTH REVISED: I-710 SOUTH CORRIDOR PROJECT	EXISTING: 2025 REVISED: 2040	\$5,110,000 \$7,196,700	RTP PROJECT COST INCREASE.	REVISED DESCRIPTION, SCHEDULE, AND COST.
29	LOS ANGELES	LOS ANGELES COUNTY MTA	1162S013	STATE HIGHWAY	VARIOUS	HIGHWAY DEMAND BASED PROG. (HOV EXT. & CONNECT.) (SAN GABRIEL VALLEY)	2040	\$223,976	NEW RTP PROJECT COST.	NEW PROJECT
30	LOS ANGELES	LOS ANGELES COUNTY MTA	1162S014	STATE HIGHWAY	VARIOUS	HIGHWAY EFFICIENCY PROGRAM (LAS VIRGENES MALIBU)	2032	\$191,649	NEW RTP PROJECT COST.	NEW PROJECT

TABLE 2 Continued

#	COUNTY	LEAD AGENCY	RTP ID	SYSTEM	ROUTE	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
31	LOS ANGELES	LOS ANGELES COUNTY MTA	1162S015	STATE HIGHWAY	VARIOUS	I-605 CORRIDOR "HOT SPOT" INTERCHANGE IMPROVEMENTS (MEASURE M) (GATEWAY CITIES)	2040	\$1,202,297	NEW RTP PROJECT COST.	NEW PROJECT
32	LOS ANGELES	LOS ANGELES COUNTY MTA	1162S016	STATE HIGHWAY	VARIOUS	SOUTH BAY HIGHWAY OPERATIONAL IMPROVEMENTS (MEASURE M) (SOUTH BAY)	2040	\$1,066,554	NEW RTP PROJECT COST.	NEW PROJECT
33	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T017	TRANSIT	BRT CONNECTOR ORANGE/RED LINE TO GOLD LINE	BRT CONNECTOR ORANGE/RED LINE TO GOLD LINE	2022	\$283,400	NEW RTP PROJECT COST.	NEW PROJECT
34	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T018	TRANSIT	GOLD LINE EASTSIDE EXTENSION (SR-60)	PHASE 2 OF THE GOLD LINE EASTSIDE EXTENSION TO SOUTH EL MONTE ALONG SR-60	2035	\$4,530,700	NEW RTP PROJECT COST.	NEW PROJECT
35	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T019	TRANSIT	GOLD LINE EASTSIDE EXTENSION (WASHINGTON BLVD)	PHASE 2 OF THE GOLD LINE EASTSIDE EXTENSION TO WHITTIER ALONG WASHINGTON BLVD.	2035	\$4,530,700	NEW RTP PROJECT COST.	NEW PROJECT
36	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T020	TRANSIT	ORANGE LINE BRT IMPROVEMENTS	ORANGE LINE BRT IMPROVEMENTS	2025	\$321,400	NEW RTP PROJECT COST.	NEW PROJECT
37	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T029	TRANSIT	VERMONT	VERMONT TRANSIT CORRIDOR	2028	\$530,100	NEW RTP PROJECT COST.	NEW PROJECT
38	LOS ANGELES	LOS ANGELES COUNTY MTA	1120006	TRANSIT	GOLD LINE	EXISTING: METRO GOLD LINE FOOTHILL EXTENSION: AZUSA TO COUNTY LINE REVISED: GOLD LINE FOOTHILL EXTENSION TO CLAREMONT	EXISTING: 2035 REVISED: 2025	\$1,000,000 \$1,232,800	RTP PROJECT COST INCREASE.	REVISED DESCRIPTION, SCHEDULE, AND COST.

TABLE 2 Continued

#	COUNTY	LEAD AGENCY	RTP ID	SYSTEM	ROUTE	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
39	LOS ANGELES	LOS ANGELES COUNTY MTA	1160001	TRANSIT	SEPULVEDA TRANSIT CORRIDOR	EXISTING: SEPULVEDA PASS TRANSIT CORRIDOR	EXISTING: 2039	\$2,468,000	RTP PROJECT COST INCREASE.	REVISED DESCRIPTION, SCHEDULE, AND COST.
						REVISED: SEPULVEDA PASS TRANSIT CORRIDOR (PHASE 2)	REVISED: 2033	\$7,804,800		
40	LOS ANGELES	LOS ANGELES COUNTY MTA	1TR0101	TRANSIT	AIRPORT METRO CONNECTOR	EXISTING: NEW LIGHT RAIL STATION & CONSOLIDATED BUS FACILITIES PROVIDING TRANSFER BETWEEN PROPOSED LAX AUTOMATED PEOPLE MOVER, BUSES, METRO GREEN LINE LRT AND CRENSHAW/LAX LRT.	EXISTING: 2023	\$330,000	RTP PROJECT COST INCREASE.	REVISED DESCRIPTION, SCHEDULE, AND COST.
						REVISED: AIRPORT METRO CONNECTOR 96TH ST STATION/ GREEN LINE EXT LAX	REVISED: 2021	\$620,700		
41	LOS ANGELES	LOS ANGELES COUNTY MTA	1TR0706	TRANSIT	EAST SF VALLEY TRANSIT CORRIDOR	EXISTING: EAST SAN FERNANDO VALLEY TRANSIT CORRIDOR	EXISTING: 2018	\$157,464	RTP PROJECT COST INCREASE.	REVISED DESCRIPTION, SCHEDULE, AND COST.
						REVISED: EAST SF VALLEY TRANSIT CORRIDOR PROJECT	REVISED: 2027	\$1,572,500		
42	LOS ANGELES	LOS ANGELES COUNTY MTA	1TR1001	TRANSIT	GREEN LINE	EXISTING: GREEN LINE EXTENSION ALONG HARBOR SUBDIVISION TO THE PROPOSED TORRANCE TRANSIT CENTER	EXISTING: 2035	\$555,000	RTP PROJECT COST INCREASE.	REVISED DESCRIPTION, SCHEDULE, AND COST.
						REVISED: GREEN LINE EXTENSION TO CRENSHAW BLVD IN TORRANCE	REVISED: 2030	\$1,159,500		
43	LOS ANGELES	LOS ANGELES COUNTY MTA	1TR1003	TRANSIT	PURPLE LINE	EXISTING: METRO WESTSIDE SUBWAY EXTENSION SECTION 3 (CENTURY CITY TO WESTWOOD)	EXISTING: 2035	\$2,157,100	RTP PROJECT COST INCREASE.	REVISED DESCRIPTION, SCHEDULE, AND COST.
						REVISED: WESTSIDE PURPLE LINE EXTENSION SECTION 3	REVISED: 2024	\$2,659,000		

TABLE 2 Continued

#	COUNTY	LEAD AGENCY	RTP ID	SYSTEM	ROUTE	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
44	LOS ANGELES	LOS ANGELES COUNTY MTA	1TR1011	TRANSIT	--	EXISTING: WEST SANTA ANA BRANCH ROW CORRIDOR - PROVIDES FOR THE DEVELOPMENT OF AN 8 MILE LRT PROJECT IN THE WEST SANTA ANA ROW TO HUNTINGTON PARK WITH AN ADDITIONAL 12 MILE ROUTE TBD TO DOWNTOWN LOS ANGELES. REVISSED: WEST SANTA ANA BRANCH TRANSIT CORRIDOR LRT (FROM PIONEER BLVD (ARTESIA) TO UNION STATION/DOWNTOWN LA)	EXISTING: 2028 REVISSED: 2040	\$647,300 \$6,433,400	RTP PROJECT COST INCREASE.	REVISED DESCRIPTION, SCHEDULE, AND COST.
45	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T021	TRANSIT	VARIOUS	COUNTYWIDE BRT PROJECTS PH 1 (ALL SUBREGIONS) (SYSTEM CONNECTIVITY PROJECTS (NO SUBREGION))	2022	\$61,846	NEW RTP PROJECT COST.	NEW PROJECT
46	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T022	TRANSIT	VARIOUS	COUNTYWIDE BRT PROJECTS PH 2 (ALL SUBREGIONS) (SYSTEM CONNECTIVITY PROJECTS (NO SUBREGION))	2032	\$88,086	NEW RTP PROJECT COST.	NEW PROJECT
47	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T023	TRANSIT	VARIOUS	NORTH SAN FERNANDO VALLEY BUS RAPID TRANSIT IMPROVEMENTS (SYSTEM CONNECTIVITY PROJECTS (NO SUBREGION))	2023	\$222,830	NEW RTP PROJECT COST.	NEW PROJECT
48	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T024	TRANSIT	VARIOUS	STREET CAR AND CIRCULATOR PROJECTS (SYSTEM CONNECTIVITY PROJECTS (NO SUBREGION))	2022	\$41,822	NEW RTP PROJECT COST.	NEW PROJECT
49	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T025	TRANSIT	VARIOUS	TRANSIT PROGRAM (NORTH COUNTY)	2040	\$570,122	NEW RTP PROJECT COST.	NEW PROJECT
50	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T026	TRANSIT	VARIOUS	TRANSIT PROJECTS (ARROYO VERDUGO)	2040	\$249,283	NEW RTP PROJECT COST.	NEW PROJECT

TABLE 2 Continued

#	COUNTY	LEAD AGENCY	RTP ID	SYSTEM	ROUTE	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
51	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T027	TRANSIT	VARIOUS	BUS SYSTEM IMPROVEMENT PROGRAM (SAN GABRIEL VALLEY)	2040	\$53,328	NEW RTP PROJECT COST.	NEW PROJECT
52	LOS ANGELES	LOS ANGELES COUNTY MTA	1162T028	TRANSIT	VARIOUS	COUNTYWIDE BRT PROJECTS PH 3 (ALL SUBREGIONS) (SYSTEM CONNECTIVITY PROJECTS (NO SUBREGION))	2040	\$40,350	NEW RTP PROJECT COST.	NEW PROJECT
53	ORANGE	IRVINE	ORA110602	LOCAL HIGHWAY	LAGUNA CANYON	REVISED: WIDENING OF LAGUNA CANYON / I-405 OVERCROSSING FROM 2 LANES TO 4 LANES	EXISTING: 2018 <hr/> REVISED: 2025	EXISTING: \$10,892 <hr/> REVISED: \$9,300	RTP PROJECT COST DECREASE.	REVISED SCHEDULE AND COST.
54	ORANGE	VARIOUS AGENCIES	2A0704	LOCAL HIGHWAY	REGIONAL CAPACITY PROGRAM	COMPLETE MPAH, IMPROVE ARTERIAL CAPACITY	2035	\$2,731,000	NO CHANGE TO RTP PROJECT COST. NO FISCAL IMPACT.	REVISED MODELING DETAILS INCLUDING THE REMOVAL OF THE 22ND STREET ADDITIONS FROM NEWPORT TO 1,294 FEET FROM NEWPORT.
55	ORANGE	ORANGE COUNTY TRANSPORTATION AUTHORITY (OCTA)	2M0717	STATE HIGHWAY	I-5	EXISTING: IMPROVE ACCESS AND MERGING IN THE VICINITY OF EL TORO ROAD <hr/> REVISED: IMPROVE ACCESS AND MERGING IN THE VICINITY OF EL TORO ROAD (PM 17.9 TO 19.3)	2030	\$63,674 <hr/> \$57,954	RTP PROJECT COST DECREASE.	REVISED DESCRIPTION AND COST.

TABLE 2 Continued

#	COUNTY	LEAD AGENCY	RTP ID	SYSTEM	ROUTE	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
56	ORANGE	CALTRANS	2M0731	STATE HIGHWAY	I-5	EXISTING: ADD 1 MF LANE NB FROM TRUCK BYPASS ON RAMP TO SR-55; ADD 1 MF LANE SB FROM SR-55 TO ALTON AND 1 AUX LANE FROM ALTON TO TRUCK BYPASS. REVISSED: ADD 1 MF LANE NB FROM TRUCK BYPASS ON RAMP TO SR-55; ADD 1 MF LANE SB FROM SR-55 TO ALTON; IMPROVE MERGING. (PROJECT B)	2030	EXISTING: \$496,610 REVISSED: \$720,870	RTP PROJECT COST INCREASE.	REVISED DESCRIPTION AND COST.
57	ORANGE	CALTRANS	2M0733	STATE HIGHWAY	SR-55	ADD 1 MF LANE AND 1 HOV LANE EACH DIRECTION AND FIX CHOKEPOINTS FROM I-405 TO I-5; ADD 1 AUX LANE EA DIR BTWN SELECT ON/OFF RAMPS AND OPERATIONAL IMPROVEMENTS THROUGH PROJECT LIMITS	EXISTING: 2030 REVISSED: 2027	EXISTING: \$311,657 REVISSED: \$375,930	RTP PROJECT COST INCREASE.	REVISED SCHEDULE AND COST.
58	ORANGE	CALTRANS	2M0735A	STATE HIGHWAY	SR-57	ADD 1 MF LANE NB BETWEEN ORANGEWOOD AND KATELLA	2030	EXISTING: \$34,500 REVISSED: \$47,690	RTP PROJECT COST INCREASE.	REVISED COST.

TABLE 2 Continued

#	COUNTY	LEAD AGENCY	RTP ID	SYSTEM	ROUTE	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
59	ORANGE	ORANGE COUNTY TRANSPORTATION AUTHORITY (OCTA)	2M0736	STATE HIGHWAY	SR-91	EXISTING: ADD 1 MF LANE EB FROM 55 TO 57, AND 1 MF LANE WB FROM KRAEMER TO STATE COLLEGE; IMPROVE INTERCHANGES; AND ADD AUX LANES. REVISED: ADD 1 MF LANE EB FROM 55 TO 57; ADD 1 MF LANE WB FROM GLASSELL TO STATE COLLEGE; IMPROVE INTERCHANGES AND MERGING FROM LAKEVIEW TO RAYMOND	2030	EXISTING: \$481,827 REVISED: \$456,190	RTP PROJECT COST DECREASE.	REVISED DESCRIPTION AND COST.
60	ORANGE	ORANGE COUNTY TRANSPORTATION AUTHORITY (OCTA)	2M0728	STATE HIGHWAY	I-405	ADD 1 MF LANE EACH DIRECTION FROM I-5 TO SR-55 AND ADD SB AUX LANES FROM 133 TO IRV CTR DR	2030	EXISTING: \$424,620 REVISED: \$323,600	RTP PROJECT COST DECREASE.	REVISED COST.
61	ORANGE	ORANGE COUNTY TRANSPORTATION AUTHORITY (OCTA)	2M0719	STATE HIGHWAY	I-605	IMPROVE INTERCHANGE	2035	EXISTING: \$19,390 REVISED: \$29,600	RTP PROJECT COST INCREASE.	REVISED COST.
62	ORANGE	ORANGE COUNTY TRANSPORTATION AUTHORITY (OCTA)	2TR1001	TRANSIT	OC STREETCAR	OC STREETCAR BETWEEN SARTC AND A NEW TRANSIT CENTER IN GARDEN GROVE, NEAR THE INTERSECTION OF HARBOR BOULEVARD AND WESTMINSTER AVENUE	2021	EXISTING: \$300,879 REVISED: \$304,434	RTP PROJECT COST INCREASE.	REVISED COST.

TABLE 2 Continued

#	COUNTY	LEAD AGENCY	RTP ID	SYSTEM	ROUTE	DESCRIPTION	COMPLETION YEAR	COST (\$1,000's)	FISCAL IMPACT	REASON FOR AMENDMENT
69	SAN BERNARDINO	EXISTING: SAN BERNARDINO ASSOCIATED GOVERNMENTS (SANBAG) REVISED: SAN BERNARDINO COUNTY TRANSPORTATION AUTHORITY (SBCTA)	4122003	STATE HIGHWAY	I-10	EXISTING: ON I-10 ADD/ CONSTRUCT NEW EASTBOUND TRUCK CLIMBING LANE FROM LIVE OAK CANYON ROAD TO SINGLETON RD INCLUDING TRANSITION BETWEEN COUNTY LINE AND CALIMESA BLVD REVISED: ON I-10 CONTINUE THE EXISTING EASTBOUND TRUCK CLIMBING LANE ON I-10 FROM THE 16TH ST BRIDGE IN THE CITY OF YUCAIPA FOR ABOUT 3 MILES TO JUST EAST OF THE COUNTY LINE ROAD UNDERCROSSING. THE PROJECT INCLUDES A TRANSITION LANE TO ALLOW TRUCKS TO MERGE WITH GENERAL TRAFFIC AND MAY INCLUDE MINOR STRUCTURAL IMPROVEMENTS TO ACCOMMODATE FOR LANE WIDENING.	2023	\$50,024	NO CHANGE TO RTP PROJECT COST. NO FISCAL IMPACT.	REVISED LEAD AGENCY AND DESCRIPTION.

TABLE 3 Modifications to Strategic Projects

#	COUNTY	RTP ID	SYSTEM	ROUTE	DESCRIPTION	LEAD AGENCY	REASON FOR AMENDMENT
1	LOS ANGELES	S11610001	OTHER	VARIOUS	ACTIVE TRANSPORTATION PROGRAM (GATEWAY CITIES)	LOS ANGELES COUNTY MTA	NEW PROJECT (UNCONSTRAINED)

FISCAL IMPACT

This Amendment includes changes to existing projects, deletion of existing projects and the addition of new projects. Individual project changes are addressed in the Project Modifications section of this document.

In terms of overall impact on the 2016 RTP/SCS Financial Plan, cost increases from changes to existing projects and the addition of new projects total \$33.276 billion, which are offset by \$391 million in cost decreases as a result of changes to existing projects and deletions. The modifications result in an overall net cost increase of \$32.885 billion to the 2016 RTP/SCS Financial Plan.

New projects added as part of this amendment are being funded in part by the addition of \$31.759 billion in Local Option Sales Tax and in \$1.127 billion in Other Local Funds to the RTP/SCS Financial Plan, which are in addition to 2016 RTP/SCS forecasted revenues.

Based on a review of the funding considerations for each project documented herein, SCAG finds that this amendment does not adversely impact the financial constraint of the 2016 RTP/SCS. The 2016 RTP/SCS remains financially constrained.

TABLE 4 Fiscal Impact Summary

(Amounts in \$1,000's)	Total
Cost Increases: Changes to Existing and New Projects	\$33,275,972
Cost Decreases: Changes to Existing Projects and Deleted Projects	\$390,505
Net Cost Increase (Decrease)	\$32,885,467
Additional Funding Sources:	
Local Option Sales Tax Measures	\$31,758,956
Other Local Funds	\$1,126,512
Total Sources	\$32,885,467

SENATE BILL 375 AND THE SUSTAINABLE COMMUNITIES STRATEGY

Upon the adoption of the 2016 RTP/SCS in April 2016, SCAG determined that the Plan met or exceeded all of the requirements for a Sustainable Communities Strategy (SCS) as set forth in SB 375. A description of the SCS and how the requirements are addressed is included in the adopted Plan in Chapters 5 and 8, as well as in the SCS Background Documentation Appendix. At the time of adoption, SCAG concluded that State established per-capita greenhouse gas emission reduction targets of 8 percent by 2020 and 13 percent by 2035 had been met or exceeded. The California Air Resources Board (ARB) reviewed and approved this conclusion in June 2016 by their Executive Order G-16-066, specifying that SCAG's adopted SCS would, if implemented, achieve 2020 and 2035 greenhouse gas emission reduction targets established by the State. This Amendment to the 2016 RTP/SCS makes certain changes to transportation projects and other Plan assumptions as described in this document. Staff has reviewed the Amendment relative to the adopted Plan and to the requirements of SB 375 and has determined that the 2016 RTP/SCS remains valid under SB 375 and continues to meet and/or exceed the greenhouse gas emission reduction targets.

At the time this Amendment to the 2016 RTP/SCS is being prepared, ARB is in the process of updating per-capita greenhouse gas reduction targets for all metropolitan planning organizations in the State. SCAG has collaborated and communicated with ARB during this update process and will make recommendations to the State regarding updated 2020 and 2035 targets for the SCAG region in 2017. SCAG anticipates that per-capita greenhouse gas reduction targets will be approved by ARB for the SCAG region in 2017.

The recent adoption of Senate Bill 32 requires ARB to ensure that statewide greenhouse gas emissions are reduced to 40 percent below 1990 levels by 2030. Accordingly, SCAG anticipates that the State may establish higher per-capita greenhouse gas reduction targets for the region in 2017 to facilitate achieving this statewide goal. While updated per-capita greenhouse gas reduction targets will not apply retroactively to the adopted 2016 RTP/SCS or to any subsequent amendments, they will apply to the forthcoming 2020 RTP/SCS and associated planning process.

TRANSPORTATION CONFORMITY

Transportation conformity is required under the Federal Clean Air Act to ensure that federally supported highway and transit project activities conform to the purpose of the State Implementation Plan (SIP). Conformity to the purpose of the SIP means that transportation activities will not cause new air quality violations, worsen existing violations, or delay timely attainment of the relevant National Ambient Air Quality Standards (NAAQS). Conformity applies to nonattainment and maintenance areas for the following transportation-related criteria pollutants: ozone, particulate matter (PM_{2.5} and PM₁₀), carbon monoxide (CO) and nitrogen dioxide (NO₂).

Under the U.S. Department of Transportation metropolitan planning regulations and U.S. Environmental Protection Agency's (EPA's) transportation conformity regulations, the 2016 RTP/SCS Amendment #2 and the 2017 FTIP Amendment #17-07 need to pass five tests: consistency with the adopted and as previously amended 2016 RTP/SCS, regional emissions analysis, timely implementation of transportation control measures (TCMs), financial constraint and interagency consultation and public involvement.

The findings of the conformity determination for the 2016 RTP/SCS Amendment #2 and the 2017 FTIP Amendment #17-07 are presented below. Details of the regional emissions analysis follow the findings.

CONFORMITY FINDINGS

SCAG's findings for the approval of the 2016 RTP/SCS Amendment #2 and the 2017 FTIP Amendment #17-07 are as follows:

- **Consistency with 2016 RTP/SCS Test**

Inclusion of the amended projects in the 2016 RTP/SCS and 2017 FTIP would not change any other policies, programs or projects in the federally approved 2016 RTP/SCS.

- Finding: Amendment #2 to the 2016 RTP/SCS and Amendment #17-07 to the 2017 FTIP are consistent with the federally approved 2016 RTP/SCS and meet all federal and state requirements and regulations.

- **Regional Emissions Tests**

- Finding: The regional emissions analyses for Amendment #2 to the 2016 RTP/SCS and Amendment #17-07 to the 2017 FTIP update the regional emissions analyses for the federally approved 2016 RTP/SCS and 2017 FTIP.
- Finding: Amendment #2 to the 2016 RTP/SCS and Amendment #17-07 to the 2017 FTIP regional emissions analysis for PM_{2.5} and its precursors (2006 and 2012 NAAQS) meet all applicable emission budget tests for all milestone, attainment and planning horizon years in the South Coast Air Basin (SCAB).
- Finding: Amendment #2 to the 2016 RTP/SCS and Amendment #17-07 to the 2017 FTIP regional emissions for ozone precursors meet all applicable emission budget tests for all milestone, attainment and planning horizon years for the Morongo Band of Mission Indians (Morongo), Pechanga Band of Luiseno Mission Indians of the Pechanga Reservation (Pechanga), SCAB excluding Morongo and Pechanga, South Central Coast Air Basin ([SCCAB], Ventura County portion), Western Mojave Desert Air Basin ([MDAB], Los Angeles County Antelope Valley portion and San Bernardino County western portion of MDAB) and the Salton Sea Air Basin ([SSAB], Riverside County Coachella Valley and Imperial County portions).
- Finding: Amendment #2 to the 2016 RTP/SCS and Amendment #17-07 to the 2017 FTIP regional emissions for NO₂ meet all applicable emission budget tests for all milestone, attainment and planning horizon years in the SCAB.
- Finding: Amendment #2 to the 2016 RTP/SCS and Amendment #17-07 to the 2017 FTIP regional emissions for CO meet all applicable emission budget tests for all milestone, attainment and planning horizon years in SCAB.
- Finding: Amendment #2 to the 2016 RTP/SCS and Amendment #17-07 to the 2017 FTIP regional emissions for PM₁₀ and its precursors meet all applicable emission budget tests for all milestone, attainment and planning horizon years in SCAB and the SSAB (Riverside County Coachella Valley portion).
- Finding: Amendment #2 to the 2016 RTP/SCS and Amendment #17-07 to the 2017 FTIP regional emissions for PM₁₀ meet the interim emission test (build/no-build test) for all milestone, attainment and planning horizon years for the MDAB (San Bernardino County portion excluding Searles Valley portion) and Searles Valley portion of San Bernardino County and for the SSAB (Imperial County portion).
- Finding: Amendment #2 to the 2016 RTP/SCS and Amendment #17-07 to the 2017 FTIP regional emissions analysis for PM_{2.5} and its precursors (2006 and 2012 NAAQS) meet the interim emission test (build/no-build test) for all milestone, attainment and planning horizon years for the SSAB (urbanized area of Imperial County portion).

- **Timely Implementation of TCMs Test**

- Finding: The TCM project categories listed in the 1994/1997/2003/2007/2012 Ozone SIPs for the SCAB area were given funding priority, are expected to be implemented on schedule and, in the case of any delays, any obstacles to implementation have been or are being overcome.
- Finding: The TCM strategies listed in the 1994 (as amended in 1995) Ozone SIP for the SCCAB (Ventura County) were given funding priority, are expected to be implemented on schedule and, in the case of any delays, any obstacles to implementation have been or are being overcome.

- **Financial Constraint Test**

- Finding: All projects listed in Amendment #2 to the 2016 RTP/SCS and Amendment #17-07 to the 2017 FTIP are financially constrained for all fiscal years. Fiscal constraint is analyzed in the Fiscal Impact chapter of this report.

- **Interagency Consultation and Public Involvement Test**

- Finding: Amendment #2 to the 2016 RTP/SCS and Amendment #17-07 to the 2017 FTIP comply with all federal requirements for interagency consultation and public involvement. The Amendments were discussed at the Transportation Conformity Working Group (TCWG), which includes representatives from the federal, state and local air quality and transportation agencies, on three occasions (January 24, February 28 and March 28, 2017). The draft conformity analysis will be released for a 30-day public review commencing April 6, 2017 and concluding May 8, 2017 and a public hearing is scheduled to be held on April 25, 2017. All public comments received will be documented and responded to.

REGIONAL EMISSIONS ANALYSIS

The following tables summarize the required regional emission analyses for each of the nonattainment and maintenance areas within SCAG's jurisdiction based on EMFAC2014 which is the latest emission model approved by U.S. EPA on December 14, 2016. For those areas which require budget tests, the emissions values in the tables below utilize the rounding convention used by California Air Resources Board to set the budgets (i.e., any fraction rounded up to the nearest ton) and are the basis of the conformity findings for these areas. For paved road dust ($PM_{2.5}$ and PM_{10}), SCAG uses the approved South Coast AQMD methodology, which uses EPA's AP-42 for the updated Base Year and a combination of additional growth in center-line miles and Vehicles Miles Traveled (VMT) for future years.

South Central Coast Air Basin – Ventura County Portion

TABLE 5 2008 8-Hour Ozone (Summer Planning Emissions [Tons/Day])

Pollutant		2020	2030	2040
ROG	Budget	13	13	13
	Plan	5	3	2
Budget – Plan		8	10	11
NO _x	Budget	19	19	19
	Plan	6	3	3
Budget – Plan		13	16	16

South Coast Air Basin

TABLE 6 2008 8-Hour Ozone (Summer Planning Emissions [Tons/Day])

Pollutant		Nonattainment Area	2017	2020	2023	2031	2040
ROG	Budget	SCAB	119	108	99	99	99
		Morongo	0.5	0.4	0.3	0.2	0.2
	Plan	Pechanga	0.1	0.1	0.1	0.0	0.0
		SCAB excluding Morongo and Pechanga	102.1	79.3	67.3	49.2	37.1
		Sum	102.7	79.8	67.7	49.4	37.3
		SCAB	103	80	68	50	38
		Budget – Plan	16	28	31	49	61
NO _x	Budget	SCAB	224	185	140	140	140
		Morongo	2.3	1.8	1.1	0.7	0.6
	Plan	Pechanga	0.9	0.7	0.5	0.3	0.2
		SCAB excluding Morongo and Pechanga	180.5	137.7	86.6	64.1	59.1
		Sum	183.7	140.2	88.2	65.1	59.9
		SCAB	184	141	89	66	60
		Budget – Plan	40	44	51	74	80

TABLE 7 2006 and 2012 PM_{2.5} Standards (Annual Emissions [Tons/Day])

Pollutant		2019	2021	2030	2040
ROG	Budget	132	132	132	132
	Plan	76	72	48	35
Budget – Plan		56	60	84	97
NO _x	Budget	290	290	290	290
	Plan	165	136	71	64
Budget – Plan		125	154	219	226
PM _{2.5}	Budget	35	35	35	35
	Plan	20	20	20	20
Budget – Plan		15	15	15	15

TABLE 8 PM₁₀ (Annual Planning Emissions [Tons/Day])

Pollutant		2020	2030	2040
ROG	Budget	110	81	81
	Plan	73	47	33
Budget – Plan		37	34	48
NO _x	Budget	180	116	116
	Plan	149	71	64
Budget – Plan		31	45	52
PM ₁₀	Budget	164	175	175
	Plan	85	90	90
Budget – Plan		79	85	85

TABLE 9 CO (Winter Planning Emissions [Tons/Day])

Pollutant		2020	2030	2040
CO	Budget	2,137	2,137	2,137
	Plan	573	318	238
Budget – Plan		1,564	1,819	1,899

TABLE 10 NO₂ (Winter Planning Emissions [Tons/Day])

Pollutant		2020	2030	2040
NO ₂	Budget	680	680	680
	Plan	148	70	62
Budget – Plan		532	610	618

Western Mojave Desert Air Basin – Los Angeles County (Antelope Valley Portion) and San Bernardino County (Western Portion of MDAB)

TABLE 11 2008 8-Hour Ozone (Summer Planning Emissions [Tons/Day])

Pollutant		2020	2026	2031	2040
ROG	Budget	22	22	22	22
	Plan	8	6	6	5
Budget – Plan		14	16	16	17
NO _x	Budget	77	77	77	77
	Plan	18	10	9	11
Budget – Plan		59	67	68	66

Mojave Desert Air Basin – San Bernardino County Portion Excluding Searles Valley

TABLE 12 PM₁₀ (Annual Planning Emissions [Tons/Day])

Pollutant		2021	2031	2040
PM ₁₀	No Build	9.8	12.1	14.2
	Build	8.9	11.0	12.7
No Build – Build		0.9	1.1	1.5

Mojave Desert Air Basin – Searles Valley Portion

TABLE 13 PM₁₀ (Annual Planning Emissions [Tons/Day])

Pollutant		2021	2031	2040
PM ₁₀	No Build	0.0	0.0	0.0
	Build	0.0	0.0	0.0
No Build – Build		0.0	0.0	0.0

Salton Sea Air Basin – Riverside County Coachella Valley Portion

TABLE 14 2008 8-Hour Ozone (Summer Planning Emissions [Tons/Day])

Pollutant		2020	2026	2031	2040
ROG	Budget	7	7	7	7
	Plan	4	3	3	3
Budget – Plan		3	4	4	4
NO _x	Budget	26	26	26	26
	Plan	8	5	4	5
Budget – Plan		18	21	22	21

TABLE 15 PM₁₀ (Annual Planning Emissions [Tons/Day])

Pollutant		2021	2031	2040
PM ₁₀	Budget	10.9	10.9	10.9
	Plan	5.0	5.6	5.9
Budget – Plan		5.9	5.3	5.0

Salton Sea Air Basin – Imperial County Portion

TABLE 16 2008 8-Hour Ozone (Summer Planning Emissions [Tons/Day])

Pollutant		2017	2021	2031	2040
ROG	Budget	7	7	7	7
	Plan	4	3	3	2
Budget – Plan		3	4	4	5
NO _x	Budget	17	17	17	17
	Plan	7	5	4	4
Budget – Plan		10	12	13	13

TABLE 17 2006 and 2012 PM_{2.5} Standards (Annual Planning Emissions [Tons/Day])

Pollutant		2021	2031	2040
NO _x	No Build	2.4	1.6	1.6
	Build	2.4	1.5	1.6
No Build – Build		0.0	0.1	0.0
PM _{2.5}	No Build	0.2	0.2	0.3
	Build	0.2	0.2	0.2
No Build – Build		0.0	0.0	0.1

TABLE 18 PM₁₀ (Annual Planning Emissions [Tons/Day])

Pollutant		2021	2031	2040
PM ₁₀	No Build	1.4	1.6	1.8
	Build	1.0	1.2	1.4
No Build – Build		0.4	0.4	0.4

PUBLIC REVIEW AND COMMENT

SCAG is required to provide a 30-day public review and comment period for the Draft Amendment. A Notice of Availability and Public Hearing and the Draft Amendment will be posted by April 6, 2017 at <http://scag.ca.gov> and <http://scagrtpscscs.net>. Written comments will be accepted until 5:00PM on Monday, May 8, 2017, via U.S. mail or email to:

Southern California Association of Governments
Attention: 2016 RTP/SCS
818 West Seventh Street, 12th Floor
Los Angeles, CA 90017
or to rtpscs@scag.ca.gov

A public hearing will also be held at SCAG's Main Office in Los Angeles on Tuesday, April 25, 2017, at 3:00PM and will be accessible via videoconference at SCAG's regional offices: <http://www.scag.ca.gov/about/Pages/SCAGOffices.aspx>.

SCAG has and will continue to fully coordinate this Amendment with regional stakeholders through SCAG's committee structure. Specifically, staff has and will continue to provide periodic reports regarding this Amendment to the Transportation Committee (TC), Energy and Environment Committee (EEC), Technical Working Group (TWG) and Transportation Conformity Working Group (TCWG).

CONCLUSION

This Amendment maintains the integrity of the transportation conformity findings of the approved 2016 RTP/SCS. This Amendment also remains valid under SB 375 and continues to meet and/or exceed the greenhouse gas emission reduction targets. Appropriate and adequate procedures have been followed in ensuring coordination of this Amendment, allowing all concerned parties, stakeholders and the public ample opportunities to voice concern and provide input. In conclusion, this Amendment to the 2016 RTP/SCS complies with all applicable federal and state requirements, including the Transportation Conformity Rule.



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Riverside, CA 92501
Phone: (951) 784-1513
Fax: (951) 784-3925

San Bernardino County
Santa Fe Depot
1170 West 3rd Street, Suite 140
San Bernardino, CA 92410
Phone: (909) 806-3556
Fax: (909) 806-3572

Ventura County
950 County Square Drive, Suite 101
Ventura, CA 93003
Phone: (805) 642-2800
Fax: (805) 642-2260



DRAFT AMENDMENT #2

INCLUDING THE
2017 FEDERAL TRANSPORTATION IMPROVEMENT PROGRAM
CONSISTENCY AMENDMENT #17-07

APRIL 6, 2017