



U.S. Department
of Transportation
**Federal Transit
Administration**

REGION IX
Arizona, California,
Hawaii, Nevada, Guam
American Samoa,
Northern Mariana Islands

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June 19, 2019

Bruce de Terra
Chief, Division of Transportation Programming
Department of Transportation
Division of Budgets
PO Box 942873, MS-24
Sacramento, CA 94273-0001

Re: Caltrans FSTIP FFYs 2019-2022 Amendment

Dear Mr. de Terra:

The Federal Transit Administration Region 9 Office (FTA) received Caltrans' approval of Amendment No. 2 to the to the San Diego Association of Governments' (SANDAG) 2018/19-2022/23 Federal Transportation Improvement Program (FTIP), along with its recommendation to approve the amendment to California's Federal Statewide Transportation Improvement Program (FSTIP), transmitted via letter dated May 13, 2019. FTA staff have reviewed the accompanying documentation and concur with the recommendation. SANDAG's amendment was developed through a continuing, cooperative and comprehensive transportation planning process carried out in accordance with the metropolitan planning provisions of 23 U.S.C. 134, and 49 U.S.C. Chapter 53 as amended by Public Law 114-94, the Fixing America's Surface Transportation Act (FAST).

Per agreement with the Federal Highway Administration California Division and with its noted concurrence, FTA approves this transit-only amendment for inclusion in California's 2019 FSTIP on behalf of both federal agencies. This approval is provided with the understanding that FTA funding approval for individual projects contained in the FSTIP are subject to grantees meeting all necessary FTA administrative requirements, and that approval of this programming action does not provide an eligibility determination for any federal funding program.

If you have any questions regarding this approval, please contact Mr. Darin Allan, Community Planner, at 415.734.9470 or darin.allan@dot.gov.

Sincerely,

for Ray Tellis
Regional Administrator

cc: Sue Alpert, SANDAG
Michael Morris, FHWA

DEPARTMENT OF TRANSPORTATION

DIVISION OF BUDGETS
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*Making Conservation
a California Way of Life.*

May 13, 2019

Mr. Vincent Mammano
Division Administrator
Federal Highway Administration
650 Capitol Mall, Suite 4-100
Sacramento, CA 95814

Mr. Edward Carranza, Jr.
Regional Administrator
Federal Transit Administration, TRO-9
90 Seventh Street, Suite 15-300
San Francisco, CA 94103-6701

Attention: Ms. Tashia Clemons

Attention: Mr. Ted Matley

Dear Ms. Clemons and Mr. Matley:

The California Department of Transportation (Caltrans) has completed the review of the following amendment to the San Diego Association of Governments' (SANDAG) 2018/19 – 2022/23 Federal Transportation Improvement Program (FTIP):

<u>No.</u>	<u>Description</u>
2	Transit Transportation System <ul style="list-style-type: none">This amendment modifies projects that include funding from the Road Repair and Accountability Act of 2017, Low Carbon Transit Operations Program, and various Federal Transit Administration (FTA) programs.

See enclosure.


SANDAG has certified that the amendment is consistent with the Regional Transportation Plan, is financially constrained, is consistent with the regional emission analysis, and meets the requirements of public involvement procedures adopted by SANDAG.

Pursuant to the authority delegated to me by the Director of Caltrans, I approve SANDAG's Amendment Number 2. I also recommend that the Federal Highway Administration and FTA approve this FTIP amendment for inclusion into California's 2019 Federal Statewide Transportation Improvement Program (FSTIP). Projects included in this FTIP, in fiscal years beyond the four-year cycle of the current FSTIP, are not approved as part of this FTIP amendment and are for information only. Approval of this amendment does not constitute an eligibility determination of projects for federal funding.

Mr. Vincent Mammano/ Mr. Edward Carranza, Jr.
May 13, 2019
Page 2

Please address any questions on this FSTIP approval request to Abhijit Bagde of my staff, at (916) 654-3638.

Sincerely,

for 
BRUCE DE TERRA
Chief
Division of Transportation Programming

Enclosures

c: Karina OConnor - EPA Office of Air Planning (w/enclosure)
Sue Alpert - San Diego Association of Governments



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May 10, 2019

File Number 1500300

Mr. Bruce De Terra, Division Chief
Division of Transportation Programming
Attention: Mr. Muhaned Aljabiry
Office of Federal Transportation Management Program
P.O. Box 942874, Mail Station 82
Sacramento, CA 94274

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- Mexico

Dear Mr. Aljabiry:

Subject: Transmittal of Amendment No. 02 to the 2018 Regional Transportation Improvement Program for the San Diego Association of Governments

The following Amendment No. 02 to the 2018 Regional Transportation Improvement Program (RTIP) for the San Diego Association of Governments (SANDAG) is being transmitted to you for state and federal approval. The SANDAG Board of Directors, acting as the Regional Transportation Commission, approved Resolution No. RTC-2019-02 at the May 10, 2019, meeting.

This amendment includes changes to 15 projects within San Diego County and includes changes derived from the FY 2020 Transit Capital Improvement Program from the North County Transit District, the Metropolitan Transit System, and SANDAG.

SANDAG certifies that projects in this amendment are not included in any other amendment that currently is open for public review. Also, as part of the SANDAG Public Participation Policy, SANDAG transmitted the draft Amendment No. 02 to interested parties for a 15-day public review period between March 8, 2019, and March 29, 2019. No comments were received.

The project changes and additions in Amendment No. 02 do not affect air quality conformity. The proposed amendment does not reflect any changes in the design, concept, or scope of the project or the conformity analysis years as modeled for the regional emissions analysis of the 2018 RTIP and San Diego Forward: The Regional Plan.

The projects contained within Amendment No. 02 to the 2018 RTIP are fiscally constrained based upon available or committed funding and/or reasonable estimates of future funding. An electronic version of the fiscal constraint table has been sent via email to Caltrans staff.

If you have any questions, please feel free to contact me at (619) 595-5318 or sue.alpert@sandag.org.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sue Alpert", with a long horizontal flourish extending to the right.

SUE ALPERT
Senior Financial Programming Analyst

SALP/RRR/kwa

Enclosures

FY 2020 Transit Capital Improvement Program

Overview

The regional Transit Capital Improvement Program (CIP) is a rolling five-year plan, which outlines current transit needs and planned investments in transit capital, rehabilitation, and replacement projects. The program is updated annually and is designed to meet ongoing transit operational and infrastructure needs in a responsive and efficient manner.

As the Metropolitan Planning Organization (MPO) for the San Diego region, SANDAG is the designated recipient for Federal Transit Administration (FTA) formula funds and is responsible for approving the grant applications for the San Diego region and programming the FTA funds in the Regional Transportation Improvement Program (RTIP).

Key Considerations

Three FTA formula programs: Section 5307 Urbanized Area Formula Program, Section 5337 State of Good Repair Program, and Section 5339 Bus and Bus Facilities Program, are the primary source of funding for the transit agency CIPs and generally provide 80 percent of the cost of eligible activities (Attachment 1). Additional state and local funding sources supplement the FTA programs. The combined funding for the region is \$308.6 million for FY 2020 and \$1.4 billion for the five-year program from FY 2020 to FY 2024. The individual transit agency CIP summaries are in Attachment 2.

After allocating funds to SANDAG for the cost of the vanpool program, the balance of the Section 5307 funds is allocated to the operators on a 70 percent/30 percent basis, with the more populous Metropolitan Transit System (MTS) area receiving 70 percent and the 30 percent share going to North County Transit District (NCTD)¹. The same 70/30 formula is used to allocate the Sections 5337 and 5339 funds between MTS and NCTD. Funding assumptions used for development of the FY 2020 Transit CIP are based on Federal Fiscal Year (FFY) 2019 apportionments, which came in slightly lower than last year, and some carryover of the FFY 2018 apportionments. The estimate for FTA formula programs are conservatively assumed to remain flat for the four final years of the estimate, FFY 2021 through FFY 2024. The *TransNet* funding estimate for the FY 2020 CIP reflects the revenue estimates approved by the SANDAG Board of Directors at its February 22, 2019, meeting.

Action: **Recommend**

The Transportation Committee recommends that the Board of Directors:

1. approve the submittal of Federal Transit Administration grant applications for the San Diego region; and
2. adopt Regional Transportation Commission (RTC) Resolution No. RTC-2019-02 approving Amendment No. 2 to the 2018 Regional Transportation Improvement Program.

Fiscal Impact:

Pending approval by the Board of Directors, the Transit Capital Improvement Programs will provide approximately \$309 million for capital projects, preventive maintenance, Americans with Disabilities Act compliance, and planning activities in FY 2020.

Amendment No. 2 reflects an increase of approximately \$335 million to the 2018 Regional Transportation Improvement Program of which \$74 million is *TransNet*.

Schedule/Scope Impact:

Federal Transit Administration grant applications would be executed in summer 2019.

¹ This methodology was approved by the SANDAG Board of Directors at its February 23, 2007, meeting.

MTS and NCTD reviewed and prioritized capital project submittals to ensure that operationally critical projects were funded. The NCTD Board of Directors approved its CIP on December 20, 2018, and the MTS Board of Directors approved its CIP on March 21, 2019. The FY 2020 Transit Capital Program Fiscally Constrained CIPs can be seen in Attachment 3.

Regional Transportation Improvement Program

As the MPO for the San Diego region, SANDAG is the designated recipient for FTA formula funds and is responsible for programming the FTA funds in the RTIP. The RTIP is the multiyear funding program for major transportation projects in the San Diego region. Projects included in the CIP, and subsequently in the FTA grant application, also must be programmed in the RTIP.

Major changes in funding are highlighted in Attachment 5, while the proposed amendments are included in Attachment 6. The *TransNet* Independent Taxpayer Oversight Committee reviewed Amendment No. 2 to the 2018 RTIP at its April 10, 2019, meeting, focusing its review on the *TransNet*-funded projects within this amendment.

Tables 3a through 3c (Attachment 7) provide updated program financial summaries, including a comparison from the prior approved formal amendment (Amendment No. 1) to the 2018 RTIP.

It has been determined that the 2018 RTIP would remain in compliance with federal regulations upon approval of Amendment No. 2 (Attachment 8).

Next Steps

Pending approval by the Board of Directors, SANDAG, MTS, and NCTD will submit the FTA grant applications for the San Diego region and the 2018 RTIP Amendment No. 2 will be transmitted to Caltrans for review and approval and then forwarded to the Federal Highway Administration and FTA. Upon the approval of both federal agencies, the amendment will be incorporated into the 2019 Federal Statewide Transportation Improvement Program.

André Douzjian, Director of Finance; José Nuncio, Director of TransNet

Key Staff Contacts: Kimberly Monasi, (619) 699-6902, kimberly.monasi@sandag.org
Sue Alpert, (619) 595-5318, sue.alpert@sandag.org

- Attachments:
1. FTA Formula Programs
 2. Proposed Transit Capital Improvement Program Summaries for FY 2020 to FY 2024
 3. Proposed FY 2020 Transit Capital Improvement Program – Fiscally Constrained
 4. RTC Resolution No. RTC-2019-02: Approving Amendment No. 2 to the 2018 RTIP
 5. Table 1 – Summary of Changes Report – Amendment No. 2
 6. Table 2 – 2018 Regional Transportation Improvement Program – Amendment No. 2
 7. Tables 3a-3c: Fiscal Constraint Analysis for Amendment No. 2 to the 2018 RTIP
 8. Federal Requirements Analysis for RTIP Amendment No. 2

Federal Transit Administration Formula Programs

Section 5307

Section 5307 Urbanized Area Program provides funding for transit capital and operating assistance in urbanized areas and for transportation-related planning. Eligible activities under this program include planning, engineering design, and evaluation of transit projects and other technical transportation-related studies; capital investments in bus and bus-related activities such as replacement of buses; overhaul and rebuilding of buses; crime prevention and security equipment; construction of maintenance and passenger facilities; and capital investments in new and existing fixed guideway systems including rolling stock, overhaul and rebuilding of vehicles, track, signals, communications, and computer hardware and software. All preventive maintenance and some Americans with Disabilities Act complementary paratransit service, while recorded as operating expenditures, are considered capital costs for purposes of eligibility. The Federal Transit Administration defines preventive maintenance as all maintenance costs related to vehicles and non-vehicles. Specifically, it is all the activities, supplies, materials, labor, services, and associated costs required to preserve or extend the functionality and serviceability of the asset in a cost-effective manner, up to and including the current state-of-the-art for maintaining such an asset.

Section 5337

This State of Good Repair Program provides capital assistance for maintenance, replacement, and rehabilitation projects of high-intensity fixed guideway and bus systems to help transit agencies maintain assets in a state of good repair. Additionally, State of Good Repair grants are eligible for developing and implementing Transit Asset Management plans. This program reflects a commitment to ensuring that public transit operates safely, efficiently, reliably, and sustainably so that communities can offer balanced transportation choices that help to improve mobility, reduce congestion, and encourage economic development. Eligible activities include projects that maintain, rehabilitate, and replace capital assets as well as projects that implement transit asset management plans. The FAST Act clarifies that high-intensity motorbus tier funds can only be used for vehicle state of good repair costs and not for roadway state of good repair costs.

Section 5339

The FAST Act provides both formula and discretionary programs for this section as developed under the Moving Ahead for Progress in the 21st Century Act (MAP-21). The Bus and Bus Facilities Program makes federal funding available for the purpose of financing capital bus and bus-related projects which will support the continuation and expansion of public transportation services in the United States. There also is a sub-program that provides competitive grants for bus and bus facility projects that support low- and zero-emissions vehicles. The purpose of both formula and competitive programs is to provide capital funding to replace, rehabilitate, and purchase buses, vans, and related equipment, and to construct bus-related facilities.

**NORTH COUNTY TRANSIT DISTRICT
TRANSIT CAPITAL PROGRAM SUMMARY
FY 2020 to FY 2024
in '000's**

	FY 20	FY 21	FY 22	FY 23	FY 24	Five Year Total
Federal Formula Program 5307	19,900	19,900	19,900	19,900	19,900	99,500
Federal Formula Program 5307 Carryover	175	0	0	0	0	175
Federal Formula Program 5337	12,950	12,950	12,950	12,950	12,950	64,750
Federal Formula Program 5337 Carryover	2,066	0	0	0	0	2,066
Federal Formula Program 5339	1,962	1,962	1,962	1,962	1,962	9,810
Federal Formula Program 5339 Carryover	567	0	0	0	0	567
FTA Section 5311	424	424	424	424	424	2,120
FTA Section 5339(b)	1,207	0	0	0	0	1,207
State Transit Assistance (STA)	5,367	5,367	2,999	2,999	2,999	19,731
State SB1: State of Good Repair (SGR)	1,604	1,604	1,604	1,604	1,604	8,020
State Cap and Trade: Low Carbon Transit Operations Program (LCTOP)	1,610	1,610	1,610	1,610	1,610	8,050
State Cap and Trade: Transit and Intercity Rail Capital Program (TIRCP)	17,450	0	0	0	0	17,450
State Rail Assistance (SRA)	4,100	4,100	4,100	4,100	4,100	20,500
Transportation Development Act (TDA)	41,308	42,825	44,353	46,006	47,644	222,136
<i>TransNet</i>	13,857	14,366	14,895	15,431	15,980	74,529
LOSSAN	277	0	0	0	0	277
Carl Moyer Program	0	10,000	0	0	0	10,000
Total Federal Funding (including local match)	\$124,824	\$115,108	\$104,797	\$106,986	\$109,173	\$560,888
Less:						
Preventive Maintenance /ADA/Planning	75,982	78,262	89,768	91,986	94,173	430,171
Total Funding Available For Capital Projects	\$48,842	\$36,846	\$15,029	\$15,000	\$15,000	\$130,717

**METROPOLITAN TRANSIT SYSTEM
TRANSIT CAPITAL PROGRAM SUMMARY
FY 2020 to FY 2024
in \$000's**

	FY 20	FY 21	FY 22	FY 23	FY 24	Five Year Total
Federal Formula Program 5307	46,432	46,432	46,432	46,433	46,433	232,162
Federal Formula Program 5307 Carryover	408	0	0	0	0	408
Federal Formula Program 5337	30,222	30,223	30,223	30,222	30,222	151,112
Federal Formula Program 5337 Carryover	3,676	0	0	0	0	3,676
Federal Formula Program 5339	4,578	4,578	4,578	4,578	4,578	22,890
Federal Formula Program 5339 Carryover	1,322	0	0	0	0	1,322
FTA Section 5339(b)	3,923	0	0	0	0	3,923
State Transit Assistance (STA): FY19-20	17,657	16,893	16,893	16,893	16,893	85,229
STA: FY18-19 SB1	12,028	0	0	0	0	12,028
State SB1: State of Good Repair (SGR)	4,462	4,500	4,500	4,500	4,500	22,462
State Cap and Trade: Low Carbon Transit Operations Program (LCTOP)	6,248	4,800	4,800	4,800	4,800	25,448
State Cap and Trade: LCTOP Carryover	1,204	0	0	0	0	1,204
State Cap and Trade: Transit and Intercity Rail Capital Program (TIRCP)	10,660	29,188	0	0	0	39,848
San Diego and Arizona Eastern (SD&AE) Railway: Desert Line	1,000	0	0	0	0	1,000
Transportation Development Act (TDA)	38,479	37,060	37,810	38,560	39,310	191,219
Capital Project Transfers	127	0	0	0	0	127
Total Federal Funding (including local match)	\$182,426	\$173,674	\$145,236	\$145,986	\$146,736	\$794,058
Less:						
Preventive Maintenance /ADA/Planning	60,811	61,777	62,777	63,777	64,777	313,919
SANDAG Planning	845	862	862	862	862	4,293
Total Funding Available For Capital Projects	\$120,770	\$111,035	\$81,597	\$81,347	\$81,097	\$475,846

**NORTH COUNTY TRANSIT DISTRICT
FY 2020 TRANSIT CAPITAL PROGRAM
FISCALLY CONSTRAINED
In \$000's**

Implementing Agency	PROJECT	FY 20	FY 21	FY 22	FY 23	FY 24	
1	NCTD	Signal Respacing and Optimization Construction	15,900	0	0	0	0
2	NCTD	COASTER Locomotive Purchase	8,821	20,890	0	0	0
3	NCTD	BREEZE Fleet Replacement - CNG	5,000	9,202	9,439	9,677	9,914
4	NCTD	Zero Emission Bus (ZEB) Purchase	2,817	1,610	1,610	1,610	1,610
5	NCTD	COASTER Passenger Car Overhaul	2,317	0	0	0	0
6	NCTD	SPRINTER Power Pack Overhaul	2,182	0	0	0	0
7	NCTD	SPRINTER Carbody Brake System	1,562	0	0	0	0
8	NCTD	Regional Transportation Management System (RTMS) Radio Upgrade	1,500	0	0	0	0
9	NCTD	At-Grade Crossing Renewal	1,388	0	0	0	0
10	NCTD	Fare Revenue System	1,230	956	0	0	0
11	NCTD	ROW Fencing Construction	1,041	0	0	0	0
12	NCTD	Gas Methane Refurbishment East Division	855	0	0	0	0
13	NCTD	Bus Wash - East Division	699	0	0	0	0
14	NCTD	SPRINTER Wheel Replacement	434	279	0	0	0
15	NCTD	SPRINTER Caliper Rebuilds	422	0	0	0	0
16	NCTD	Electric Panel Project	300	0	0	0	0
17	NCTD	SPRINTER Air Bag Replacement	300	0	0	0	0
18	NCTD	SPRINTER DMU Refurbishment	293	0	0	0	0
19	NCTD	SPRINTER Truck Overhauls	292	48	242	242	242
20	NCTD	Zero Emission Bus (ZEB) Infrastructure Project Study Report	290	0	0	0	0
21	NCTD	ROW Fencing Design	259	0	0	0	0
22	NCTD	Payroll and Employee Self-Service System	256	0	0	0	0
23	NCTD	Network Integration	250	0	0	0	0
24	NCTD	COASTER Operations Facility Building Netting	125	0	0	0	0
25	NCTD	JDE Real Estate Functionality	100	0	0	0	0
26	NCTD	Information Technology Storage Upgrades	56	0	0	0	0
27	NCTD	SPRINTER Gearbox Overhaul	48	48	48	0	0
28	NCTD	Information Technology (IT) Administrative Server Upgrades	47	55	40	40	40
29	NCTD	Windows Server Licenses	42	0	0	0	0
30	NCTD	Information Technology (IT) Equipment Upgrades	17	17	17	17	17
31	NCTD	LIFT Vehicle Replacement	0	2,164	1,501	1,142	1,414
32	NCTD	Bus Engine and Transmission Rebuilds	0	587	587	587	587
33	NCTD	Driver Control Unit Upgrade	0	500	0	0	0
34	NCTD	Roof Assessment, Design and Construction	0	340	340	0	0
35	NCTD	Concrete and Asphalt Pavement Repair Program	0	150	150	150	150
36	NCTD	East Division Masterplan Improvement Design	0	0	1,025	1,025	1,025
37	NCTD	Fare Revenue System	0	0	29	0	0
38	NCTD	Driver Control Unit Upgrade	0	0	0	475	0
39	NCTD	Data Warehouse	0	0	0	35	0
FIVE YEAR CIP - CONSTRAINED		48,842	36,846	15,029	15,000	15,000	

**METROPOLITAN TRANSIT SYSTEM
FY 2020 TRANSIT CAPITAL PROGRAM
FISCALLY CONSTRAINED
In \$000's**

Implementing Agency		PROJECT	FY 20	FY 21	FY 22	FY 23	FY 24	Five Year Total
1	MTS	SD100 Light Rail Vehicle Replacement	22,000	22,000	22,000	27,000	27,000	120,000
2	MTS	Bus Procurement	18,567	27,488	17,517	20,550	26,304	110,426
3	MTS	New Transit Facility	17,388	0	20,000	20,000	20,000	77,388
4	MTS	Regional Transit Management System Hardware Upgrade and Radio Site Refresh	10,316	0	0	0	0	10,316
5	MTS	Zero Emission Bus Pilot Program	7,452	0	0	0	0	7,452
6	MTS	Middletown Double Crossover - Construction	6,222	0	0	0	0	6,222
7	MTS	Substations Replacement	4,462	0	0	4,000	0	8,462
8	MTS	Old Town Transit Center West Improvements	3,518	0	0	0	0	3,518
9	MTS	SDTC ADA Bus Procurement	3,230	0	0	0	0	3,230
10	MTS	Beyer Blvd Track and Slope	3,042	0	0	0	0	3,042
11	MTS	Fare System Replacement	3,000	9,000	0	0	0	12,000
12	MTS	Southbay Feeder Bus Service - Design	2,500	20,366	0	0	0	22,866
13	MTS	Trolley Station Network Communications Equipment	1,506	0	0	0	0	1,506
14	MTS	Orange/Blue Line Tie Replacement	1,400	0	0	0	0	1,400
15	MTS	New Elevator at Fashion Valley	1,327	0	0	0	0	1,327
16	SANDAG	Green Line Catenary Upgrade	1,323	0	0	0	0	1,323
17	MTS	Imperial Ave Transit Center Expansion	1,000	1,830	3,080	0	0	5,910
18	MTS	Miscellaneous Capital	1,000	0	0	0	0	1,000
19	MTS	Systemwide CCTV Maintenance	901	0	0	0	0	901
20	MTS	Imperial Avenue Transit Center Double Tracking - Design	794	7,942	0	0	0	8,736
21	MTS	Central Train Control System Technology Refresh	750	0	0	0	0	750
22	MTS	Grade Crossing Replacement	750	0	0	0	0	750
23	MTS	San Diego State University Variable Frequency Drives	700	0	0	0	0	700
24	MTS	Data Storage Replacement	625	0	0	0	0	625
25	MTS	Mission Valley West Signal Upgrades	600	0	0	0	0	600
26	MTS	C Building Fall Protection - C1 East	551	0	0	0	0	551
27	MTS	Pyramid Building Improvements	500	0	0	0	0	500
28	MTS	Hill Street/Enterprise Wall	500	0	0	0	0	500
29	MTS	Beech Double Crossover - Design	450	4,615	0	0	0	5,065
30	MTS	America Plaza Pedestrian Enhancements - Design	400	4,294	0	0	0	4,694
31	MTS	Trolley Real Time System - Phase 2	336	0	0	0	0	336
32	MTS	Building C Door Replacement	325	0	0	0	0	325
33	MTS	Server Replacement	310	0	0	0	0	310
34	MTS	Network Equipment Replacement	300	0	0	0	0	300
35	MTS	Mills Building Restaurant Suite Improvements	291	0	0	0	0	291
36	MTS	Compressed Nature Gas Dryer Replacement	287	0	0	0	0	287
37	MTS	Bus Yard Wireless Network Replacement	220	0	0	0	0	220
38	MTS	Imperial Avenue Division Annex HVAC and Roof Replacement	215	0	0	0	0	215
39	MTS	Imperial Avenue Division to Operating Control Center Fiber	202	0	0	0	0	202
40	MTS	C Building Auxiliary Power Supplies	200	0	0	0	0	200
41	MTS	Kearny Mesa Division Shop Hoists - Design	182	0	0	0	0	182
42	MTS	Station Parking Lots Resurface - Massachusetts	175	0	0	0	0	175
43	MTS	Orange Line Station Bench & Trash Receptacle	155	0	0	0	0	155
44	MTS	Rio Vista Platform - Design	140	0	0	0	0	140
45	MTS	Kearny Mesa Division 2nd Floor Flooring	140	0	0	0	0	140
46	MTS	Imperial Avenue Division Lot Lighting Replacement	125	0	0	0	0	125
47	MTS	Imperial Avenue Division Fall Protection Safety Upgrade	110	0	0	0	0	110
48	MTS	Fall Protection Building A	104	0	0	0	0	104
49	MTS	Kearny Mesa Division Tire Storage Shelter	75	0	0	0	0	75
50	MTS	Radio Infrastructure	73	0	0	0	0	73
51	MTS	Fall Protection Building C	32	0	0	0	0	32
52	MTS	Zero Emission Bus Infrastructures	0	13,500	19,000	9,797	7,793	50,090
FIVE YEAR CIP - CONSTRAINED			120,770	111,035	81,597	81,347	81,097	475,846



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Approving Amendment No. 2 to the 2018 Regional Transportation Improvement Program

WHEREAS, on September 28, 2018, SANDAG adopted the 2018 Regional Transportation Improvement Program (RTIP) and found the 2018 RTIP in conformance with the applicable State Implementation Plans (SIPs), and with the 2016 Regional Air Quality Strategy (RAQS), in accordance with California law; and

WHEREAS, on December 17, 2018, the U.S. Department of Transportation determined the 2018 RTIP and the San Diego Forward: The Regional Plan (Regional Plan) in conformance to the applicable SIPs in accordance with the provisions of 40 Code of Federal Regulations (CFR) Parts 51 and 93; and

WHEREAS, the San Diego Metropolitan Transit System (MTS), North County Transit District (NCTD) and SANDAG have requested various changes to existing projects for inclusion into the 2018 RTIP as shown in Table 2; and

WHEREAS, this amendment is consistent with the metropolitan transportation planning regulations per 23 CFR Part 450 including the performance-based planning requirements; and

WHEREAS, this amendment is consistent with the Regional Plan, which conforms to the to all applicable SIPs and to the emissions budgets from the 2008 *Eight-Hour Ozone Attainment Plan for San Diego County*, which were found adequate for transportation conformity purposes by the U.S. Environmental Protection Agency in December 2017; and

WHEREAS, the regionally significant, capacity increasing projects have been incorporated into the quantitative air quality emissions analysis and conformity findings conducted for the Regional Plan and the 2018 RTIP; and

WHEREAS, the regionally significant, capacity increasing projects have been incorporated into the quantitative air quality emissions analysis and conformity findings conducted for the Regional Plan and the 2018 RTIP; and

WHEREAS, Amendment No. 2 to the 2018 RTIP continues to provide for timely implementation of transportation control measures contained in the adopted RAQS/SIP for air quality and a quantitative emissions analysis demonstrates that the implementation of the RTIP projects and programs meet all the federally required emissions budget targets; and

WHEREAS, projects in Amendment No. 2 satisfy the transportation conformity provisions of 40 CFR 93.122(g) and all applicable transportation planning requirements per 23 CFR Part 450 including the performance-based planning requirements; and

WHEREAS, all other projects in Amendment No. 2 are either non-capacity increasing or exempt from the requirements to determine conformity; and

WHEREAS, the projects in 2018 RTIP Amendment No. 2 are fiscally constrained; and

WHEREAS, the projects in 2018 RTIP Amendment No. 2 are consistent with the Public Participation Policy adopted by the SANDAG Board of Directors; and

NOW THEREFORE BE IT RESOLVED that the SANDAG Board of Directors, ALSO ACTING AS THE SAN DIEGO COUNTY REGIONAL TRANSPORTATION COMMISSION, AS FOLLOWS:

BE IT RESOLVED that the SANDAG Board of Directors, does hereby approve Amendment No. 2 to the 2018 RTIP; and

BE IT FURTHER RESOLVED, that SANDAG finds the 2018 RTIP, including Amendment No. 2, is consistent with the Regional Plan, is in conformance with the applicable SIPs, and with the 2016 RAQS for the San Diego region, is consistent with SANDAG Intergovernmental Review Procedures, and is consistent with SANDAG Public Participation Policy, as amended.

PASSED AND ADOPTED this 10th of May 2019.

Ayes Carlsbad, Chula Vista, City of San Diego, Coronado, County of San Diego, Del Mar, El Cajon, Encinitas, Escondido, Imperial Beach, La Mesa, Lemon Grove, National City, Oceanside, Poway, San Marcos, Santee, Solana Beach, and Vista.

Noes None.

Absent None.



**Chair of the Board of Directors
of the San Diego County Regional
Transportation Commission**

[Seal]

Attest



**Secretary of the Board of Directors of the
San Diego County Regional Transportation
Commission**

**Table 1 - Summary of Changes Report (\$000)
Amendment No. 2**

Project ID	Lead Agency	Project Title	Total Programmed Before	Total Programmed Revised	Cost Difference	Percent Change	Change Description *
North County Transit District							
NCTD02	North County Transit District	Preventive Maintenance	\$117,743	\$146,784	\$29,041	32%	↑ FTA 5307, ↑ FTA 5337, + SB1 - SRA, + STA, ↓ TDA; Reflects the addition of FY23 Federal and matching funds
NCTD03	North County Transit District	ADA Paratransit Services	\$32,470	\$54,667	\$22,197	68%	↓ <i>TransNet</i> -ADA and ↑ TDA; Paratransit operating costs have increased substantially and have low farebox recovery
NCTD05	North County Transit District	Bus Revenue Vehicle Purchases & Related Equipment	\$74,505	\$119,880	\$45,375	61%	↑ FTA 5307, ↑ FTA 5339, ↑ SB1 - SGR, ↑ STA, ↑ TDA; FY19-23 increases fund the replacement of ten (10) CNG and procurement of six (6) electric buses.
NCTD06	North County Transit District	Bus/Rail Support Equipment & Facilities	\$64,140	\$46,788	(\$17,352)	-27%	↓ FTA 5307, ↑ FTA 5337, ↓ FTA 5339, + STA, ↓ TDA; Funds were reallocated to support bus procurement
NCTD16B	North County Transit District	Oceanside to Escondido Rail-SPRINTER Debt Service	\$10,639	\$9,980	(\$659)	-6%	↓ <i>TransNet</i> -TSI, ↓ TDA
NCTD18	North County Transit District	Rail-Right-of-Way State of Good Repair & Improvements	\$14,043	\$2,688	(\$11,355)	-81%	↓ FTA 5307, ↑ FTA 5337, ↓ SB1, STA and TDA, + SB1 - TIRCP and Local Funds; This decrease results from the contractual obligation of the rail operator to provide state of good repair. Funds have been transferred to Operating Costs on project NCTD34
NCTD20	North County Transit District	Rail Vehicles & Related Equipment	\$65,911	\$44,860	(\$21,051)	-32%	↓ FTA 5307, ↑ FTA 5337, ↓ SB1 - SGR, ↓ SB1 - SRA, ↓ STA, ↓ TDA, + SB1 - TIRCP; state and local funds were reallocated to support bus procurement. This project received a \$10M Carl Moyer grant from ARB for the replacement of five (5) locomotives which is not reflected in the programming as it is not required to be programmed.
NCTD34	North County Transit District	Transit Service Operating Support	\$209,604	\$225,520	\$15,916	8%	↑ <i>TransNet</i> -TSI, ↑ FTA 5311, ↑ TDA, ↓ STA; Reflects increased transit operating costs
San Diego Association of Governments							
SAN23	San Diego Association of Governments	Mid-Coast LRT Corridor Project	\$2,171,201	\$2,171,201	\$0	0%	↔ Revise funding between years
SAN36	San Diego Association of Governments	Bus/Rail Signal & Communications Equipment	\$17,940	\$19,534	\$1,594	9%	↑ FTA 5307 and ↑ TDA
SAN40	San Diego Association of Governments	Metropolitan Planning	\$56,520	\$63,694	\$7,174	13%	↑ <i>TransNet</i> - BPNS, MC, SGIP, SS; ↑ FTA 5307, ↑ Local Funds
SAN132	San Diego Association of Governments	Elvira to Morena Double Track	\$194,454	\$193,760	(\$694)	0%	↓ FTA 5307
San Diego Metropolitan Transit System							
MTS23A	San Diego Metropolitan Transit System	Transit Service Operations	\$33,102	\$38,256	\$5,154	16%	↑ FTA 5307, ↓ FTA 5339, + SB1 - TIRCP, ↑ TDA
MTS28	San Diego Metropolitan Transit System	Bus & Rail Rolling Stock purchases and Rehabilitations	\$227,228	\$271,287	\$44,059	19%	↑ FTA 5307, ↑ FTA 5339, ↑ LCTOP, + SB1 - SGR, + SB1 - TICRP, ↑ STA, ↓ TDA; Addition of FY23 Federal and matching funds plus TIRCP award for Zero Emission Buses
MTS29	San Diego Metropolitan Transit System	Bus and Fixed Guideways Station Stops and Terminals	\$27,450	\$37,381	\$9,931	36%	+ SB1 - TIRCP, ↑ TDA
MTS30	San Diego Metropolitan Transit System	Bus/Rail Support Facilities and Equipment	\$74,441	\$133,930	\$59,489	80%	↑ LCTOP, + SB1 - SGR, ↑ STA, ↑ TDA; Funds added for a the New Transit Facility and Zero Emission Bus Infrastructure - large projects that will be implemented in the next five years

LEGEND:
 ↑ Increase
 ↓ Reduce
 ↔ Revise

Table 1 - Summary of Changes Report (\$000)
Amendment No. 2

Project ID	Lead Agency	Project Title	Total Programmed Before	Total Programmed Revised	Cost Difference	Percent Change	LEGEND:	Change Description *
							↑ Increase ↓ Reduce ↔ Revise	
MTS31	San Diego Metropolitan Transit System	Rail Electrification and Power	\$15,074	\$12,738	(\$2,336)	-15%	↑ SB1 - SGR, ↓ STA, ↑ TDA	
MTS32A	San Diego Metropolitan Transit System	Preventive Maintenance	\$438,238	\$536,224	\$97,986	22%	↑ TransNet -TSI, ↑ FTA 5307, ↑ FTA 5337, ↑ Local Funds; Two additional years of TransNet and increased FTA and Local funds added to fund forecasted increases in the costs for preventive maintenance year over year	
MTS33A	San Diego Metropolitan Transit System	Senior Disabled Program	\$8,632	\$10,547	\$1,915	22%	↑ TransNet - ADA	
MTS34	San Diego Metropolitan Transit System	Bus Signal and Communications Equipment	\$43,935	\$52,591	\$8,656	20%	↑ FTA 5339, ↑ TDA;	
MTS35	San Diego Metropolitan Transit System	Fixed Guideway Transitways/Lines	\$29,884	\$43,392	\$13,508	45%	+ SB1 - TIRCP, ↓ STA, ↑ TDA, ↑ Local Funds; TIRCP award for double crossovers on the blue line and double tracking at Imperial Ave. on the green line	

* Additional explanation provided for those projects that have a change of more than \$10M or 40% based on the federal guidelines that determine what consists of a minor change and is considered an administrative modification.

- FTA 5307 Federal Transit Administration Urbanized Area Formula Program
- FTA 5337 Federal Transit Administration State of Good Repair Grant Program
- FTA 5339 Federal Transit Administration Bus and Bus Facilities Grant Program
- LCTOP State Low Carbon Transit Operations Program
- SB1 - SRA Senate Bill 1 - State Rail Assistance Commuter Rail
- SB1 - SGR Senate Bill 1 - State Transit Assistance State of Good Repair
- SB1 - TIRCP Senate Bill 1 - Transit and Intercity Rail Capital Program
- STA State Transit Assistance
- TDA Transportation Development Act
- TransNet - ADA Prop A Extension - Americans with Disabilities Act
- TransNet - TSI Prop A Extension - Transit System Improvements
- Local Funds Funds available from other sources such as developer fees, fare revenue or general fund

Table 2
2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)

North County Transit District

MPO ID: NCTD02								RTIP #:18-02		
Project Title: Preventive Maintenance										
Project Description: NCTD service area - This project funds preventive maintenance for the District bus fixed route, paratransit, rail, facilities, maintenance of way and signals.										
Change Reason: Add new funding source, Increase funding										
Capacity Status:NCI Exempt Category:Mass Transit - Transit operating assistance										
Est Total Cost: \$146,784										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$65,152		\$15,928	\$11,899	\$12,639	\$12,357	\$12,329	\$65,152		
FTA 5337	\$52,275		\$5,887	\$11,436	\$11,438	\$11,743	\$11,771	\$52,275		
SB1 - SRA Commuter	\$12,242				\$4,042	\$4,100	\$4,100	\$12,242		
STA	\$5,827				\$1,977	\$1,925	\$1,925	\$5,827		
TDA	\$11,288		\$5,454	\$5,834				\$11,288		
TOTAL	\$146,784		\$27,269	\$29,169	\$30,096	\$30,125	\$30,125	\$146,784		
PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$48,451		\$11,248	\$11,698	\$12,394	\$13,111		\$48,451		
FTA 5337	\$44,903		\$10,907	\$11,332	\$11,332	\$11,332		\$44,903		
TDA	\$24,389		\$5,989	\$5,958	\$6,132	\$6,311		\$24,389		
TOTAL	\$117,743		\$28,144	\$28,988	\$29,858	\$30,754		\$117,743		

MPO ID: NCTD03								RTIP #:18-02		
Project Title: ADA Paratransit Services										
Project Description: NCTD service area - This project supports the operations of the District ADA/paratransit services.										
Change Reason: Increase funding										
Capacity Status:NCI Exempt Category:Mass Transit - Transit operating assistance										
Est Total Cost: \$54,667										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - ADA	\$4,231	\$2,371	\$347	\$358	\$371	\$385	\$399	\$4,231		
TransNet - ADA Carryover	\$50	\$41	\$9					\$50		
FTA 5307	\$2,000	\$2,000						\$2,000		
Local Funds	\$7,981	\$7,981						\$7,981		
TDA	\$40,405	\$7,547	\$6,176	\$6,358	\$6,562	\$6,771	\$6,990	\$40,405		
TOTAL	\$54,667	\$19,940	\$6,532	\$6,716	\$6,933	\$7,156	\$7,389	\$54,667		
PROJECT LAST AMENDED 18-01										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - ADA	\$4,238	\$2,371	\$347	\$359	\$373	\$387	\$401	\$4,238		
TransNet - ADA Carryover	\$50	\$41	\$9					\$50		
FTA 5307	\$2,000	\$2,000						\$2,000		
Local Funds	\$7,981	\$7,981						\$7,981		
TDA	\$18,201	\$7,547	\$1,979	\$2,053	\$2,129	\$2,205	\$2,287	\$18,201		
TOTAL	\$32,470	\$19,940	\$2,335	\$2,412	\$2,502	\$2,592	\$2,688	\$32,470		

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

North County Transit District

MPO ID: NCTD05		RTIP #:18-02
Project Title: Bus Revenue Vehicle Purchases & Related Equipment		
Project Description: NCTD service area - This project funds the programmatic replacement of fixed route buses that have reached the end of their service life, and the programmatic rebuild of fixed route buses engines and transmissions. FY19-23 funding includes the purchase of ten (10) 35 ft. CNG buses and six (6) zero-emission battery-electric buses and chargers		
Change Reason: Other		
Capacity Status:NCI	Exempt Category:Mass Transit - Purchase new buses and rail cars to replace existing vehicles or minor expansions of fleet	

Est Total Cost: \$119,880										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - MC	\$1,509	\$1,509								\$1,509
TransNet - Transit (Cash)	\$1,155	\$1,155								\$1,155
FTA 5307	\$53,680	\$21,834	\$1,471	\$8,000	\$7,260	\$7,543	\$7,571			\$53,680
FTA 5309 (Bus)	\$4,622	\$4,622								\$4,622
FTA 5311	\$2,036	\$2,036								\$2,036
FTA 5339	\$14,567	\$2,984	\$3,735	\$1,962	\$1,962	\$1,962	\$1,962			\$14,567
FTA Funds - AR-5311	\$578	\$578								\$578
Other State - LCTOP	\$8,050		\$1,610	\$1,610	\$1,610	\$1,610	\$1,610			\$8,050
SB1 - SGR	\$4,813				\$1,604	\$1,604	\$1,604			\$4,813
STA	\$3,433		\$1,000	\$181	\$701	\$772	\$779			\$3,433
TCRP	\$7,700	\$7,700								\$7,700
Local Funds	\$13,060	\$13,060								\$13,060
TDA	\$4,677	\$2,367		\$2,310						\$4,677
TOTAL	\$119,880	\$57,845	\$7,816	\$14,063	\$13,137	\$13,491	\$13,526			\$119,880

PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - MC	\$1,509	\$1,509								\$1,509
TransNet - Transit (Cash)	\$1,155	\$1,155								\$1,155
FTA 5307	\$23,915	\$21,834				\$2,081				\$23,915
FTA 5309 (Bus)	\$4,622	\$4,622								\$4,622
FTA 5311	\$2,036	\$2,036								\$2,036
FTA 5339	\$3,945	\$2,984		\$635	\$119	\$206				\$3,945
FTA Funds - AR-5311	\$578	\$578								\$578
Other State - LCTOP	\$8,050		\$1,610	\$1,610	\$1,610	\$1,610	\$1,610			\$8,050
SB1 - SGR	\$1,575						\$1,575			\$1,575
STA	\$2,568						\$2,568			\$2,568
TCRP	\$7,700	\$7,700								\$7,700
Local Funds	\$13,060	\$13,060								\$13,060
TDA	\$3,792	\$2,367		\$159	\$30	\$1,236				\$3,792
TOTAL	\$74,505	\$57,845	\$1,610	\$2,404	\$1,759	\$5,133	\$5,753			\$74,505

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

North County Transit District

MPO ID: NCTD06		RTIP #:18-02
Project Title:	Bus/Rail Support Equipment & Facilities	
Project Description:	NCTD service area - This project funds District state of good repair projects, including the repair, replacement and upgrade of fixed route and rail operations facilities and equipment, including information technology equipment.	
Change Reason:	Reduce funding	
Capacity Status:	NCI	Exempt Category: Mass Transit - Purchase of office, shop and operating equipment for existing facilities

Est Total Cost: \$46,788										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$21,190	\$18,516	\$2,675							\$21,190
FTA 5309 (Bus)	\$332	\$332								\$332
FTA 5337	\$9,900	\$3,668	\$1,738	\$1,214	\$1,281	\$1,014	\$986			\$9,900
FTA 5339	\$1,694	\$1,694								\$1,694
Transit Security (TSGP)	\$1,538	\$1,538								\$1,538
STA	\$820				\$320	\$253	\$246			\$820
Local Funds	\$5,474	\$5,474								\$5,474
TDA	\$5,840	\$4,433	\$1,103	\$304						\$5,840
TOTAL	\$46,788	\$35,655	\$5,516	\$1,518	\$1,601	\$1,267	\$1,232			\$46,788

PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$29,501	\$18,516	\$2,232	\$4,052	\$2,869	\$1,831				\$29,501
FTA 5309 (Bus)	\$332	\$332								\$332
FTA 5337	\$4,384	\$3,668	\$345	\$108	\$205	\$58				\$4,384
FTA 5339	\$7,298	\$1,694	\$1,641	\$1,006	\$1,522	\$1,435				\$7,298
Transit Security (TSGP)	\$1,538	\$1,538								\$1,538
SB1 - SRA Commuter	\$586						\$586			\$586
Local Funds	\$5,474	\$5,474								\$5,474
TDA	\$15,027	\$4,433	\$1,059	\$2,735	\$2,123	\$4,677				\$15,027
TOTAL	\$64,140	\$35,655	\$5,277	\$7,901	\$6,719	\$8,001	\$586			\$64,140

MPO ID: NCTD16B		RTIP #:18-02
Project Title:	Oceanside to Escondido Rail-SPRINTER Debt Service	
Project Description:	SPRINTER, Oceanside to Escondido - This project funds debt service on \$34 million of Certificates of Completion issued to fund SPRINTER rail construction.	
Change Reason:	Reduce funding	
Capacity Status:	NCI	Exempt Category: Mass Transit - Transit operating assistance

Est Total Cost: \$9,980										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - TSI	\$9,980		\$2,180	\$1,950	\$1,950	\$1,950	\$1,950	\$9,980		
TOTAL	\$9,980		\$2,180	\$1,950	\$1,950	\$1,950	\$1,950	\$9,980		

PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - TSI	\$10,639		\$2,180	\$2,134	\$2,139	\$2,092	\$2,094	\$10,639		
TOTAL	\$10,639		\$2,180	\$2,134	\$2,139	\$2,092	\$2,094	\$10,639		

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

North County Transit District

MPO ID: NCTD18		RTIP #:18-02
Project Title:	Rail-Right-of-Way State of Good Repair & Improvements	
Project Description:	NCTD service area - This project funds various District state of good repair projects and programs for the rail right of way, grade crossing replacement, right-of-way (ROW) drainage improvement, and programmatic replacement of rail ties and rail grinding.	
Change Reason:	Add new funding source, Reduce funding	
Capacity Status:	NCI Exempt Category:Mass Transit - Track rehabilitation in existing right of way	

Est Total Cost: **\$2,688**

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5337	\$1,110		\$1,110							\$1,110
SB1 - TIRCP	\$1,300		\$1,300							\$1,300
Local Funds	\$278		\$278							\$278
TOTAL	\$2,688		\$2,688							\$2,688

PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$8,793		\$2,135	\$2,297	\$2,995	\$1,367				\$8,793
FTA 5337	\$156			\$156						\$156
SB1 - SRA Commuter	\$1,836						\$1,836			\$1,836
STA	\$395		\$200		\$195					\$395
TDA	\$2,863		\$534	\$1,168	\$749	\$412				\$2,863
TOTAL	\$14,043		\$2,869	\$3,621	\$3,939	\$1,779	\$1,836			\$14,043

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

North County Transit District

MPO ID: NCTD20	RTIP #:18-02
Project Title:	Rail Vehicles & Related Equipment
Project Description:	NCTD service area - This project funds the District state of good repair projects and programs replacing, repairing and rehabilitating the District COASTER and SPRINTER rail fleets, which includes the purchase of replacement locomotives, and Diesel Multiple Unit (DMU) rehabilitation and component overhauls. This project also includes the construction of a series of tasks to improve signal optimization on the San Diego Subdivision of the LOSSAN corridor
Change Reason:	Reduce funding
Capacity Status:	NCI
Exempt Category:	Mass Transit - Purchase new buses and rail cars to replace existing vehicles or minor expansions of fleet

Est Total Cost: **\$44,860**

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5337	\$7,200		\$6,281	\$300	\$232	\$194	\$194			\$7,200
SB1 - SGR	\$3,208		\$1,604	\$1,604						\$3,208
SB1 - SRA Commuter	\$8,258		\$4,100	\$4,100	\$58					\$8,258
SB1 - TIRCP	\$16,150			\$16,150						\$16,150
STA	\$9,649		\$4,367	\$5,186		\$48	\$48			\$9,649
TDA	\$395		\$320	\$75						\$395
TOTAL	\$44,860		\$16,672	\$27,415	\$290	\$242	\$242			\$44,860

PROJECT LAST AMENDED 18-00

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$9,502		\$3,922	\$2,044	\$1,834	\$1,703				\$9,502
FTA 5337	\$608		\$344		\$59	\$205				\$608
SB1 - SGR	\$6,300		\$1,575	\$1,575	\$1,575	\$1,575				\$6,300
SB1 - SRA Commuter	\$17,878		\$3,900	\$4,100	\$4,100	\$4,100	\$1,678			\$17,878
STA	\$15,267		\$3,030	\$3,750	\$3,555	\$3,750	\$1,182			\$15,267
Local Funds	\$10,000		\$5,000	\$5,000						\$10,000
TDA	\$6,356		\$1,937	\$766	\$3,176	\$477				\$6,356
TOTAL	\$65,911		\$19,708	\$17,235	\$14,299	\$11,810	\$2,860			\$65,911

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

North County Transit District

MPO ID: NCTD34	RTIP #:18-02
Project Title: Transit Service Operating Support	
Project Description: NCTD service area - This project funds operating costs for existing fixed route and rail transit service, including rural services.	
Change Reason: Increase funding	
Capacity Status: NCI	Exempt Category: Mass Transit - Transit operating assistance

Est Total Cost: **\$225,520**

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
<i>TransNet</i> - TSI	\$60,151		\$10,915	\$11,549	\$12,045	\$12,560	\$13,082	\$60,151		
<i>TransNet</i> - TSI Carry Over	\$1,000		\$1,000					\$1,000		
FTA 5311	\$2,122		\$424	\$424	\$424	\$424	\$424	\$2,122		
STA	\$4,770		\$4,770					\$4,770		
TDA	\$157,477		\$25,309	\$28,289	\$27,283	\$37,581	\$39,015	\$157,477		
TOTAL	\$225,520		\$42,418	\$40,262	\$39,752	\$50,565	\$52,521	\$225,520		

PROJECT LAST AMENDED 18-00

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
<i>TransNet</i> - TSI	\$59,769		\$10,915	\$11,430	\$11,924	\$12,489	\$13,011	\$59,769		
<i>TransNet</i> - TSI Carry Over	\$1,000		\$1,000					\$1,000		
FTA 5311	\$1,697		\$424	\$424	\$424	\$424		\$1,697		
STA	\$23,852		\$4,770	\$4,770	\$4,770	\$4,770	\$4,770	\$23,852		
TDA	\$123,286		\$29,506	\$30,980	\$31,048	\$31,752		\$123,286		
TOTAL	\$209,604		\$46,615	\$47,604	\$48,166	\$49,435	\$17,781	\$209,604		

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

San Diego Association of Governments

MPO ID: SAN23		RTIP #:18-02
Project Title:	Mid-Coast LRT Corridor Project	PPNO: 7307
Project Description:	On and along existing coastal rail corridor from Old Town Transit Center to Gilman Drive, along I-5 from Gilman Drive to UC San Diego, and along Voigt Drive and Genesee Avenue to Westfield UTC. - construct new 10.9-mile extension of the Trolley Blue Line with stations at Tecolote Road, Clairemont Drive, Balboa Avenue, Nobel Drive, Veterans Administration Medical Center, Pepper Canyon and Voigt Drive on the UC San Diego campus, Executive Drive, and Westfield UTC	RTP PG NO: A-13; B-26 SANDAG ID: 1257001
Change Reason:	Revise funding between fiscal years	

Capacity Status: CI Exempt Category: Non-Exempt

Est Total Cost: \$2,171,201		Open to Traffic: Sep 2021								
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - MC	\$1,127,692	\$331,714	\$117,135	\$172,616	\$191,140	\$68,661	\$246,426	\$11,777	\$53,321	\$1,062,594
TransNet - MC AC	\$0	\$347,930	\$93,353	\$10,038	\$(37,941)	\$(100,000)	\$(313,380)			
TransNet - MC TIFIA Payback	\$(537,484)						\$(537,484)			\$(537,484)
FTA 5307	\$129	\$129						\$129		
FTA 5309 (NS)	\$1,043,380	\$330,000	\$100,000	\$100,000	\$100,000	\$100,000	\$313,380			\$1,043,380
Other Fed -TIFIA	\$537,484				\$537,484					\$537,484
TOTAL	\$2,171,201	\$1,009,773	\$310,488	\$282,654	\$790,683	\$68,661	\$(291,058)	\$11,906	\$53,321	\$2,105,974

* TIFIA loan/payback and FFGA funding are outside of this RTIP cycle; the funding is shown in the last fiscal year in order to demonstrate full funding for the project

PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - MC	\$1,127,692	\$502,375	\$157,447	\$115,250	\$86,373	\$62,734	\$203,513	\$11,777	\$53,321	\$1,062,594
TransNet - MC AC	\$0	\$177,399	\$105,913	\$196,013	\$18,920	\$(498,245)				
TransNet - MC TIFIA Payback	\$(537,484)						\$(537,484)			\$(537,484)
FTA 5307	\$129	\$129						\$129		
FTA 5309 (NS)	\$1,043,380	\$250,000	\$100,000	\$100,000	\$100,000	\$100,000	\$393,380			\$1,043,380
Other Fed -TIFIA	\$537,484					\$537,484				\$537,484
TOTAL	\$2,171,201	\$929,903	\$363,360	\$411,263	\$205,293	\$201,973	\$59,409	\$11,906	\$53,321	\$2,105,974

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

San Diego Association of Governments

MPO ID: SAN36		RTIP #:18-02
Project Title:	Bus/Rail Signal & Communications Equipment	SANDAG ID: 1129200, 1145100, 1144000
Project Description:	Countywide - bid display module, dispatch software, fixed guideway electrification/power distribution projects such as catenary replacement, Feeder Cable, SCADA, DC Breaker Replacement	
Change Reason:	Increase funding	
Capacity Status:NCI		Exempt Category:Mass Transit - Track rehabilitation in existing right of way

Est Total Cost: \$19,534										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - MC	\$1,097	\$497	\$595	\$5						\$1,097
FTA 5307	\$12,607	\$12,607								\$12,607
FTA 5309 (FG)	\$1,112	\$1,112								\$1,112
Local Funds	\$2,353	\$2,353								\$2,353
TDA	\$2,365	\$1,169		\$1,196						\$2,365
TOTAL	\$19,534	\$17,738	\$595	\$1,201						\$19,534

PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - MC	\$1,097	\$497	\$595	\$5						\$1,097
FTA 5307	\$12,363	\$12,363								\$12,363
FTA 5309 (FG)	\$1,112	\$1,112								\$1,112
Local Funds	\$2,353	\$2,353								\$2,353
TDA	\$1,015	\$1,015								\$1,015
TOTAL	\$17,940	\$17,340	\$595	\$5						\$17,940

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

San Diego Association of Governments

MPO ID: SAN40		RTIP #:18-02
Project Title:	Metropolitan Planning	SANDAG ID: 33001, 33201, 33003, 33203, 33216, 34200, 23016
Project Description:	Countywide - ongoing regional transportation planning as well as administrative oversight for various <i>TransNet</i> and FTA-funded programs	
Change Reason:	Increase funding	
Capacity Status:	NCl	Exempt Category: Other - Non construction related activities

Est Total Cost: **\$63,694**

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
<i>TransNet</i> - BPNS	\$542	\$248	\$147	\$147				\$542		
<i>TransNet</i> - MC	\$395	\$395						\$395		
<i>TransNet</i> - SGIP	\$542	\$248	\$147	\$147				\$542		
<i>TransNet</i> - SS	\$540	\$280	\$130	\$130				\$540		
CBI	\$250	\$250						\$250		
FTA 5307	\$49,350	\$24,692	\$4,931	\$4,931	\$4,931	\$4,931	\$4,931	\$49,350		
FTA 5309TOD	\$239	\$239						\$239		
ITS	\$231	\$231						\$231		
Local Funds	\$11,605	\$5,441	\$1,233	\$1,233	\$1,233	\$1,233	\$1,233	\$11,605		
TOTAL	\$63,694	\$32,024	\$6,588	\$6,588	\$6,164	\$6,164	\$6,164	\$63,694		

PROJECT LAST AMENDED 18-00

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
<i>TransNet</i> - BPNS	\$395	\$248	\$147					\$395		
<i>TransNet</i> - MC	\$395	\$395						\$395		
<i>TransNet</i> - SGIP	\$395	\$248	\$147					\$395		
<i>TransNet</i> - SS	\$410	\$280	\$130					\$410		
CBI	\$250	\$250						\$250		
FTA 5307	\$44,753	\$24,692	\$5,015	\$5,015	\$5,015	\$5,015		\$44,753		
FTA 5309TOD	\$239	\$239						\$239		
ITS	\$231	\$231						\$231		
Local Funds	\$9,453	\$5,441	\$1,003	\$1,003	\$1,003	\$1,003		\$9,453		
TOTAL	\$56,521	\$32,024	\$6,442	\$6,018	\$6,018	\$6,018		\$56,521		

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

San Diego Association of Governments

MPO ID: SAN132		RTIP #:18-02
Project Title:	Elvira to Morena Double Track	SANDAG ID: 1146500, 1239811
Project Description:	On coastal rail corridor from Control Point (CP) Elvira near SR 52 to CP Friar near Friars Road - convert 2.6 miles of single-track to double-track and install new signals. Replace 1 mile of double track. Construct new/replacement bridges at MP 260.4, 259.6, 259.1, 258.6, and 257.2. Construct new water/sewer facilities for the City of San Diego between Friars Road and SR 52 - does not add additional transit service	
Change Reason:	Reduce funding	
Capacity Status:NCI Exempt Category:Mass Transit - Track rehabilitation in existing right of way		

Est Total Cost: \$193,760										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - MC	\$42,111	\$20,413	\$12,173	\$3,217	\$6,120	\$187		\$6,098	\$987	\$35,026
TransNet - MC AC	\$0									
CMAQ	\$24,878	\$24,878						\$2,776		\$22,102
FTA 5307	\$3,636	\$3,636						\$2,080		\$1,556
Fed Rail Admin (FRA-PRIIA)	\$9,920	\$9,920						\$6,082		\$3,838
RSTP	\$29,688	\$29,688						\$4,688	\$927	\$24,073
CAP-TRADE	\$61,983	\$61,983								\$61,983
STA	\$520		\$520					\$520		
TCRP	\$4,052	\$4,052								\$4,052
Local Funds	\$16,722	\$15,021	\$1,701							\$16,722
TDA	\$250		\$250							\$250
TOTAL	\$193,760	\$169,591	\$14,644	\$3,217	\$6,120	\$187		\$22,244	\$1,914	\$169,602

PROJECT LAST AMENDED 18-01										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - MC	\$42,111	\$20,413	\$12,173	\$3,217	\$6,120	\$187		\$6,098	\$987	\$35,026
TransNet - MC AC	\$0									
CMAQ	\$24,878	\$24,878						\$2,776		\$22,102
FTA 5307	\$4,191	\$3,636	\$555					\$2,080		\$2,111
Fed Rail Admin (FRA-PRIIA)	\$9,920	\$9,920						\$6,082		\$3,838
RSTP	\$29,688	\$29,688						\$4,688	\$927	\$24,073
CAP-TRADE	\$61,983	\$61,983								\$61,983
STA	\$520		\$520					\$520		
TCRP	\$4,052	\$4,052								\$4,052
Local Funds	\$16,722	\$15,021	\$1,701							\$16,722
TDA	\$389		\$389							\$389
TOTAL	\$194,454	\$169,591	\$15,338	\$3,217	\$6,120	\$187		\$22,244	\$1,914	\$170,296

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

San Diego Metropolitan Transit System

MPO ID: MTS23A	RTIP #:18-02
Project Title: Transit Service Operations	
Project Description: MTS service area - Operating support for Americans with Disabilities Act (ADA) and Paratransit bus service as well as Network Integration funding from TIRCP to create operating plans for new bus routes.	
Change Reason: Add new funding source, Increase funding	
Capacity Status:NCI Exempt Category:Mass Transit - Transit operating assistance	

Est Total Cost: **\$38,256**

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$22,908		\$4,599	\$4,577	\$4,577	\$4,577	\$4,577	\$22,908		
FTA 5311	\$2,393		\$479	\$479	\$479	\$479	\$479	\$2,393		
SB1 - TIRCP	\$250		\$250					\$250		
TDA	\$12,705		\$4,206	\$4,659	\$1,280	\$1,280	\$1,280	\$12,705		
TOTAL	\$38,256		\$9,534	\$9,715	\$6,336	\$6,336	\$6,336	\$38,256		

PROJECT LAST AMENDED 18-00

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$23,014		\$4,603	\$4,603	\$4,603	\$4,603	\$4,603	\$23,014		
FTA 5311	\$2,393		\$479	\$479	\$479	\$479	\$479	\$2,393		
TDA	\$7,695		\$1,547	\$1,537	\$1,537	\$1,537	\$1,537	\$7,695		
TOTAL	\$33,102		\$6,629	\$6,619	\$6,619	\$6,619	\$6,619	\$33,102		

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

San Diego Metropolitan Transit System

MPO ID: MTS28		RTIP #:18-02
Project Title:	Bus & Rail Rolling Stock purchases and Rehabilitations	
Project Description:	MTS service area - Purchase replacement buses, Replace Light Rail Vehicles, Procurement of materials and services for the rehabilitation or retrofit of mechanical components, electrical components, and coach bodies of Light Rail Vehicles and buses. MTS plans to use FY20 funding to purchase 7 40 foot buses in FY20, 43 40 foot buses in FY21, and 26 articulated buses in FY21. The FY20 funding will also go towards the SD100 LRV replacement, in which the 51 SD100 high-floor LRVs will be replaced with new Low-floor LRVs. It will also replace 30 ADA paratransit vehicles, as well as go towards the funding for the New MTS Transit Facility. There are also various state of good repair projects funded in FY20, such as the CPC Substations replacement, and rehabilitation/improvement of the Old Town Transit Center.	
Change Reason:	Add new funding source, Increase funding	
Capacity Status:	NCI	Exempt Category: Mass Transit - Purchase new buses and rail cars to replace existing vehicles or minor expansions of fleet

Est Total Cost: **\$271,287**

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$69,194		\$19,293	\$14,236	\$12,236	\$12,236	\$11,193			\$69,194
FTA 5339	\$24,212		\$5,900	\$4,578	\$4,578	\$4,578	\$4,578			\$24,212
Other State - LCTOP	\$12,252		\$7,452			\$4,800				\$12,252
SB1 - SGR	\$13,500				\$4,500	\$4,500	\$4,500			\$13,500
SB1 - TIRCP	\$19,773			\$19,773						\$19,773
STA	\$79,705		\$29,685	\$9,580	\$16,673	\$16,673	\$7,093			\$79,705
TDA	\$52,651		\$7,457	\$14,002	\$530	\$4,763	\$25,898			\$52,651
TOTAL	\$271,287		\$69,787	\$62,169	\$38,517	\$47,550	\$53,262			\$271,287

PROJECT LAST AMENDED 18-00

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$62,627		\$15,657	\$15,657	\$15,657	\$15,657				\$62,627
FTA 5339	\$15,317		\$3,829	\$3,829	\$3,829	\$3,829				\$15,317
Other State - LCTOP	\$6,000		\$3,000			\$3,000				\$6,000
STA	\$20,625		\$13,725			\$6,900				\$20,625
TDA	\$122,659		\$13,957	\$30,796	\$30,132	\$16,114	\$31,660			\$122,659
TOTAL	\$227,228		\$50,168	\$50,282	\$49,618	\$45,500	\$31,660			\$227,228

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

San Diego Metropolitan Transit System

MPO ID: MTS29	RTIP #:18-02
Project Title: Bus and Fixed Guideways Station Stops and Terminals Project Description: MTS service area - Maintenance, improvements, upgrades, and retrofits of bus and trolley stations and stops throughout the MTS Service Area. FY20 projects include funding for an expansion of the Imperial Avenue transit center, pedestrian enhancements at American Plaza, and other improvements at the Rio vista trolley station. Change Reason: Add new funding source, Increase funding Capacity Status:NCI Exempt Category:Mass Transit - Reconstruction or renovation of transit structures	

Est Total Cost: **\$37,381**

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$1,644	\$1,644								\$1,644
FTA 5309 (Bus)	\$347	\$347								\$347
FTA 5309 (FG)	\$528	\$528								\$528
FTA 5311	\$39	\$39								\$39
Prop 1B Transit Sec Grant Prg	\$1,008	\$1,008								\$1,008
SB1 - TIRCP	\$2,792				\$2,792					\$2,792
STA	\$1,729	\$1,729								\$1,729
Local Funds	\$11,533	\$11,533								\$11,533
TDA	\$17,761	\$10,597	\$1,395	\$2,689	\$3,080					\$17,761
TOTAL	\$37,381	\$27,425	\$1,395	\$2,689	\$5,872					\$37,381

PROJECT LAST AMENDED 18-00

	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$1,644	\$1,644								\$1,644
FTA 5309 (Bus)	\$347	\$347								\$347
FTA 5309 (FG)	\$528	\$528								\$528
FTA 5311	\$39	\$39								\$39
Prop 1B Transit Sec Grant Prg	\$1,008	\$1,008								\$1,008
STA	\$1,729	\$1,729								\$1,729
Local Funds	\$11,533	\$11,533								\$11,533
TDA	\$10,622	\$10,597	\$25							\$10,622
TOTAL	\$27,450	\$27,425	\$25							\$27,450

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

San Diego Metropolitan Transit System

MPO ID: MTS30								RTIP #:18-02		
Project Title:		Bus/Rail Support Facilities and Equipment								
Project Description:		MTS facilities throughout the MTS service area - Projects Include an overhaul and replacement of the MTS fare system, other misc. capital equipment for transit maintenance; design and procurement of materials and services for support equipment such as hoists, fall protections, and building improvements/re-models for various MTS facilities.								
Change Reason:		Increase funding, Revise funding between fiscal years								
Capacity Status:NCI		Exempt Category:Mass Transit - Purchase of office, shop and operating equipment for existing facilities								
Est Total Cost: \$133,930										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
Other State - LCTOP	\$14,400			\$4,800	\$4,800		\$4,800			\$14,400
SB1 - SGR	\$4,500			\$4,500						\$4,500
STA	\$16,673			\$7,093			\$9,580			\$16,673
TDA	\$98,357		\$7,747	\$13,200	\$34,200	\$29,797	\$13,413			\$98,357
TOTAL	\$133,930		\$7,747	\$29,593	\$39,000	\$29,797	\$27,793			\$133,930
PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
Other State - LCTOP	\$6,000			\$3,000	\$3,000					\$6,000
STA	\$13,800			\$6,900	\$6,900					\$13,800
Local Funds	\$6,615		\$6,615							\$6,615
TDA	\$48,026		\$10,496	\$8,547	\$8,929	\$19,829	\$225			\$48,026
TOTAL	\$74,441		\$17,111	\$18,447	\$18,829	\$19,829	\$225			\$74,441

MPO ID: MTS31								RTIP #:18-02		
Project Title:		Rail Electrification and Power								
Project Description:		Along Blue Line Right-Of-Way (ROW) - Programmed projects include Centralized Protection and Control (CPC) Substation Replacement.								
Change Reason:		Add new funding source, Reduce funding								
Capacity Status:NCI		Exempt Category:Mass Transit - Track rehabilitation in existing right of way								
Est Total Cost: \$12,738										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$1,600	\$1,600								\$1,600
SB1 - SGR	\$4,462		\$4,462							\$4,462
STA	\$1,746	\$1,746								\$1,746
TDA	\$4,930	\$930				\$4,000				\$4,930
TOTAL	\$12,738	\$4,276	\$4,462			\$4,000				\$12,738
PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$1,600	\$1,600								\$1,600
Other State - LCTOP	\$3,000						\$3,000			\$3,000
SB1 - SGR	\$3,280		\$3,280							\$3,280
STA	\$2,746	\$1,746					\$1,000			\$2,746
TDA	\$4,448	\$930	\$400			\$3,118				\$4,448
TOTAL	\$15,074	\$4,276	\$3,680			\$3,118	\$4,000			\$15,074

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

San Diego Metropolitan Transit System

MPO ID: MTS32A								RTIP #:18-02		
Project Title: Preventive Maintenance										
Project Description: MTS service area - Maintenance of equipment, rolling stock, and facilities for bus and rail systems										
Change Reason: Increase funding										
Capacity Status:NCI Exempt Category:Mass Transit - Transit operating assistance										

Est Total Cost: \$536,224										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - TSI	\$172,445		\$32,232	\$33,186	\$34,404	\$35,671	\$36,952	\$172,445		
TransNet - TSI Carry Over	\$500		\$500					\$500		
FTA 5307	\$136,241		\$22,102	\$26,774	\$28,774	\$28,774	\$29,816	\$136,241		
FTA 5337	\$154,788		\$33,898	\$30,222	\$30,222	\$30,222	\$30,222	\$154,788		
Local Funds	\$72,250		\$14,000	\$14,000	\$14,500	\$14,750	\$15,000	\$72,250		
TOTAL	\$536,224		\$102,732	\$104,182	\$107,900	\$109,417	\$111,990	\$536,224		

PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - TSI	\$100,238		\$32,232	\$33,390	\$34,616			\$100,238		
TransNet - TSI Carry Over	\$500		\$500					\$500		
FTA 5307	\$128,840		\$25,768	\$25,768	\$25,768	\$25,768	\$25,768	\$128,840		
FTA 5337	\$141,160		\$28,232	\$28,232	\$28,232	\$28,232	\$28,232	\$141,160		
Local Funds	\$67,500		\$13,500	\$13,500	\$13,500	\$13,500	\$13,500	\$67,500		
TOTAL	\$438,238		\$100,232	\$100,890	\$102,116	\$67,500	\$67,500	\$438,238		

MPO ID: MTS33A								RTIP #:18-02		
Project Title: Senior Disabled Program										
Project Description: MTS service area - subsidy for senior and disabled as required by TransNet										
Change Reason: Increase funding										
Capacity Status:NCI Exempt Category:Mass Transit - Transit operating assistance										

Est Total Cost: \$10,547										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - ADA	\$10,492	\$5,918	\$855	\$880	\$913	\$946	\$980	\$10,492		
TransNet - ADA Carryover	\$55	\$36	\$19					\$55		
TOTAL	\$10,547	\$5,954	\$874	\$880	\$913	\$946	\$980	\$10,547		

PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
TransNet - ADA	\$8,577	\$5,918	\$855	\$886	\$918			\$8,577		
TransNet - ADA Carryover	\$55	\$36	\$19					\$55		
TOTAL	\$8,632	\$5,954	\$874	\$886	\$918			\$8,632		

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

San Diego Metropolitan Transit System

MPO ID: MTS34	RTIP #:18-02
Project Title: Bus Signal and Communications Equipment	
Project Description: MTS service area - Projects Include the overhaul and upgrade of the Regional Transit Management system for MTS vehicles. The bus and light rail communication hardware will be replaced, maintained, and upgraded.	
Change Reason: Add new funding source, Increase funding	
Capacity Status:NCI Exempt Category:Mass Transit - Reconstruction or renovation of transit structures	

Est Total Cost: \$52,591										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$3,116	\$3,116								\$3,116
FTA 5309 (Bus)	\$800	\$800								\$800
FTA 5309 (FG)	\$120	\$120								\$120
FTA 5339	\$4,303	\$380	\$3,923							\$4,303
Prop 1B Transit Sec Grant Prg	\$7,782	\$7,782								\$7,782
STA	\$2,446	\$2,446								\$2,446
Local Funds	\$765	\$765								\$765
TDA	\$33,259	\$23,179	\$10,080							\$33,259
TOTAL	\$52,591	\$38,588	\$14,003							\$52,591

PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$3,116	\$3,116								\$3,116
FTA 5309 (Bus)	\$800	\$800								\$800
FTA 5309 (FG)	\$120	\$120								\$120
FTA 5339	\$380	\$380								\$380
Prop 1B Transit Sec Grant Prg	\$7,782	\$7,782								\$7,782
STA	\$2,446	\$2,446								\$2,446
Local Funds	\$765	\$765								\$765
TDA	\$28,526	\$23,179	\$4,868				\$480			\$28,526
TOTAL	\$43,935	\$38,588	\$4,868				\$480			\$43,935

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

San Diego Metropolitan Transit System

MPO ID: MTS35	RTIP #:18-02
Project Title: Fixed Guideway Transitways/Lines	
Project Description: MTS service area - Bus and Rail infrastructure maintenance and upgrades including rail tie replacement, Beyer blvd track and slope repair, Track/hill work at the Enterprise wall. MTS was also awarded TIRCP discretionary funding for double crossovers on the blue line at Beech St, Middletown, and a double tracking at Imperial Avenue on the green line.	
Change Reason: Add new funding source, Increase funding	
Capacity Status:NCI Exempt Category:Mass Transit - Track rehabilitation in existing right of way	

Est Total Cost: \$43,392										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$622	\$622								\$622
Prop 1B - PTMISEA	\$464	\$464								\$464
Prop 1B Transit Sec Grant Prg	\$800	\$800								\$800
SB1 - TIRCP	\$17,283		\$17,283							\$17,283
STA	\$3,065	\$3,065								\$3,065
Local Funds	\$3,000	\$2,000	\$1,000							\$3,000
TDA	\$18,158	\$9,461	\$6,185	\$2,511						\$18,158
TOTAL	\$43,392	\$16,412	\$24,468	\$2,511						\$43,392

PROJECT LAST AMENDED 18-00										
	TOTAL	PRIOR	18/19	19/20	20/21	21/22	22/23	PE	RW	CON
FTA 5307	\$622	\$622								\$622
Prop 1B - PTMISEA	\$464	\$464								\$464
Prop 1B Transit Sec Grant Prg	\$800	\$800								\$800
SB1 - SGR	\$1,272		\$1,272							\$1,272
STA	\$8,965	\$3,065					\$5,900			\$8,965
Local Funds	\$2,000	\$2,000								\$2,000
TDA	\$15,761	\$9,461	\$4,758				\$1,542			\$15,761
TOTAL	\$29,884	\$16,412	\$6,030				\$7,442			\$29,884

**2018 Regional Transportation Improvement Program
Amendment No. 2
San Diego Region (in \$000s)**

RTIP Fund Types

<u>Federal Funding</u>	
BIP/CBI	Border Infrastructure Program/Corridors and Borders Infrastructure Program
CMAQ	Congestion Mitigation and Air Quality
FRA-PRIIA	Federal Railroad Administration Passenger Rail Investment and Improvement Act of 2008
FTA Section 5307	Federal Transit Administration Urbanized Area Formula Program
FTA Section 5309 (Bus)	Federal Transit Administration Discretionary Program
FTA Section 5309 (FG)	Federal Transit Administration Fixed Guideway Modernization Formula Program
FTA Section 5309 (NS)	Federal Transit Administration Discretionary - New Starts Program
FTA Section 5311	Federal Transit Administration Rural Program
FTA Section 5337	Federal Transit Administration State of Good Repair Grant Program
FTA Section 5339	Federal Transit Administration Bus and Bus Facilities Formula Grant Program
ITS	Intelligent Transportation System
RSTP	Regional Surface Transportation Program
TIFIA	Transportation Infrastructure Finance and Innovation Act (Federal Loan Program)
TSGP	Transit Security Grant Program (Federal Discretionary)
CMAQ/RSTP Conversion	Reimbursement of advanced federal funds which have been advanced with local funds in earlier years
<u>State Funding</u>	
PTMISEA	Public Transportation Modernization, Improvement, and Service Enhancement Account (State Prop 1B)
SB1 - SGR	Senate Bill 1 - State Transit Assistance State of Good Repair
SB1 - TIRCP	Senate Bill 1 - Transit and Intercity Rail Program
SB1 - SRA Commuter	Senate Bill 1 - State Rail Assistance Commuter Rail
STA	State Transit Assistance
TIRCP	Transit and Intercity Rail Capital Program
TCRP	Traffic Congestion Relief Program
TSGP	Transit Security Grant Program (State Prop. 1B)
<u>Local Funding</u>	
Local Funds AC	Local Funds - Advanced Construction; mechanism to advance local funds to be reimbursed at a later fiscal year with federal/state funds
TDA	Transportation Development Act
TransNet-ADA	Prop. A Local Transportation Sales Tax - Transit
TransNet-BPNS	Prop. A Extension Local Transportation Sales Tax - Bicycle, Pedestrian and Neighborhood Safety Program
TransNet-MC	Prop. A Extension Local Transportation Sales Tax - Major Corridors
TransNet-MC AC	TransNet - Major Corridors - Advanced Construction; mechanism to advance TransNet funds to be reimbursed at a later fiscal year with federal/state funds
TransNet-SGIP	Prop. A Extension Local Transportation Sales Tax - Regional Smart Growth Incentive Program
TransNet-SS	Prop. A Extension Local Transportation Sales Tax - Senior Services
TransNet-TSI	Prop. A Extension Local Transportation Sales Tax- Transit System Improvements

Legend	Yellow Highlighting indicates a change from the prior amendment
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Table 3a: Revenues

San Diego Association of Governments (SANDAG)

2018 Regional Transportation Improvement Program (in \$000s)

	Prior Years	2018/2019		2019/2020		2020/2021		2021/2022		2022/2023		TOTAL		
		Prior	Current	Prior	Current	Prior	Current	Prior	Current	Prior	Current	Prior	Current	
LOCAL	Sales Tax	\$2,912,668	\$730,615	\$690,302	\$456,238	\$512,038	\$343,339	\$446,370	\$274,400	\$278,572	\$377,532	\$419,288	\$5,265,454	\$5,259,238
	-- TransNet	\$2,912,668	\$730,615	\$690,302	\$456,238	\$512,038	\$343,339	\$446,370	\$274,400	\$278,572	\$377,532	\$419,288	\$5,265,454	\$5,259,238
	Other Local Funds	\$513,506	\$155,967	\$146,359	\$101,983	\$97,713	\$295,671	\$296,901	\$148,714	\$148,944	\$52,487	\$53,720	\$1,268,328	\$1,257,143
	-- County General Funds													
	-- City General Funds	\$364,798	\$116,757	\$107,149	\$90,247	\$85,977	\$47,563	\$48,792	\$24,779	\$25,009	\$25,849	\$27,082	\$669,993	\$658,808
	-- Street Taxes and Developer Fees	\$148,708	\$39,210	\$39,210	\$11,736	\$11,736	\$248,108	\$248,108	\$123,935	\$123,935	\$26,638	\$26,638	\$598,335	\$598,335
	-- RSTP Exchange funds													
Other	\$683,467	\$97,641	\$95,882	\$97,928	\$94,655	\$99,822	\$86,775	\$103,042	\$100,816	\$51,532	\$101,897	\$1,133,279	\$1,163,492	
Local Total	\$4,109,642	\$984,222	\$932,543	\$656,150	\$704,405	\$738,833	\$830,045	\$526,156	\$528,332	\$481,552	\$574,905	\$7,667,061	\$7,679,872	
STATE	State Highway Operations and Protection Program	\$98,382	\$121,521	\$121,521	\$167,210	\$167,210	\$223,358	\$223,358	\$267,164	\$267,164	\$2,877	\$2,877	\$880,512	\$880,512
	SHOPP (Including Augmentation)	\$98,382	\$121,521	\$121,521	\$167,210	\$167,210	\$223,358	\$223,358	\$267,164	\$267,164	\$2,877	\$2,877	\$880,512	\$880,512
	SHOPP Prior													
	State Transportation Improvement Program	\$395,343	\$20,753	\$20,753	\$72,183	\$72,183	\$1,105	\$1,105	\$1,105	\$1,105	\$89,668	\$89,668	\$580,157	\$580,157
	STIP (Including Augmentation)	\$372,958	\$20,753	\$20,753	\$72,183	\$72,183	\$1,105	\$1,105	\$1,105	\$1,105	\$89,668	\$89,668	\$557,772	\$557,772
	STIP Prior	\$22,384											\$22,384	\$22,384
	Proposition 1 A	\$99,698											\$99,698	\$99,698
	Proposition 1 B	\$675,277	\$2,530	\$2,530							\$1,319	\$1,319	\$679,126	\$679,126
	Active Transportation Program	\$20,667	\$22,570	\$22,570	\$20,341	\$20,341	\$782	\$782					\$64,360	\$64,360
	Highway Maintenance (HM)		\$6,311	\$6,311									\$6,311	\$6,311
	Highway Bridge Program (HBP)	\$56,712	\$26,272	\$26,272	\$24,987	\$24,987			\$15,518	\$15,518	\$260,109	\$260,109	\$383,598	\$383,598
	Road Repair and Accountability Act of 2017 (SB1)	\$12,463	\$261,477	\$280,449	\$62,127	\$102,579	\$31,227	\$38,548	\$5,675	\$10,204	\$5,675	\$10,204	\$378,644	\$454,448
	Traffic Congestion Relief Program (TCRP)	\$77,933											\$77,933	\$77,933
	State Transit Assistance (e.g., population/revenue based, Prop 42)	\$117,898	\$22,246	\$40,342	\$15,420	\$22,040	\$15,420	\$19,672	\$15,420	\$19,672	\$15,420	\$19,672	\$201,825	\$239,295
Other	\$91,702	\$7,135	\$11,587	\$7,135	\$8,935	\$7,135	\$8,935	\$7,135	\$8,935	\$7,135	\$8,935	\$127,377	\$139,029	
State Total	\$1,646,075	\$490,814	\$532,335	\$369,403	\$418,275	\$279,027	\$292,400	\$312,017	\$322,598	\$382,204	\$392,785	\$3,479,541	\$3,604,468	
FEDERAL TRANSIT	5307 - Urbanized Area Formula Program	\$638,912	\$71,717	\$71,000	\$71,135	\$70,418	\$71,135	\$70,418	\$71,135	\$70,418	\$71,135	\$70,418	\$994,924	\$991,584
	5309a - Fixed Guideway Modernization	\$97,086											\$97,086	\$97,086
	5309b - New and Small Starts (Capital Investment Grants)	\$353,331	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$393,380	\$313,380	\$1,066,711	\$1,066,711
	5309c - Bus and Bus Related Grants	\$58,636											\$58,636	\$58,636
	5310 - Mobility of Seniors and Individuals with Disabilities	\$3,446											\$3,446	\$3,446
	5311 - Nonurbanized Area Formula Program	\$8,674	\$903	\$903	\$903	\$903	\$903	\$903	\$903	\$903	\$479	\$903	\$12,764	\$13,188
	5337 - State of Good Repair	\$207,504	\$45,569	\$48,914	\$39,828	\$43,173	\$39,828	\$43,173	\$39,828	\$43,173	\$39,828	\$43,173	\$412,385	\$429,109
	5339 - Bus and Bus Facilities Program	\$24,038	\$7,360	\$13,559	\$5,470	\$6,540	\$5,470	\$6,540	\$5,470	\$6,540	\$5,470	\$6,540	\$53,280	\$63,756
	Other	\$50,351											\$50,351	\$50,351
	Federal Transit Total	\$1,441,980	\$225,549	\$234,376	\$217,336	\$221,033	\$217,336	\$221,033	\$217,336	\$221,033	\$510,291	\$434,413	\$2,749,584	\$2,773,869
FEDERAL HIGHWAY	Congestion Mitigation and Air Quality (CMAQ)	\$345,793	\$13,129 *	\$13,129 *	\$15,319 **	\$15,319 **	\$33,807	\$33,807	\$33,794	\$33,794	\$33,794	\$33,794	\$475,635	\$475,635
	Coordinated Border Infrastructure (SAFETEA-LU Sec. 1303)	\$126,997	\$3,350	\$3,350									\$130,347	\$130,347
	GARVEE Bonds (Includes Debt Service Payments)		\$8,118	\$8,118									\$8,118	\$8,118
	Highway Infrastructure Program (HIP)		\$580	\$580									\$57,253	\$57,253
	High Priority Projects (HPP) and Demo	\$56,673											\$27,278	\$27,278
	Highway Safety Improvement Program (HSIP)	\$379	\$7,246	\$7,246	\$13,231	\$13,231	\$3,185	\$3,185	\$3,237	\$3,237			\$49,278	\$49,278
	National Significant Freight & Highway Projects (FASTLANE/INFRA)		\$49,278	\$49,278									\$6,519	\$6,519
	Public Lands Highway		\$3,260	\$3,260	\$3,260	\$3,260							\$607,956	\$607,956
	Surface Transportation Program (Regional)	\$389,499	\$42,591	\$42,591	\$43,985	\$43,985	\$43,970	\$43,970	\$43,955	\$43,955	\$43,955	\$43,955	\$177,603	\$177,603
Other	\$172,169	\$5,425	\$5,425			\$9	\$9					\$172,169	\$172,169	
Federal Highway Total	\$1,091,510	\$132,977	\$132,977	\$75,794	\$75,794	\$80,971	\$80,971	\$80,986	\$80,986	\$77,749	\$77,749	\$1,539,987	\$1,539,987	
FRA	Passenger Rail Investment and Improvement Act of 2008 (PRIIA)	\$26,264											\$26,264	\$26,264
	Other													
Federal Railroad Administration Total	\$26,264												\$26,264	\$26,264
Federal Total	\$2,559,754	\$358,526	\$367,353	\$293,130	\$296,827	\$298,307	\$302,005	\$298,322	\$302,019	\$588,041	\$512,163	\$4,315,835	\$4,340,120	
INNOVATIVE FINANCE	TIFIA (Transportation Infrastructure Finance and Innovation Act)						\$537,484	\$537,484					\$537,484	\$537,484
	Innovative Financing Total						\$537,484	\$537,484					\$537,484	\$537,484
REVENUES TOTAL	\$8,315,470	\$1,833,562	\$1,832,231	\$1,318,683	\$1,419,507	\$1,316,167	\$1,961,934	\$1,673,979	\$1,152,949	\$1,451,796	\$1,479,853	\$15,909,658	\$16,161,945	

* Reflects repayment of Loaned CMAQ apportionment to OCTA of \$20,197

** Reflects repayment of Loaned CMAQ apportionment to CT of \$18,500

Table 3b: Program

San Diego Association of Governments (SANDAG)

2018 Regional Transportation Improvement Program (in \$000s)

Legend
Yellow Highlighting indicates a change from the prior amendment

	Funding Source	Prior Years	2018/2019		2019/2020		2020/2021		2021/2022		2022/2023		TOTAL	
			Prior	Current	Prior	Current	Prior	Current	Prior	Current	Prior	Current	Prior	Current
LOCAL	Sales Tax	\$2,912,668	\$701,557	\$661,245	\$445,904	\$503,417	\$337,851	\$442,331	\$221,623	\$264,094	\$318,432	\$399,202	\$5,108,695	\$5,182,957
	-- TransNet	\$2,912,668	\$701,557	\$661,245	\$445,904	\$503,417	\$337,851	\$442,331	\$221,623	\$264,094	\$318,432	\$399,202	\$5,108,695	\$5,182,957
	Other Local Funds	\$513,506	\$155,967	\$146,359	\$101,983	\$97,713	\$295,671	\$296,901	\$148,714	\$148,944	\$52,487	\$53,720	\$1,268,328	\$1,257,143
	-- City/County General Funds	\$364,798	\$116,757	\$107,149	\$90,247	\$85,977	\$47,563	\$48,792	\$24,779	\$25,009	\$25,849	\$27,082	\$669,993	\$658,808
	-- Street Taxes and Developer Fees	\$148,708	\$39,210	\$39,210	\$11,736	\$11,736	\$248,108	\$248,108	\$123,935	\$123,935	\$26,638	\$26,638	\$598,335	\$598,335
Other	\$683,467	\$97,641	\$95,882	\$97,928	\$94,655	\$99,822	\$86,775	\$103,042	\$100,816	\$51,532	\$101,897	\$1,133,279	\$1,163,492	
	Local Total	\$4,109,642	\$955,165	\$903,486	\$645,815	\$695,784	\$733,344	\$826,006	\$473,378	\$513,854	\$422,452	\$554,820	\$7,510,302	\$7,603,591
STATE	State Highway Operations and Protection Program	\$98,382	\$121,521	\$121,521	\$167,210	\$167,210	\$223,358	\$223,358	\$267,164	\$267,164	\$2,877	\$2,877	\$880,512	\$880,512
	SHOPP (Including Augmentation)	\$98,382	\$121,521	\$121,521	\$167,210	\$167,210	\$223,358	\$223,358	\$267,164	\$267,164	\$2,877	\$2,877	\$880,512	\$880,512
	State Transportation Improvement Program	\$395,343	\$20,753	\$20,753	\$72,183	\$72,183	\$1,105	\$1,105	\$1,105	\$1,105	\$89,668	\$89,668	\$580,157	\$580,157
	STIP (Including Augmentation)	\$372,958	\$20,753	\$20,753	\$72,183	\$72,183	\$1,105	\$1,105	\$1,105	\$1,105	\$89,668	\$89,668	\$557,772	\$557,772
	STIP Prior	\$22,384											\$22,384	\$22,384
	Proposition 1 A	\$99,698											\$99,698	\$99,698
	Proposition 1 B	\$675,277	\$2,530	\$2,530							\$1,319	\$1,319	\$679,126	\$679,126
	Active Transportation Program	\$20,667	\$22,570	\$22,570	\$20,341	\$20,341	\$782	\$782					\$64,360	\$64,360
	Highway Maintenance (HM)		\$6,311	\$6,311									\$6,311	\$6,311
	Highway Bridge Program (HBP)	\$56,712	\$26,272	\$26,272	\$24,987	\$24,987			\$15,518	\$15,518	\$260,109	\$260,109	\$383,598	\$383,598
	Road Repair and Accountability Act of 2017 (SB1)	\$12,463	\$261,477	\$280,449	\$62,127	\$102,579	\$31,227	\$38,548	\$5,675	\$10,204	\$5,675	\$10,204	\$378,644	\$454,448
	Traffic Congestion Relief Program (TCRP)	\$77,933											\$77,933	\$77,933
	State Transit Assistance (STA)(e.g., population/revenue based, Prop 42)	\$117,898	\$22,246	\$40,342	\$15,420	\$22,040	\$15,420	\$19,672	\$15,420	\$19,672	\$15,420	\$19,672	\$201,825	\$239,295
State Emergency Repair Program														
Other	\$91,702	\$7,135	\$11,587	\$7,135	\$8,935	\$7,135	\$8,935	\$7,135	\$8,935	\$7,135	\$8,935	\$127,377	\$139,029	
	State Total	\$1,646,075	\$490,814	\$532,335	\$369,403	\$418,275	\$279,027	\$292,400	\$312,017	\$322,598	\$382,204	\$392,785	\$3,479,541	\$3,604,468
FEDERAL TRANSIT	5307 - Urbanized Area Formula Program	\$638,912	\$71,134	\$71,000	\$71,135	\$70,418	\$71,135	\$70,418	\$71,135	\$70,418	\$30,371	\$70,418	\$953,578	\$991,584
	5309a - Fixed Guideway Modernization	\$97,086											\$97,086	\$97,086
	5309b - New and Small Starts (Capital Investment Grants)	\$353,331	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$393,380	\$313,380	\$1,066,711	\$1,066,711
	5309c - Bus and Bus Related Grants	\$58,636											\$58,636	\$58,636
	5310 - Elderly & Persons with Disabilities Formula Program	\$3,446											\$3,446	\$3,446
	5311 - Nonurbanized Area Formula Program	\$8,674	\$903	\$903	\$903	\$903	\$903	\$903	\$903	\$903	\$479	\$903	\$12,764	\$13,188
	5337 - State of Good Repair	\$207,504	\$39,828	\$48,914	\$39,828	\$43,173	\$39,828	\$43,173	\$39,828	\$43,173	\$28,232	\$43,173	\$395,047	\$429,109
	5339 - Bus and Bus Facilities Program	\$24,038	\$5,470	\$13,559	\$5,470	\$6,540	\$5,470	\$6,540	\$5,470	\$6,540		\$6,540	\$45,920	\$63,756
	Other	\$50,351											\$50,351	\$50,351
		Federal Transit Total	\$1,441,980	\$217,336	\$234,376	\$217,336	\$221,033	\$217,336	\$221,033	\$217,336	\$221,033	\$452,461	\$434,413	\$2,683,540
FEDERAL HIGHWAY	Congestion Mitigation and Air Quality (CMAQ)	\$345,793	\$13,129	\$13,129	\$15,319	\$15,319	\$33,807	\$33,807	\$33,794	\$33,794	\$13,469	\$13,469	\$455,310	\$455,310
	Coordinated Border Infrastructure (SAFETEA-LU Sec. 1303)	\$126,997	\$3,350	\$3,350									\$130,347	\$130,347
	GARVEE Bonds (Includes Debt Service Payments)		\$8,118	\$8,118									\$8,118	\$8,118
	Highway Infrastructure Program (HIP)		\$580	\$580									\$57,253	\$57,253
	High Priority Projects (HPP) and Demo	\$56,673											\$27,278	\$27,278
	Highway Safety Improvement Program (HSIP)	\$379	\$7,246	\$7,246	\$13,231	\$13,231	\$3,185	\$3,185	\$3,237	\$3,237			\$27,278	\$27,278
	Public Lands Highway		\$3,260	\$3,260	\$3,260	\$3,260							\$6,519	\$6,519
	National Significant Freight & Highway Projects (FASTLANE/INFRA)		\$49,278	\$49,278									\$49,278	\$49,278
Surface Transportation Program (Regional)	\$389,499	\$40,318	\$40,318	\$18,265	\$18,265							\$448,082	\$448,082	
Other	\$172,169	\$5,425	\$5,425			\$9	\$9					\$177,603	\$177,603	
	Federal Highway Total	\$1,091,510	\$130,703	\$130,703	\$50,074	\$50,074	\$37,001	\$37,001	\$37,031	\$37,031	\$13,469	\$13,469	\$1,359,788	\$1,359,788
FRA	Passenger Rail Investment and Improvement Act of 2008 (PRIIA)	\$26,264											\$26,264	\$26,264
	Other													
	Federal Railroad Administration Total	\$26,264											\$26,264	\$26,264
	Federal Total	\$2,559,754	\$348,039	\$365,079	\$267,410	\$271,107	\$254,337	\$258,034	\$254,367	\$258,064	\$465,930	\$447,882	\$4,069,592	\$4,159,921
INNOVATIVE FINANCE	TIFIA (Transportation Infrastructure Finance and Innovation Act)						\$537,484	\$537,484					\$537,484	\$537,484
	Innovative Financing Total						\$537,484	\$537,484					\$537,484	\$537,484
	PROGRAM TOTAL	\$8,315,470	\$1,794,018	\$1,800,901	\$1,282,628	\$1,385,166	\$1,266,708	\$1,913,925	\$1,577,247	\$1,094,516	\$1,270,586	\$1,395,486	\$15,570,656	\$15,905,464

*FY23 Local Programming reflects the need to show the TIFIA loan payback in the five-year RTP. Payback will begin in future years.

Table 3c: Revenues versus Program

San Diego Association of Governments (SANDAG)

2018 Regional Transportation Improvement Program (in \$000s)

Legend
 Yellow Highlighting indicates a change from the prior amendment

Funding Source		2018/2019		2019/2020		2020/2021		2021/2022		2022/2023		TOTAL	
		Prior	Current	Prior	Current	Prior	Current	Prior	Current	Prior	Current	Prior	Current
LOCAL	Local Total	\$29,057	\$29,057	\$10,335	\$8,621	\$5,489	\$4,039	\$52,778	\$14,478	\$59,100	\$20,086	\$156,758	\$76,281
	STATE												
STATE	State Highway Operations and Protection Program												
	SHOPP (Including Augmentation)												
	SHOPP Prior												
	State Transportation Improvement Program												
	STIP (Including Augmentation)												
	STIP Prior												
	Proposition 1 A												
	Proposition 1 B												
	Active Transportation Program												
	Highway Maintenance (HM)												
	Highway Bridge Program (HBP)												
	Road Repair and Accountability Act of 2017 (SB1)												
	Traffic Congestion Relief Program (TCRP)												
	State Transit Assistance (STA)(e.g., population/revenue based, Prop 42)												
Other													
State Total													
FEDERAL TRANSIT	5307 - Urbanized Area Formula Program	\$583								\$40,764		\$41,346	
	5309a - Fixed Guideway Modernization												
	5309b - New and Small Starts (Capital Investment Grants)												
	5309c - Bus and Bus Related Grants												
	5310 - Elderly & Persons with Disabilities Formula Program												
	5311 - Nonurbanized Area Formula Program												
	5337 - State of Good Repair	\$5,742								\$11,596		\$17,337	
	5339 - Bus and Bus Facilities Program	\$1,889								\$5,470		\$7,360	
	Other												
Federal Transit Total	\$8,213									\$57,830		\$66,044	
FEDERAL HIGHWAY	Congestion Mitigation and Air Quality (CMAQ)									\$20,325	\$20,325	\$20,325	\$20,325
	Coordinated Border Infrastructure (SAFETEA-LU Sec.1303)												
	GARVEE Bonds (Includes Debt Service Payments)												
	Highway Infrastructure Program (HIP)												
	High Priority Projects (HPP) and Demo												
	Highway Safety Improvement Program (HSIP)												
	National Significant Freight & Highway Projects (FASTLANE/INFRA)												
	Surface Transportation Program (Regional)	\$2,273	\$2,273	\$25,720	\$25,720	\$43,970	\$43,970	\$43,955	\$43,955	\$43,955	\$43,955	\$159,874	\$159,874
Other													
Federal Highway Total	\$2,273	\$2,273	\$25,720	\$25,720	\$43,970	\$43,970	\$43,955	\$43,955	\$64,280	\$64,280	\$180,199	\$180,199	
FRA	Passenger Rail Investment and Improvement Act of 2008 (PRIIA)												
	Other												
	Federal Railroad Administration Total												
	Federal Total	\$10,487	\$2,273	\$25,720	\$25,720	\$43,970	\$43,970	\$43,955	\$43,955	\$122,111	\$64,280	\$246,243	\$180,199
INNOVATIVE FINANCE	TIFIA (Transportation Infrastructure Finance and Innovation Act)												
	Innovative Financing Total												
REVENUES - PROGRAM TOTAL		\$39,544	\$31,331	\$36,055	\$34,341	\$49,459	\$48,009	\$96,733	\$58,433	\$181,210	\$84,366	\$403,001	\$256,481

Federal Requirements Analysis for 2018 RTIP Amendment No. 2

Metropolitan Planning and Transportation Conformity

The U.S. Department of Transportation (U.S. DOT) Metropolitan Planning Regulations¹ and U.S. Environmental Protection Agency (U.S. EPA) Transportation Conformity Regulations² establish six criteria requirements which the RTIP must satisfy. The metropolitan planning regulations require that: (1) the RTIP be financially constrained and (2) make progress toward achieving federal performance targets. The transportation conformity regulations state that the RTIP must: (3) be consistent with San Diego Forward: The Regional Plan (Regional Plan); (4) meet regional emissions tests; (5) include timely implementation of transportation control measures (TCMs); and (6) include inter-agency consultation and public involvement.

The 2018 RTIP meets all six tests required under federal metropolitan planning and transportation conformity regulations. SANDAG made these findings for the 2018 RTIP under the required federal tests on September 28, 2018. On December 17, 2018, Federal Highways and the Federal Transit Administration jointly found that the 2018 RTIP conforms with the provisions of 40 CFR Parts 51 and 93. Amendment No. 2 continues to meet all federal requirements.

Financial Constraint Test

Federal regulations 23 CFR Section 450.326(j) require the 2018 RTIP to be a revenue-constrained document with programmed projects based upon available or committed funding and/or reasonable estimates of future funding. Chapter 4 of the 2018 RTIP discusses in detail the financial capacity analysis of major program areas, including a discussion of available revenues.

Finding: The projects contained within the 2018 RTIP, including Amendment No. 2, are reasonable when considering available funding sources as demonstrated in Tables 3a through 3c, including a comparison from the prior approved version (changes are highlighted in yellow.)

Performance Management Test

Federal regulations 23 CFR Section 450.326(c) require the 2018 RTIP to be designed such that once implemented, it makes progress toward achieving the performance targets established under 450.306(d) and shall include, to the maximum extent practicable, a description of the anticipated effect of the RTIP toward achieving the performance targets identified in the transportation plan, linking investment priorities to those performance targets. Appendix H of the 2018 RTIP provides information on the projects which support safety and transit asset management performance management requirements.

Finding: The projects contained within the 2018 RTIP, including Amendment No. 2, make progress toward achieving the 2018 performance targets for safety established by the Board of Directors through investment in projects with the primary purpose of improving safety, active transportation projects, and safety features provided as part of a larger transportation project.

Finding: The projects contained within the 2018 RTIP, including Amendment No. 2, make progress toward achieving the 2019 performance targets for transit asset management. The program includes investments in

the four key categories for transit asset management: equipment, facilities, infrastructure, and rolling stock.

Consistency with San Diego Forward: The Regional Plan Test

Finding: The 2018 RTIP, through Amendment No. 2, is consistent with San Diego Forward: The Regional Plan adopted in October 2015 (policies, programs, and projects). All projects conform to the scope, cost, and schedule included in the Regional Plan.

Regional Emissions Tests

These findings are based on the regional emissions analyses tests shown in Table 5-2 in Chapter 5 of the 2018 RTIP.

Finding: The regional emissions analyses for the 2018 RTIP are an update to the regional emissions analyses for the Regional Plan.

Finding: The proposed amendment does not reflect a change in the design, concept, or scope of the projects or the conformity analysis years as modeled for the regional emissions analysis of the 2018 RTIP.

Finding: The 2018 RTIP, including Amendment No. 2, remains in conformance with the applicable State Implementation Plan³ (SIP).

Timely Implementation of TCM Test

Finding: The TCMs, established as Transportation Tactics in the 1982 SIP, have been fully implemented and Amendment No. 2 continues to fund the four TCMs, which include: (1) ridesharing; (2) transit improvements; (3) traffic flow improvements; and (4) bicycle facilities and programs.

Inter-Agency Consultation and Public Involvement Test

Finding: The 2018 RTIP complies with all federal and state requirements for public involvement by following the strategies described in Board Policy No. 025: Public Participation Plan Policy. Amendment No. 2 was posted for a 15-day public comment period from March 20, 2019, through April 9, 2019.

Finding: The SANDAG Conformity Working Group (CWG), including members from the San Diego County Air Pollution Control District, Caltrans, California Air Resources Board, SANDAG, U.S. DOT, and U.S. EPA, serve as a forum to meet the federal and state requirements for interagency consultation for the 2018 RTIP. All exempt projects in Amendment No. 2 were submitted to the CWG on February 26, 2019, for its review and members concurred with the exempt categorization.

¹ 23 Code of Federal Regulation (CFR) Part 450, subpart C

² 40 CFR part 93, subpart A

³ 2008 Eight-Hour Ozone Attainment Plan for San Diego County (December 2016)

SANDAG 2018 RTIP

Amendment No. 02

Summary of Changes

Summary of Changes 2018 RTIP - Amendment No. 2

LEAD AGENCY	PROJECT ID	PROJECT TITLE	PCT CHANGE	COST DIFFERENCE	COST BEFORE	COST REVISED	CHANGE NOTES
San Diego Metropolitan Transit System	MTS29	Bus and Fixed Guideways Station Stops and Terminals	36%	\$9,930,800	\$27,448,744	\$37,379,544	Add new funding source, Increase funding
San Diego Metropolitan Transit System	MTS31	Rail Electrification and Power	-15%	-\$2,336,349	\$15,074,000	\$12,737,651	Add new funding source, Reduce funding
San Diego Metropolitan Transit System	MTS32A	Preventive Maintenance	22%	\$97,985,524	\$438,238,000	\$536,223,524	Increase funding
San Diego Metropolitan Transit System	MTS33A	Senior Disabled Program	22%	\$1,915,000	\$8,631,719	\$10,546,719	Increase funding
San Diego Metropolitan Transit System	MTS34	Bus Signal and Communications Equipment	20%	\$8,655,480	\$43,934,488	\$52,589,968	Add new funding source, Increase funding
San Diego Metropolitan Transit System	MTS35	Fixed Guideway Transitways/Lines	45%	\$13,507,600	\$29,884,423	\$43,392,023	Add new funding source, Increase funding
North County Transit District	NCTD03	ADA Paratransit Services	68%	\$22,197,489	\$32,469,881	\$54,667,370	Increase funding
North County Transit District	NCTD05	Bus Revenue Vehicle Purchases & Related Equipment	61%	\$45,375,315	\$74,504,736	\$119,880,051	Other
North County Transit District	NCTD06	Bus/Rail Support Equipment & Facilities	-27%	-\$17,351,540	\$64,140,751	\$46,789,211	Reduce funding
North County Transit District	NCTD16B	Oceanside to Escondido Rail-SPRINTER Debt Service	12%	\$1,290,650	\$10,639,370	\$11,930,020	Reduce funding
North County Transit District	NCTD34	Transit Service Operating Support	34%	\$70,387,999	\$209,603,875	\$279,991,874	Increase funding
San Diego Association of Governments	SAN23	Mid-Coast LRT Corridor Project	0%	\$0	\$2,171,201,000	\$2,171,201,000	Revise funding between fiscal years
San Diego Association of Governments	SAN36	Bus/Rail Signal & Communications Equipment	9%	\$1,593,893	\$17,940,000	\$19,533,893	Increase funding
San Diego Association of Governments	SAN40	Metropolitan Planning	13%	\$7,172,520	\$56,519,632	\$63,692,152	Increase funding
San Diego Association of Governments	SAN132	Elvira to Morena Double Track	0%	-\$694,000	\$194,453,519	\$193,759,519	Reduce funding
Total				\$	3,394,684,138.00	\$	3,654,314,519.00